

## 2024年度河南省教育厅科技成果奖优秀科技论文奖拟授奖项目名单

| 序号 | 项目名称   | 学科名称          | 主要完成单位 | 主要完成人              | 等次 |
|----|--|---------------|--------|--------------------|----|
| 1  | Vertically Aligned Silicon Carbide Nanowires/ Boron Nitride Cellulose Aerogel Networks Enhanced Thermal Conductivity and Electromagnetic Absorbing of Epoxy Composites | 材料科学          | 郑州大学   | 潘朵                 | 壹等 |
| 2  | Multifunctional wearable strain/pressure sensor based on conductive carbon nanotubes /silk nonwoven fabric with high durability and low detection limit                | 材料科学          | 河南科技大学 | 赫玉欣                | 壹等 |
| 3  | Hierarchically Superhydrophobic Stereo-Complex Poly (Lactic Acid) Aerogel for Daytime Radiative Cooling  | 材料科学          | 郑州大学   | 刘宪虎,潘亚敏            | 壹等 |
| 4  | Superhydrophobic conductive rubber band with synergistic dual conductive layer for wide-range sensitive strain sensor  | 材料科学          | 郑州大学   | 孙红玲,卜一冰,刘虎,王靖雯,杨文科 | 壹等 |
| 5  | Self-supported Co/CoO anchored on N-doped carbon composite as bifunctional electrocatalyst for efficient overall water splitting                                       | 化学工程          | 郑州大学   | 赵亚婼                | 壹等 |
| 6  | Investigation of phosphate removal mechanisms by a lanthanum hydroxide adsorbent using p-XRD, FTIR and XPS   | 环境科学技术及资源科学技术 | 河南大学   | 王玉龙,李旭辉            | 壹等 |
| 7  | Interfacial hydrogen bonding-involved electrocatalytic ammonia synthesis on OH-terminated MXene  | 化学            | 郑州大学   | 蔡金孟                | 壹等 |
| 8  | NiCoP nanowire@NiCo-layered double hydroxides nanosheet heterostructure for flexible asymmetric supercapacitors  | 化学工程          | 郑州大学   | 高向阳,张冰             | 壹等 |
| 9  | Solid-state Fluorescence from Carbon Dots Widely Tunable from Blue to Deep Red through Surface Ligand Modulation   | 化学            | 郑州大学   | 艾琳                 | 壹等 |

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|----|--|---------------|---------------|--------------------------|----|
| 10 | Peroxydisulfate catalytic degradation of persistent organic pollutants by engineered catalyst of self-doped iron/carbon nanocomposite derived from waste toner powder              | 环境科学技术及资源科学技术 | 郑州大学          | 王重庆                      | 壹等 |
| 11 | Biomass-derived heterogeneous RGO/Ni/C composite with hollow structure for high-efficiency electromagnetic wave absorption   | 材料科学          | 许昌学院          | 张亚红,李艺,刘浩杰,张璐,张毅,徐春朝,龚春红 | 壹等 |
| 12 | A “Three-Region” Configuration for Enhanced Electrochemical Kinetics and High-Areal Capacity Lithium - Sulfur Batteries  | 材料科学          | 郑州大学          | 张鹏,侯若晗                   | 壹等 |
| 13 | Freezing Tolerant, Highly Sensitive Strain and Pressure Sensors Assembled from Ionic Conductive Hydrogels with Dynamic Cross-Links   | 材料科学          | 郑州大学          | 杨艳宇,王万杰                  | 壹等 |
| 14 | Enhanced removal of methylparaben mediated by cobalt/carbon nanotubes (Co/CNTs) activated peroxydisulfate in chloride-containing water: Reaction kinetics, mechanisms and pathways | 环境科学技术及资源科学技术 | 河南师范大学        | 彭建彪,王喆熙,曹治国              | 壹等 |
| 15 | Enhanced activity of enzyme immobilized on hydrophobic ZIF-8 modified by Ni <sup>2+</sup> ions   | 化学            | 洛阳师范学院        | 杨晓刚,张吉蕊,田旭珂,秦建华,张新娅,马录芳  | 壹等 |
| 16 | Hollow polydopamine spheres with removable manganese oxide nanoparticle caps for tumor microenvironment-responsive drug delivery   | 材料科学          | 郑州大学          | 赵文珊,赵旭波                  | 壹等 |
| 17 | The Rational Design and Atroposelective Synthesis of Axially Chiral C <sub>2</sub> -Arylpyrrole-Derived Amino Alcohols   | 化学            | 郑州大学          | 韩天娇,张正旭,王敏灿,徐立平,梅光建      | 壹等 |
| 18 | Size Effect of Organosulfur and In Situ Formed Oligomers Enables High-Utilization Na - Organosulfur Batteries  | 化学            | 郑州大学          | 唐帅,郭玮                    | 壹等 |
| 19 | Rapid-Fabricated and Recoverable Dual-Network Hydrogel with Inherently Anti-Bacterial Abilities for Potential Adhesive Dressings   | 材料科学          | 河南科技大学,上海交通大学 | 雷昆,王凯奇,孙云龙,郑震,王新灵        | 壹等 |
| 20 | Fabrication, characterizations and performance of a high-efficiency micro-electrolysis filler for isobutyl xanthate (IBX) degradation  | 环境科学技术及资源科学技术 | 郑州大学          | 杨淑珍,苏胜鹏                  | 壹等 |

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|----|---|---------------|----------------------|-----------------|----|
| 21 | Flower-like Co <sub>3</sub> O <sub>4</sub> /C <sub>3</sub> N <sub>5</sub> composite as solid-phase microextraction coating for high-efficiency adsorption and preconcentration of polycyclic aromatic hydrocarbons and polychlorinated biphenyls in water | 化学            | 河南大学                 | 王友梅,卢明华         | 壹等 |
| 22 | Drivers of virtual water flows on regional water scarcity in China  | 环境科学技术及资源科学技术 | 河南大学                 | 蔡北溟             | 壹等 |
| 23 | Research progress on solidification structure of alloys by synchrotron X-ray radiography: A review  | 冶金工程技术        | 郑州轻工业大学              | 王永彪,贾森森,位明光,刘新田 | 壹等 |
| 24 | Designing Bidirectionally Functional Polymer Electrolytes for Stable Solid Lithium Metal Batteries  | 材料科学          | 河南工程学院               | 马强              | 壹等 |
| 25 | Constructing Zn-P charge transfer bridge over ZnFe <sub>2</sub> O <sub>4</sub> -black phosphorus 3D microcavity structure: Efficient photocatalyst design in visible-near-infrared region   | 化学            | 商丘师范学院               | 王立晶             | 壹等 |
| 26 | Tuning the Elasticity of Polymersomes for Brain Tumor Targeting   | 材料科学          | 河南大学                 | 郑蒙,杜秋丽,师冰洋      | 壹等 |
| 27 | Robust double-layered ANF/MXene-PEDOT:PSS Janus films with excellent multi-source driven heating and electromagnetic interference shielding properties  | 材料科学          | 郑州大学                 | 周兵,冯跃战          | 壹等 |
| 28 | P-type conductive BaZrS <sub>3</sub> thin film and its band gap tuning via Ruddlesden-Popper Ba <sub>3</sub> Zr <sub>2</sub> S <sub>7</sub> and titanium alloying   | 凝聚态物理学        | 郑州大学                 | 韩炎兵             | 壹等 |
| 29 | Ionic liquids-SBA-15 hybrid catalysts for highly efficient and solvent-free synthesis of diphenyl carbonate   | 化学工程          | 河南科技学院               | 王松林,张齐英,牛红英     | 壹等 |
| 30 | Di-n-butyl phthalate stress induces changes in the core bacterial community associated with nitrogen conversion during agricultural waste composting  | 环境科学技术及资源科学技术 | 周口师范学院,中国科学院生态环境研究中心 | 王萍,金德才          | 壹等 |
| 31 | Cu(NO <sub>3</sub> ) <sub>2</sub> as efficient electrolyte additive for 4 V class Li metal batteries with ultrahigh stability   | 化学            | 郑州大学                 | 李翔,付永柱          | 壹等 |

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|----|--|---------------|--------|---|----|
| 32 | Migration of heavy metals in the soil-grape system and potential health risk assessment  | 环境科学技术及资源科学技术 | 河南大学   | 王洋洋   | 壹等 |
| 33 | Fabrication of stable multivariate metal-organic frameworks with excellent adsorption performance toward bisphenols from environmental samples   | 化学            | 河南大学   | 田淑芳   | 壹等 |
| 34 | In-situ coating of multifunctional FeCo-bimetal organic framework nanolayers on hematite photoanode for superior oxygen evolution  | 材料科学          | 郑州大学   | 易莎莎   | 壹等 |
| 35 | On-Demand, Highly Tunable, and Selective 5-Hydroxymethylfurfural Hydrogenation to Furan Diols Enabled by Ni and Ni3GaAlloy Catalysts   | 化学工程          | 郑州大学   | 张永胜,Armin Rezayan,王科,王建设,Chunbao Charles, 聂仁峰 | 壹等 |
| 36 | Unsaturated bi-heterometal clusters in metal-vacancy sites of 2D MoS2 for efficient hydrogen evolution   | 化学            | 郑州大学   | 邵功磊,许杰,高莎莎,张旭                                 | 壹等 |
| 37 | A General Electron Donor-Acceptor Complex for Photoactivation of Arenes via Thianthrenation  | 化学            | 郑州大学   | 孙凯,相盼洁  | 壹等 |
| 38 | Plasmonic gold nanorods decorated Ti3C2 MXene quantum dots-interspersed nanosheet for full-spectrum photoelectrochemical water splitting   | 材料科学          | 郑州大学   | 陈旭  | 壹等 |
| 39 | Multifunctional 1,3-benzoxazole-merocyanine-based probe for the ratiometric fluorescence detection of pH/HSO3-/viscosity in mitochondria   | 化学            | 河南理工大学 | 吴伟娜,赵晓雷                                       | 壹等 |
| 40 | Ti3C2Tx MXene-decorated nanoporous polyethylene textile for passive and active personal precision heating  | 材料科学          | 郑州大学   | 王建峰   | 壹等 |
| 41 | Simultaneous manipulation of polarization relaxation and conductivity toward self-repairing reduced graphene oxide based ternary hybrids for efficient electromagnetic wave absorption | 化学            | 河南工业大学 | 张世杰,关春龙                                       | 壹等 |

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|----|--|---------------|--------|---------------------------|----|
| 42 | Integrating benzofuran and heteroradialene into donor-acceptor covalent organic frameworks for photocatalytic construction of multi-substituted olefins  | 化学            | 河南农业大学 | 安万凯,许昕,任运来                | 壹等 |
| 43 | Restriction of Intramolecular Vibration in Aggregation-Induced Emission Luminogens: Applications in Multifunctional Luminescent Metal - Organic Frameworks   | 化学            | 郑州大学   | 刘园园,李恺                    | 壹等 |
| 44 | The organic contaminants degradation in Mn-NRGO and peroxymonosulfate system: The significant synergistic effect between Mn nanoparticles and doped nitrogen                                       | 环境科学技术及资源科学技术 | 河南农业大学 | 马双龙,刘世亮                   | 壹等 |
| 45 | Dual-ionic imidazolium salts to promote synthesis of cyclic carbonates at atmospheric pressure   | 化学            | 河南大学   | 王丽                        | 壹等 |
| 46 | Copper(I)-catalyzed enyne oxidation/cyclopropanation: divergent and enantioselective synthesis of cyclopropanes  | 化学            | 河南农业大学 | 申文波,唐香婷,张婷婷,吕东灿,赵丹,苏同福,孟磊 | 壹等 |
| 47 | A high-spintronic helix metal-organic chain as a high-output triboelectric nanogenerator material for self-powered anticorrosion   | 化学            | 中原工学院  | 邵志超,高可心                   | 壹等 |
| 48 | Highly Anisotropic Second-Order Nonlinear Optical Effects in the Chiral Lead-Free Perovskite Spiral Microplates  | 材料科学          | 河南大学   | 付现伟,焦世龙,李秋叶               | 壹等 |
| 49 | High-performance double "ion-buffering reservoirs" of asymmetric supercapacitors enabled by battery-type hierarchical porous sandwich-like Co <sub>3</sub> O <sub>4</sub> and 3D graphene aerogels | 材料科学          | 安阳工学院  | 来常伟,郭尧,赵会会,宋海香,屈笑笑        | 壹等 |
| 50 | Bismuth pyrochlores with varying Fe/Co ratio for efficient Multi-functional Catalysis: Structure evolution versus Photo- and Electro-catalytic activities  | 化学工程          | 信阳师范大学 | 孙书杰                       | 壹等 |
| 51 | CO <sub>2</sub> -Switchable Phase Separation of Nonaqueous Surfactant-Free Ionic Liquid-Based Microemulsions   | 化学            | 信阳师范大学 | 裴晓燕                       | 壹等 |

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|----|--|---------------|--------|-----------------|----|
| 52 | Real-Time Biosensor Platform Based on Novel Sandwich Graphdiyne for Ultrasensitive Detection of Tumor Marker   | 化学            | 信阳师范大学 | 许婧,刘吟冰          | 壹等 |
| 53 | Switchable aryoylation and diaryoylation of allyl sulfones with aldehydes enabled by decatungstate photocatalysis  | 化学            | 郑州大学   | 乔立鹏,於兵          | 壹等 |
| 54 | A perspective of stepwise utilization of hazardous zinc plant purification residue based on selective alkaline leaching of zinc  | 冶金工程技术        | 郑州大学   | 黄宇坤,彭伟军         | 壹等 |
| 55 | Enhanced output performance of piezoelectric nanogenerators by Tb-modified (BaCa)(ZrTi)O <sub>3</sub> and 3D core/shell structure design with PVDF composite spinning for microenergy harvesting | 材料科学          | 河南大学   | 路浩为,张嘉伟,杨丽雅     | 壹等 |
| 56 | Preparation and characterization of slow-release and water-retention fertilizer based on starch and halloysite   | 材料科学          | 河南工业大学 | 魏宏亮             | 壹等 |
| 57 | A leap by the rise of solid-state electrolytes for Li-air batteries  | 化学工程          | 郑州大学   | 潘科成,李明慧,王伟成,邢硕超 | 壹等 |
| 58 | Recent advances in colorimetric strategies for acetylcholinesterase assay and their applications   | 化学            | 河南大学   | 刘冬梅             | 壹等 |
| 59 | Markedly improved hydrophobicity of cellulose film via a simple one-step aminosilane-assisted ball milling   | 材料科学          | 郑州大学   | 荆梦璠,王亚明         | 壹等 |
| 60 | Melt-stretched poly(vinylidene fluoride)/zinc oxide nanocomposite films with enhanced piezoelectricity by stress concentrations in piezoelectric domains for wearable electronics                | 材料科学          | 郑州大学   | 王震              | 壹等 |
| 61 | Ultrasensitive and visual detection of tetracycline based on dual-recognition units constructed multicolor fluorescent nano-probe  | 环境科学技术及资源科学技术 | 河南理工大学 | 张丽娜             | 壹等 |
| 62 | Self-Assembly of a Bilayer 2D Supramolecular Organic Framework in Water  | 化学            | 郑州大学   | 杨波              | 壹等 |

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|----|--|---------------|-------------------|------------------------|----|
| 63 | Few-layer $\delta$ -MnO <sub>2</sub> nanosheets grown on three-dimensional N-doped hierarchically porous carbon networks for long-life aqueous zinc ion batteries                  | 材料科学          | 华北水利水电大学          | 罗世钧                    | 壹等 |
| 64 | Bimetal-Organic Frameworks from In Situ-Activated NiFe Foam for Highly Efficient Water Splitting   | 化学            | 商丘师范学院            | 陈稳霞                    | 壹等 |
| 65 | A Multifunctional "Halide-Equivalent" Anion Enabling Efficient CsPb(Br/I) <sub>3</sub> Nanocrystals Pure-Red Light-Emitting Diodes with External Quantum Efficiency Exceeding 23%  | 凝聚态物理学        | 郑州大学              | 张继斌                    | 壹等 |
| 66 | Ni(OH) <sub>2</sub> -Co <sub>2</sub> (OH) <sub>3</sub> Cl bilayer nanocomposites supported by Ni foams for binder-free electrodes of high-performance hybrid supercapacitors       | 化学            | 安阳师范学院            | 杜卫民                    | 壹等 |
| 67 | A novel chitosan - vanadium-titanium-magnetite composite as a superior adsorbent for organic dyes in wastewater  | 环境科学技术及资源科学技术 | 郑州大学              | 张伟,兰滢滢,马梦婷,柴森友,左其亭,高雅倩 | 壹等 |
| 68 | One-step preparation of highly viscoelastic, stretchable, antibacterial, biocompatible, wearable, conductive composite hydrogel with extensive adhesion                            | 化学            | 安阳工学院,福建农林大学,北京大学 | 魏静静,王芳,吴慧,张文彬          | 壹等 |
| 69 | Rapid hemostatic chitosan/cellulose composite sponge by alkali/urea method for massive haemorrhage   | 材料科学          | 郑州大学              | 范夏莲,李奕瑾,李娜,万光明,汤克勇     | 壹等 |
| 70 | Bead-like cobalt-nitrogen co-doped carbon nanocage/carbon nanofiber composite: a high-performance oxygen reduction electrocatalyst for zinc-air batteries                          | 材料科学          | 郑州大学              | 赵艺阁                    | 壹等 |
| 71 | Highly efficient resonance energy transfer in g-C <sub>3</sub> N <sub>4</sub> -Ag nanostructure: Proof-of-concept toward sensitive split-type electrochemiluminescence immunoassay | 化学            | 信阳师范大学            | 曹俊涛,付晓龙                | 壹等 |
| 72 | Fabricating a Gel Electrolyte Based on Lignin-Coated Nanosilica to Enhance the Reversibility of Zinc Anodes for Rechargeable Aqueous Zn/MnO <sub>2</sub> Batteries                 | 化学工程          | 郑州大学              | 熊文龙                    | 壹等 |

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|----|---|---------------|--------|-------------------------------|----|
| 73 | Electrospun PVDF/PAN membrane for pressure sensor and sodium-ion battery separator  | 材料科学          | 中原工学院  | 刘忠柱                           | 壹等 |
| 74 | Site-specific C-H chalcogenation of quinoxalin-2(1H)-ones enabled by Selectfluor reagent  | 化学            | 河南工业大学 | 袁金伟,张洋,黄广超,马梦瑶,杨腾宇,杨亮茹,毛璞,屈凌波 | 壹等 |
| 75 | Codoping g-C <sub>3</sub> N <sub>4</sub> with boron and graphene quantum dots: Enhancement of charge transfer for ultrasensitive and selective photoelectrochemical detection of dopamine | 化学            | 河南农业大学 | 郑龙辉                           | 壹等 |
| 76 | Highly selective fluorimetric and colorimetric sensing of mercury(II) by exploiting the self-assembly-induced emission of 4-chlorothiophenol capped copper nanoclusters                   | 化学            | 信阳师范大学 | 王海波                           | 壹等 |
| 77 | Effects of constituent layers and interfaces on the mechanical and tribological properties of metal (Cr, Zr)/ceramic (CrN, ZrN) multilayer systems  | 材料科学          | 中原工学院  | 关晓艳                           | 壹等 |
| 78 | Low-density polyethylene-multi-walled carbon nanotube nanocomposite membranes with enhanced conductivity for highly sensitive vapor sensing   | 材料科学          | 河南工程学院 | 石素宇,许文仲                       | 壹等 |
| 79 | Uncovering the coordination effect on the Ni single-atom catalysts for CO <sub>2</sub> reduction including vacancy defect and non-vacancy defect structures                               | 化学            | 河南大学   | 李园园                           | 壹等 |
| 80 | Rational Design of Heterojunction Interface for Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> Solar Cells to Exceed 12% Efficiency  | 化学            | 许昌学院   | 符俊杰                           | 壹等 |
| 81 | A sulfur-based cyclic denitrification filter for marine recirculating aquaculture systems   | 环境科学技术及资源科学技术 | 河南工业大学 | 何巧冲                           | 壹等 |
| 82 | Ce(III)/Photoassisted Synthesis of Amides from Carboxylic Acids and Isocyanates   | 化学            | 郑州大学   | 李昊聪,陈晓岚                       | 壹等 |



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| 83 | Metal formate framework-assisted solid fluorescent material based on carbonized nanoparticles for the detection of latent fingerprints                             | 化学            | 郑州大学    | 朱倩倩                 | 壹等 |
| 84 | High-Efficiency and Wavelength-Tunable Near-Infrared Emission of Lanthanide Ions Doped Lead-Free Halide Double Perovskite Nanocrystals toward Fluorescence Imaging | 凝聚态物理学        | 河南大学    | 潘根才                 | 壹等 |
| 85 | Sandwich structured iPP/CNTs nanocomposite foams with high electromagnetic interference shielding performance  | 材料科学          | 郑州大学    | 李昆,张晓黎              | 壹等 |
| 86 | Response of organic phosphorus in lake water to environmental factors: A simulative study.   | 环境科学技术及资源科学技术 | 河南大学    | 白秀玲,周云凯,叶文娜,王杰华,李文超 | 壹等 |
| 87 | Nitrogenated holey graphene C <sub>2</sub> N monolayer anodes for lithium- and sodium-ion batteries with high performance  | 凝聚态物理学        | 黄河科技学院  | 吴东海                 | 壹等 |
| 88 | Polymerization-Enhanced Photocatalysis for the Functionalization of C(sp <sup>3</sup> )-H Bonds  | 化学            | 河南工程学院  | 刘琰                  | 壹等 |
| 89 | Lignin as a multi-functional agent for the synthesis of Ag nanoparticles and its application in antibacterial coatings   | 化学工程          | 河南中医药大学 | 李圆圆,李朋伟             | 壹等 |
| 90 | Enhanced adsorption-oxidation performance of PM <sub>10</sub> immobilized onto porous MCM-41 derived from rice husk for H <sub>2</sub> S at room temperature       | 环境科学技术及资源科学技术 | 河南农业大学  | 黄岩,王竞侦              | 壹等 |
| 91 | Mn <sub>3</sub> O <sub>4</sub> nanoparticles anchored on carbon nanotubes as anode material with enhanced lithium storage  | 化学            | 信阳师范大学  | 曹康哲                 | 壹等 |
| 92 | Controlled Synthesis of Highly Active Nonstoichiometric Tin Phosphide/Carbon Composites for Electrocatalysis and Electrochemical Energy Storage Applications       | 材料科学          | 信阳师范大学  | 陈明                  | 壹等 |
| 93 | Thin laminar composite solid electrolyte with high ionic conductivity and mechanical strength towards advanced all-solid-state lithium-sulfur battery              | 化学工程          | 郑州大学    | 武文佳,寇伟杰             | 壹等 |

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|-----|--|---------------|------------|-------------------------------|----|
| 94  | Self-Assembly of a Rare Nanocage-based Fe-MOF toward High Methane Purification Performance   | 化学            | 商丘师范学院     | 张建伟                           | 壹等 |
| 95  | Directly application of waste cooking oil on the flotation of coal gasification fine slag  | 化学工程          | 郑州大学       | 李鹏,滕道光,周国莉,范桂侠                | 壹等 |
| 96  | A clean and efficient approach for recovery of vanadium and tungsten from spent SCR catalyst   | 冶金工程技术        | 郑州大学       | 李猛                            | 壹等 |
| 97  | Sorption mechanisms of diethyl phthalate by nutshell biochar derived at different pyrolysis temperature                                    | 环境科学技术及资源科学技术 | 郑州大学       | 范新会,王晓庆,赵彬,万俊锋,郭笑盈            | 壹等 |
| 98  | Chirality-Dependent Structural Transformation in Chiral 2D Perovskites under High Pressure   | 化学            | 郑州大学       | 陈高松                           | 壹等 |
| 99  | Green synthesis of poly(pyrrole methane)-based adsorbent for efficient removal of chromium(VI) from aqueous solution                       | 环境科学技术及资源科学技术 | 信阳师范大学     | 姬亚军,许飞亚,张盼丽,徐元乙,张改利           | 壹等 |
| 100 | An acid-base responsive linear-cyclic polymer rotaxane molecular shuttle with fluorescence signal output                                   | 化学            | 河南农业大学     | 曹占奇,吴东蒲,李梦真,姜松                | 壹等 |
| 101 | A general method for growth of perovskite single-crystal arrays for high performance photodetectors  | 材料科学          | 郑州大学       | 谷振坤,张懿强,宋延林                   | 壹等 |
| 102 | A novel AIRE-based fluorescent ratiometric probe with endoplasmic reticulum-targeting ability for detection of hypochlorite and bioimaging | 化学            | 焦作师范高等专科学校 | 闫金龙                           | 壹等 |
| 103 | Ecological security evaluation and early warning in the water source area of the Middle Route of South-to-North Water Diversion Project    | 环境科学技术及资源科学技术 | 华北水利水电大学   | 孙垦,何文博,沈玉芳,晏天舒,刘畅,杨珍珍,韩静敏,谢伟生 | 壹等 |

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| 104 | Preparation of $\beta$ -cyclodextrin/graphene oxide and its adsorption properties for methylene blue  | 环境科学技术及资源科学技术 | 河南城建学院, 中国科学院生态环境研究中心, 中国科学院大学 | 杨治广, 刘小珍, 刘雪平, 朱新锋, 白志辉, 余志晟        | 壹等 |
| 105 | Effect of microstructure in mesoporous adsorbents on the adsorption of low concentrations of VOCs: An experimental and simulation study   | 环境科学技术及资源科学技术 | 华北水利水电大学                       | 刘阳钰, 陈晓, 高度, 郝用兴, 仝玉萍, 王玖玥          | 壹等 |
| 106 | Robust Ring-opening Reaction via Asymmetrically Coordinated Fe Single Atoms Scaffolded by Spoke-like Mesoporous Carbon  | 化学            | 安阳师范学院                         | 李智敏                                 | 壹等 |
| 107 | Piezoelectric and thermophysical performances of La <sup>3+</sup> and Ir <sup>4+</sup> co-doped Ba <sub>0.95</sub> Ca <sub>0.05</sub> Ti <sub>0.94</sub> Zr <sub>0.06</sub> O <sub>3</sub> ceramics | 材料科学          | 信阳师范大学                         | 田永尚                                 | 壹等 |
| 108 | NiO <sub>x</sub> for interface and work function engineering in carbon-based all-inorganic perovskite solar cells   | 材料科学          | 河南大学                           | 董琛                                  | 壹等 |
| 109 | Ultrafast visible-light-induced ATRP in aqueous media with carbon quantum dots as the catalyst and its application for 3D printing  | 材料科学          | 郑州大学                           | 史歌, 崔喆, 张晓朦, 付鹏, 刘民英, 乔晓光, 何彦洁, 庞新厂 | 壹等 |
| 110 | Synthesis of Au nanorod-embedded and graphene oxide-wrapped microporous ZIF-8 with high electrocatalytic activity for the sensing of pesticides   | 环境科学技术及资源科学技术 | 信阳师范大学                         | 甘甜                                  | 壹等 |
| 111 | High energy density hybrid supercapacitors derived from novel Ni <sub>3</sub> Se <sub>2</sub> nanowires in situ constructed on porous nickel foam   | 材料科学          | 许昌学院                           | 李伟                                  | 壹等 |
| 112 | Synthesis, crystal structure and antioxidant activity of butylphenol Schiff bases: Experimental and DFT study   | 化学            | 河南中医药大学                        | 邢爱萍, 曾岱, 陈志红                        | 壹等 |

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| 113 | A novel cyclic peptide targeting LAG-3 for cancer immunotherapy by activating antigen-specific CD8+ T cell responses   | 生物学    | 郑州大学     | 翟文杰,周秀曼,王鸿飞,李琬琼,陈冠宇,隋兴华,李国栋,祁元明,高艳锋 | 壹等 |
| 114 | Comparison of bio-hydrogen and bio-methane production performance in continuous two-phase anaerobic fermentation system between co-digestion and digestate recirculation | 农学     | 河南财政金融学院 | 王艳锦                                 | 壹等 |
| 115 | Conservation opportunities on uncontested lands  | 地球科学   | 河南大学     | 谢遵义                                 | 壹等 |
| 116 | Synergistic stabilization of oil in water emulsion with chitin particles and tannic acid   | 食品科学技术 | 郑州轻工业大学  | 望运滔,杨纺                              | 壹等 |
| 117 | Endophytic Bacillus altitudinis WR10 alleviates Cu toxicity in wheat by augmenting reactive oxygen species scavenging and phenylpropanoid biosynthesis                   | 生物学    | 周口师范学院   | 岳宗豪,陈艳娟,陈璨,马克世,田二丽,王莹               | 壹等 |
| 118 | Large-scale discovery of non-conventional peptides in Maize and Arabidopsis through an integrated peptidogenomic pipeline  | 农学     | 河南农业大学   | 王顺喜,张静华,吴刘记                         | 壹等 |
| 119 | Cancer cell-mitochondria hybrid membrane coated Gboxin loaded nanomedicines for glioblastoma treatment   | 生物学    | 河南大学     | 邹艳                                  | 壹等 |
| 120 | Effect of plasma-activated water on the structure and in vitro digestibility of waxy and normal maize starches during heat-moisture treatment                            | 食品科学技术 | 郑州轻工业大学  | 闫溢哲,冯琳琳,史苗苗,崔畅,刘延奇                  | 壹等 |
| 121 | Pickering emulsions synergistic stabilized with konjac glucomannan and xanthan gum/lysozyme nanoparticles: Structure, protection and gastrointestinal digestion          | 食品科学技术 | 信阳师范大学   | 许威                                  | 壹等 |
| 122 | A maize epimerase modulates cell wall synthesis and glycosylation during stomatal morphogenesis  | 生物学    | 河南大学     | 周玉森,郭思义,宋纯鹏                         | 壹等 |
| 123 | Physicochemical properties and structure of modified potato starch granules and their complex with tea polyphenols   | 食品科学技术 | 河南工业大学   | 李华,赵贝贝                              | 壹等 |

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| 124 | Influence of three types of freezing methods on physicochemical properties and digestibility of starch in frozen unfermented dough               | 食品科学技术 | 河南农业大学        | 杨勇,郑帅帅,李真,潘治利,黄忠民,赵建中,艾志录(通讯作者) | 壹等 |
| 125 | Steam explosion pretreatment of <i>Achyranthis bidentatae</i> radix: Modified polysaccharide and its antioxidant activities                      | 农学     | 河南科技大学        | 易军鹏                             | 壹等 |
| 126 | iCysMod: an integrative database for protein cysteine modifications in eukaryotes  | 生物学    | 郑州大学          | 王盘琴,刘泽先,程涵,王振龙                  | 壹等 |
| 127 | A new estimation of carbon emissions from land use and land cover change in China over the past 300 years  | 地球科学   | 河南大学          | 杨帆,何凡能,李士成,李美娇,吴朋飞              | 壹等 |
| 128 | Physicochemical properties and gluten structures of frozen steamed bread dough under freeze - thaw treatment affected by gamma-polyglutamic acid | 食品科学技术 | 河南工业大学        | 关二旗,吴坤                          | 壹等 |
| 129 | CycC1;1 - WRKY75 complex-mediated transcriptional regulation of SOS1 controls salt stress tolerance in <i>Arabidopsis</i>                        | 生物学    | 河南大学          | 刘文成                             | 壹等 |
| 130 | First report of antifungal activity conferred by non-conventional peptides   | 农学     | 河南农业大学        | 田磊,陈雪艳,张钰倩                      | 壹等 |
| 131 | The physiological response of photosynthesis to nitrogen deficiency  | 农学     | 河南农业大学,青島农业大学 | 母小焕,陈延玲                         | 壹等 |
| 132 | Impact of long-term storage on multi-scale structures and physicochemical properties of starch isolated from rice grains                         | 食品科学技术 | 郑州轻工业大学       | 王宏伟,王睿,刘兴丽,张艳艳,张华               | 壹等 |
| 133 | Near infrared-activatable biomimetic nanogels enabling deep tumor drug penetration inhibit orthotopic glioblastoma                               | 生物学    | 河南大学          | 张东亚                             | 壹等 |
| 134 | DNA methylation is involved in sexual differentiation and sex chromosome evolution in the dioecious plant garden asparagus                       | 农学     | 河南师范大学        | 李书粉,张玉兰,高武军                     | 壹等 |
| 135 | Global crotonylatome and GWAS revealed a TaSRT1-TaPGK model regulating wheat cold tolerance through mediating pyruvate                           | 农学     | 河南农业大学        | 张宁,陈锋                           | 壹等 |

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| 136 | Effects of the non-covalent interactions between polyphenols and proteins on the formations of the heterocyclic amines in dry heated soybean protein isolate | 食品科学技术 | 河南工业大学               | 陈阳,席俊                | 壹等 |
| 137 | A critical review of key odorants in green tea: Identification and biochemical formation pathway   | 食品科学技术 | 信阳农林学院               | 尹鹏,孔亚帅,王晶晶,郭桂义       | 壹等 |
| 138 | A HST1-like gene controls tiller angle through regulating endogenous auxin in common wheat   | 农学     | 河南农业大学               | 赵磊,董中东               | 壹等 |
| 139 | IGFBP5 is an ROR1 ligand promoting glioblastoma invasion via ROR1/HER2-CREB signaling axis   | 生物学    | 河南大学                 | 尹金龙                  | 壹等 |
| 140 | The metabolic process of methane production by combined fermentation of coal and corn straw  | 地球科学   | 河南理工大学               | 郭红玉,张泓潞              | 壹等 |
| 141 | Interactions between wheat globulin and gluten under alkali or salt condition and its effects on noodle dough rheology and end quality                       | 食品科学技术 | 河南工业大学               | 张丽丽,李萌萌,刘远晓          | 壹等 |
| 142 | Coupling coordination degree of production, living and ecological spaces and its influencing factors in the Yellow River Basin ( 黄河流域三生空间耦合协调度时空格局与影响因素分析 )  | 地球科学   | 河南大学,中国科学院地理科学与资源研究所 | 李江苏,孙威,李明月,孟琳琳       | 壹等 |
| 143 | Formation mechanism of complex coacervation of chayote (Sechium edule) pectin-sodium caseinate in aqueous solution   | 食品科学技术 | 南阳理工学院               | 课净璇,常雨,聂晨阳,杨瑞,马婕,赵庭行 | 壹等 |
| 144 | Determination of mechanical and microstructure properties of paste backfills to avoid to overburden failure  | 地球科学   | 河南城建学院               | 刘佳维                  | 壹等 |
| 145 | The effects of TPT and dietary quercetin on growth, hepatic oxidative damage and apoptosis in zebrafish  | 水产学    | 河南科技大学               | 张春暖,蒋冬雪,王军辉,齐茜       | 壹等 |
| 146 | A natural promoter variation of SlBBX31 confers enhanced cold tolerance during tomato domestication  | 农学     | 河南大学                 | 祝英方,许睿,焦志鑫           | 壹等 |

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| 147 | Image similarity-based gap filling method can effectively enrich surface water mapping information   | 地球科学   | 华北水利水电大学        | 黄文静,王富强,唐磊          | 壹等 |
| 148 | Multi-scale deterioration of physical and mechanical properties of argillaceous siltstone under cyclic wetting-drying of Yangtze River water   | 地球科学   | 郑州大学,中国地质大学(武汉) | 姚文敏,李长冬,柯琪睿,范一博,李炳辰 | 壹等 |
| 149 | Ecohydrological decoupling of water storage and vegetation attributed to China's large-scale ecological restoration programs   | 地球科学   | 河南大学            | 曹艳萍                 | 壹等 |
| 150 | Efficient expression of novel glutamate decarboxylases and high level production of $\gamma$ -aminobutyric acid catalyzed by engineered <i>Escherichia coli</i>                      | 生物化学   | 南阳师范学院          | 史红玲,姚伦广             | 壹等 |
| 151 | Groundwater recharge mechanisms on the Loess Plateau of China: New evidence for the significance of village ponds  | 地球科学   | 平顶山学院           | 程立平,司炳成,王亚萍,刘文兆     | 壹等 |
| 152 | Free ISG15 inhibits Pseudorabies virus infection by positively regulating type I IFN signaling   | 生物学    | 河南农业大学          | 刘慧敏,陈陆,常洪涛          | 壹等 |
| 153 | A contrast of Pb(II), Cd(II), and Cu(II) toxicities to <i>Aspergillus niger</i> through biochemical, morphological, and genetic investigations                                       | 生物学    | 河南科技大学          | 张琳                  | 壹等 |
| 154 | Evolution of potential evapotranspiration and its sensitivity to climate change based on the Thornthwaite, Hargreaves, and Penman-Monteith equation in environmental sensitive areas | 地球科学   | 河南大学            | 李阳,秦耀辰              | 壹等 |
| 155 | Resistance of multidrug resistant <i>Escherichia coli</i> to environmental nanoscale TiO <sub>2</sub> and ZnO  | 生物学    | 华北水利水电大学        | 袁伟                  | 壹等 |
| 156 | Transcriptome analysis reveals potential function of long non-coding RNAs in 20-hydroxyecdysone regulated autophagy in <i>Bombyx mori</i> .  | 生物学    | 南阳师范学院          | 乔惠丽,阚云超,王远卓,杨娟娟     | 壹等 |
| 157 | Effects of super absorbent polymer on crop yield, water productivity and soil properties: A global meta-analysis   | 农学     | 河南科技学院          | 郑会芳,梅沛沛,王文定,欧行奇     | 壹等 |
| 158 | Comparison and mechanism analysis of the changes in viscoelasticity and texture of fresh noodles induced by wheat flour lipids   | 食品科学技术 | 河南工业大学          | 张庭静,杨玉玲             | 壹等 |

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| 159 | The basic helix-loop-helix transcription factor, OsPIL15, regulates grain size via directly targeting a purine permease gene OsPUP7 in rice               | 农学     | 河南农业大学  | 季新,杜彦修,李飞,孙红正,张静,彭廷,辛泽毓,赵全志   | 壹等 |
| 160 | CD44 connects autophagy decline and ageing in the vascular endothelium  | 生物学    | 河南工业大学  | 张璐,杨培长,陈靖轩,陈志强,刘志辉,冯高青,沙芳芳,李子瑞,许早一,黄亚婷,师小童,李雪飏,崔佳田,张晨依,范沛,崔柳青,沈云鹏,周广舟,景红娟,马锦委 | 壹等 |
| 161 | Structural Analyses of a Dominant Cryptosporidium parvum Epitope Presented by H-2Kb Offer New Options To Combat Cryptosporidiosis                         | 生物学    | 周口师范学院  | 樊淑华,王永立   | 壹等 |
| 162 | The effects of modified quinoa protein emulsion as fat substitutes in frankfurters  | 食品科学技术 | 河南科技学院  | 赵圣明,马汉军   | 壹等 |
| 163 | Genome-wide identification and expression profile of HD-ZIP genes in physic nut and functional analysis of the JcHDZ16 gene in rice                       | 生物学    | 周口师范学院  | 唐跃辉,王健,包欣欣  | 壹等 |
| 164 | A methylene blue and Ag <sup>+</sup> ratiometric electrochemical aptasensor based on Au@Pt/Fe-N-C signal amplification strategy for zearalenone detection | 食品科学技术 | 河南工业大学  | 索志光,卫敏  | 壹等 |
| 165 | Review on mechanisms and structure-activity relationship of hypoglycemic effects of polysaccharides from natural resources                                | 食品科学技术 | 郑州轻工业大学 | 冀晓龙,郭建行,曹腾正,张婷婷   | 壹等 |
| 166 | Folic acid delays postharvest quality deterioration of table grape by regulating cell wall metabolism-associated hub WRKY31 transcription factor          | 农学     | 河南科技大学  | 裴茂松   | 壹等 |
| 167 | Ecological stoichiometry drives the evolution of soil nematode life history traits  | 生物学    | 郑州大学    | 薛夏  | 壹等 |



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| 168 | Revealing the scale- and location-specific relationship between soil organic carbon and environmental factors in China's north-south transition zone            | 地球科学    | 河南大学   | 张俊华,朱连奇            | 壹等 |
| 169 | Transcription factors NtHD9 and NtHD12 control long glandular trichome formation via jasmonate signaling  | 农学      | 河南农业大学 | 张洪映,徐寒池,徐梦晓,王召军,崔红 | 壹等 |
| 170 | A SNP-based GWAS and functional haplotype-based GWAS of flag leaf-related traits and their influence on the yield of bread wheat ( <i>Triticum aestivum</i> L.) | 农学      | 河南农业大学 | 陈树林                | 壹等 |
| 171 | A wearable gloved sensor based on fluorescent Ag nanoparticles and europium complexes for visualized assessment of tetracycline in food samples                 | 食品科学技术  | 河南理工大学 | 徐君                 | 壹等 |
| 172 | Inhibition of USP14 influences alphaherpesvirus proliferation by degrading viral VP16 protein via ER stress triggered selective autophagy                       | 畜牧、兽医科学 | 河南农业大学 | 明胜利,曾磊,王江,褚贝贝      | 壹等 |
| 173 | Revisiting maize Brittle endosperm-2 reveals new insights in BETL development and starchy endosperm filling   | 生物学     | 河南农业大学 | 陈洪宇,王桂凤            | 壹等 |
| 174 | Monitoring of trace aquatic sulfonamides through hollow zinc-nitrogen-carbon electrocatalysts anchored on MXene architectures                                   | 食品科学技术  | 信阳师范大学 | 孙俊永                | 壹等 |
| 175 | The roles of microRNAs in regulating root formation and growth in plants  | 农学      | 河南农业大学 | 闫筱筱,刘向阳,赵铭钦        | 壹等 |
| 176 | Porcine $\beta$ -defensin-2 alleviates aflatoxin B1 induced oxidative stress and intestinal mucosal injury via ROS-Erk1/2 signaling pathway                     | 畜牧、兽医科学 | 河南农业大学 | 金鑫                 | 壹等 |
| 177 | Interaction between TaNOX7 and TaCDPK13 Contributes to Plant Fertility and Drought Tolerance by Regulating ROS Production                                       | 生物学     | 周口师范学院 | 胡春红                | 壹等 |
| 178 | Metabolic and transcriptomic analyses reveal different metabolite biosynthesis profiles between leaf buds and mature leaves in <i>Ziziphus jujuba</i> mill      | 林学      | 洛阳师范学院 | 李世鹏                | 壹等 |

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| 179 | Tradeoffs in non-native plant herbivore defenses enhance performance  | 生物学    | 河南大学          | 孙晓,孙玉梅,曹雪瑶,翟新丛,丁建清                         | 壹等 |
| 180 | Genome-wide identification of xylan glucuronosyltransferase family in cotton and function characterization of GhGUX5 in regulating Verticillium wilt resistance | 农学     | 河南科技学院        | 张蕾,张明霞,胡海燕                                 | 壹等 |
| 181 | Engineering $\beta$ -agarase Aga0917 from <i>Pseudoalteromonas fuliginea</i> YTW1-15-1 to Improve the Thermostability and Enzyme Activity                       | 食品科学技术 | 新乡医学院         | 李涛,崔宁,樊纪武,刘鑫琦,关建义,张文博,李阳,高启禹,刘逸寒,王雷,郭长江,王燕 | 壹等 |
| 182 | Understanding the influence of fluctuated low-temperature combined with high-humidity thawing on gelling properties of pork myofibrillar proteins               | 食品科学技术 | 河南科技学院        | 朱明明,李慧杰,邢祎                                 | 壹等 |
| 183 | Biochemical and molecular impacts of glyphosate-based herbicide on the gills of common carp   | 生物学    | 河南师范大学        | 马军国,朱婧怡,王婉莹,李效宇                            | 壹等 |
| 184 | Screening and transcriptomic analysis of the ethanol-tolerant mutant <i>Saccharomyces cerevisiae</i> YN81 for high-gravity brewing                              | 食品科学技术 | 河南科技学院        | 杨天佑,张士双,李林波,田静,李旭,潘玉茹                      | 壹等 |
| 185 | L-type lectin receptor-like kinase OsCORK1 as an important negative regulator confers copper stress tolerance in rice   | 农学     | 河南农业大学        | 杜长青,王珂,李琄,杨照岩,陈聪                           | 壹等 |
| 186 | Effect of boiling and steaming on the surface tackiness of frozen cooked noodles  | 食品科学技术 | 河南工业大学        | 王远辉,张亚茹,许飞,张依琳                             | 壹等 |
| 187 | Fluxapyroxad Resistance Mechanisms in <i>Sclerotinia sclerotiorum</i>   | 农学     | 河南科技学院        | 王彦芬,陆宁海                                    | 壹等 |
| 188 | Modification of sweet potato ( <i>Ipomoea batatas</i> Lam.) residues soluble dietary fiber following twin-screw extrusion                                       | 食品科学技术 | 河南工业大学        | 乔汉楨,王金荣                                    | 壹等 |
| 189 | ICEGpa1804, a Novel Integrative and Conjugative Element carrying eight resistance genes, Identified in <i>Glaesserella parasuis</i>                             | 农学     | 河南科技学院,河南农业大学 | 孙华润,易开放,吴华                                 | 壹等 |

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| 190 | Wheat TaSnRK2.10 phosphorylates TaERD15 and TaENO1 and confers drought tolerance when overexpressed in rice  | 农学      | 河南农业大学         | 张艳菲                             | 壹等 |
| 191 | Hydro-geomorphological characteristics in response to the water-sediment regulation scheme of the Xiaolangdi Dam in the lower Yellow River                               | 地球科学    | 河南大学           | 赵清贺                             | 壹等 |
| 192 | Genome-wide identification of KNOX transcription factors in cotton and the role of GhKNOX4-A and GhKNOX22-D in response to salt and drought stress                       | 农学      | 河南科技学院         | 孙润润,秦腾飞,王园园,郭新磊,孙家良,刘用生,王清连,张宝红 | 壹等 |
| 193 | Functional analysis of SIGSTE12 in pyrethroid and organophosphate resistance in Spodoptera litura  | 农学      | 河南科技学院         | 李冬植                             | 壹等 |
| 194 | Application of Fractals to Evaluate Fractures of Rock Due to Mining  | 地球科学    | 许昌学院           | 杨滨滨                             | 壹等 |
| 195 | Immunomodulatory effects of polysaccharides from edible fungus: a  | 食品科学技术  | 黄河科技学院         | 尹震花                             | 壹等 |
| 196 | The TuMYB46L-TuACO3 module regulates ethylene biosynthesis in einkorn wheat defense to powdery mildew  | 农学      | 河南农业大学         | 郑宏远,王道文                         | 壹等 |
| 197 | Serum proteomics identify biomarkers associated with the pathogenesis of idiopathic pulmonary fibrosis   | 生物学     | 河南师范大学         | 王兰,李中正,余国营                      | 壹等 |
| 198 | Sulfur enhances cadmium bioaccumulation in Cichorium intybus by altering soil properties, heavy metal availability and microbial community in contaminated alkaline soil | 农学      | 河南农业大学         | 柳海涛,姜桂英,张静静,杜鹏强,李烜楨             | 壹等 |
| 199 | Inhibition of Netosis with PAD Inhibitor Attenuates Endotoxin Shock Induced Systemic Inflammation  | 生物学     | 河南大学           | 姚焕玲,曹国洁,王彦明                     | 壹等 |
| 200 | Self-Rectifiable and Hypoxia-Assisted Chemo-Photodynamic Nanoinhibitor for Synergistic Cancer Therapy  | 畜牧、兽医科学 | 河南农业大学,河南省人民医院 | 王亚楠,霍健,李爽,黄冉,范道朋,程航航,何华         | 壹等 |
| 201 | QTLs for constitutive aerenchyma from Zea nicaraguensis improve tolerance of maize to root-zone oxygen deficiency  | 农学      | 河南农业大学         | 巩方平,王伟                          | 壹等 |

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| 202 | Enhancing enzymatic hydrolysis of corn stover by twin-screw extrusion pretreatment   | 农学     | 河南工业大学                | 王子朝                   | 壹等 |
| 203 | Physical-chemical, water distribution and protein conformation of reduced-fat frankfurters with <i>Artemisia sphaerocephala</i> Krasch gum to substitute pork back fat           | 食品科学技术 | 河南科技学院                | 赵岩岩,张晟凯               | 壹等 |
| 204 | A <i>Rehmannia glutinosa</i> cinnamate 4-hydroxylase promotes phenolic accumulation and enhances tolerance to oxidative stress   | 生物学    | 河南工业大学                | 杨艳会                   | 壹等 |
| 205 | Distributed Onshore Wind Farm Siting Using Intelligent Optimization Algorithm Based on Spatial and Temporal Variability of Wind Energy   | 地球科学   | 河南大学                  | 高扬,马绍休,王涛,苗长虹         | 壹等 |
| 206 | Characteristic and effect analysis of protein and peptide in Cantonese cured meat processing   | 食品科学技术 | 河南大学                  | 曲直,冯椿茜,李瑞玲,刘楠,郑善清     | 壹等 |
| 207 | Seed-borne endophytic <i>Bacillus velezensis</i> LHSB1 mediate the biocontrol of peanut stem rot caused by <i>Sclerotium rolfsii</i>   | 食品科学技术 | 河南工业大学                | 陈亮,吴亚东,崇兴雨,辛秋华,王殿轩,卞科 | 壹等 |
| 208 | Comparative transcriptome analysis of male and female flowers in <i>Spinacia oleracea</i> L  | 农学     | 河南师范大学                | 李宁,孟自伟,陶敏杰,王月园,邓传良    | 壹等 |
| 209 | Endogenous alpha-amylase explains the different pasting and rheological properties of wet and dry milled glutinous rice flour  | 食品科学技术 | 河南牧业经济学院,江南大学         | 张煌,吴凤凤,徐丹,徐学明         | 壹等 |
| 210 | Cooperative effects of slight acidic electrolyzed water combined with calcium sources on tissue calcium content, quality attributes, and bioactive compounds of 'Jiancui' jujube | 食品科学技术 | 郑州轻工业大学,好想你健康食品股份有限公司 | 李小娟,支欢欢,李萌,刘琦琦,徐娟,董宇  | 壹等 |
| 211 | Effects of <i>Lactobacillus plantarum</i> on the Fermentation Profile and Microbiological Composition of Wheat Fermented Silage Under the Freezing and Thawing Low Temperatures  | 农学     | 郑州大学                  | 张森,王磊,吴国芳             | 壹等 |
| 212 | A new indicator for dividing sedimentary rhythms in alluvial deposits: A pollen-based method   | 地球科学   | 河南大学                  | 刘德新                   | 壹等 |

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| 213 | Mapping the northern limit of double cropping using a phenology-based algorithm and Google Earth Engine  | 地球科学     | 河南大学         | 郭研,夏浩铭   | 壹等 |
| 214 | RNA pseudouridine modification in plants   | 生物学      | 河南大学         | 牛艳丽  | 壹等 |
| 215 | Interactions between 7S/11S soybean globulins and wheat proteins during dough making   | 食品科学技术   | 许昌学院         | 高雪丽,李光辉  | 壹等 |
| 216 | Ablation of Gap Junction Protein Improves the Efficiency of Nanozyme-Mediated Catalytic/Starvation/Mild Temperature Photothermal Therapy                             | 基础医学     | 郑州大学         | 李永娟,张宇,董娅,Ozioma Udochukwu Akakuru,姚晓晗,易金梦,李鑫炎,王琳琳,娄筱寒,朱保玉,范克龙,秦志海 | 壹等 |
| 217 | Roles of cancer-associated fibroblasts (CAFs) in anti-PD-1/PD-L1 immunotherapy for solid cancers   | 临床医学     | 郑州大学         | 张艳   | 壹等 |
| 218 | Long-term exposure to ambient air pollution attenuated the association of physical activity with metabolic syndrome in rural Chinese adults: A cross-sectional study | 预防医学与卫生学 | 郑州大学         | 侯建,刘晓田,屠润琪,董小康,翟智涵,霍文倩,王重建   | 壹等 |
| 219 | Targeting cullin neddylation for cancer and fibrotic diseases  | 基础医学     | 河南中医药大学,郑州大学 | 何张旭,杨伟光,旦增央宗,高歌,张倩,马立英   | 壹等 |
| 220 | Quantitative proteomic analysis of the liver reveals antidepressant potential protein targets of Sinisan in a mouse CUMS model of                                    | 中医学与中药学  | 河南中医药大学      | 汪保英  | 壹等 |
| 221 | A dual-model “on-super off” photoelectrochemical/ratiometric electrochemical biosensor for ultrasensitive and accurate detection of microRNA-224                     | 预防医学与卫生学 | 郑州大学         | 杨瑞英,刘慧敏,刘利娥  | 壹等 |
| 222 | Injectable, adhesive, self-healing and conductive hydrogels based on MXene nanosheets for spinal cord injury repair  | 基础医学     | 郑州大学         | 于秋宁,王少驰,赵言腾  | 壹等 |

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| 223 | Silica particles disorganize the polarization of pulmonary macrophages in mice  | 预防医学与卫生学 | 郑州大学  | 赵有亮,暴磊,王迪,李一平,曲雅倩,丁明翠,姚武                     | 壹等 |
| 224 | A near-infrared AIE probe and its applications for specific in vitro and in vivo two-photon imaging of lipid droplets   | 基础医学     | 郑州大学  | 苏会芳  | 壹等 |
| 225 | Effects of smoking on inflammatory markers in a healthy population as analyzed via the gut microbiota   | 基础医学     | 郑州大学  | 丁素英  | 壹等 |
| 226 | In situ triggering antitumor efficacy of alcohol abuse drug disulfiram through Cu-based metal organic framework nanoparticle  | 基础医学     | 郑州大学  | 侯琳   | 壹等 |
| 227 | TRIM3 facilitates estrogen signaling and modulates breast cancer cell progression   | 基础医学     | 新乡医学院 | 庄婷,李欣,张辰杪                                    | 壹等 |
| 228 | Implementation and Application of Telemedicine in China: Cross-Sectional Study  | 预防医学与卫生学 | 郑州大学  | 崔芳芳,马倩倩,何贤英,赵杰,陈保站,孙东旭,曹明波,王振博               | 壹等 |
| 229 | The consequences of cyberbullying and traditional bullying victimization among adolescents: Gender differences in psychological symptoms, self-harm and suicidality | 预防医学与卫生学 | 郑州大学  | 孙长青,张菁,杨斌,王连珂,徐飞,陈加军,王博,孙楠,于士伟,张怡铭,朱钰睿       | 壹等 |
| 230 | Extracellular vesicle-transmitted miR-671-5p alleviates lung inflammation and injury by regulating the AAK1/NF-kB axis  | 基础医学     | 新乡医学院 | 连杰   | 壹等 |
| 231 | Relationship between unexplained recurrent pregnancy loss and 5,10-methylenetetrahydrofolatereductase) polymorphisms  | 临床医学     | 郑州大学  | 许雅娟,班彦杰,冉利敏,余艳茹,翟闪闪,孙宗宗,张婧喆,张森,洪腾,柳蕊,任利单,胡璐璐 | 壹等 |
| 232 | RICTOR/mTORC2 affects tumorigenesis and therapeutic efficacy of mTOR inhibitors in esophageal squamous cell carcinoma   | 基础医学     | 郑州大学  | 侯桂琴  | 壹等 |

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| 233 | Targeting epigenetic regulators to overcome drug resistance in cancers   | 临床医学     | 郑州大学        | 马亭,余斌                 | 壹等 |
| 234 | SETDB1 modulates degradation of phosphorylated RB and anti-cancer efficacy of CDK4/6 inhibitors  | 临床医学     | 郑州大学        | 贾占奎                   | 壹等 |
| 235 | Protective effects of curcumin against thyroid hormone imbalance after gas explosion-induced traumatic brain injury via activation of the hypothalamic-pituitary-thyroid axis in male rats | 预防医学与卫生学 | 新乡医学院       | 董新文,邓律飞,姚三巧,白义春,李海斌   | 壹等 |
| 236 | Biological chemotaxis-guided self-thermophoretic nanoplateform augments colorectal cancer therapy through autonomous mucus penetration   | 基础医学     | 郑州大学        | 王志豪,褚梦雨,黄婉婷           | 壹等 |
| 237 | miR-34a-5p Attenuates EMT through targeting SMAD4 in silica-induced pulmonary fibrosis   | 预防医学与卫生学 | 郑州大学        | 祁远梦,赵阿会,杨培琰,金路恒,郝长付   | 壹等 |
| 238 | Gut microbiome is associated with metabolic syndrome accompanied by elevated gamma-glutamyl transpeptidase in men  | 临床医学     | 郑州大学        | 生士凤                   | 壹等 |
| 239 | Mannan-Binding Lectin Regulates the Th17/Treg Axis Through JAK/STAT and TGF- $\beta$ /SMAD Signaling Against Candida albicans Infection  | 基础医学     | 新乡医学院       | 王凡平,王明永,张振超,张伟,穆永慧    | 壹等 |
| 240 | Association of 3-year change in sleep duration with risk of all-cause mortality in Chinese older population: A national cohort study   | 预防医学与卫生学 | 河南中医药大学     | 刘德臣,王瑾瑾,闫国立           | 壹等 |
| 241 | The effect of progesterone and pregnenolone on diabetes status in Chinese rural population: a dose-response analysis from Henan Rural  | 预防医学与卫生学 | 郑州大学        | 魏丹丹,毛振兴               | 壹等 |
| 242 | CIC-3/SGK1 regulatory axis enhances the olaparib-induced antitumor effect in human stomach adenocarcinoma  | 临床医学     | 郑州大学        | 谷倬宇                   | 壹等 |
| 243 | Multi-dimensional roles of ketone bodies in cancer biology: Opportunities for cancer therapy   | 基础医学     | 郑州大学,中国药科大学 | 冯思琦,王欢,刘嘉莉,阿基业,周芳,王广基 | 壹等 |

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| 244 | Mechanistic insights into the influence of flavonoids from dandelion on physicochemical properties and in vitro digestibility of cooked potato starch   | 中医学与中药学 | 河南中医药大学, 苏州大学 | 黄艳梅, 伍鹏, Xiao Dong Chen  | 壹等 |
| 245 | Baicalin ameliorates CUMS-induced depression-like behaviors through activating AMPK/PGC-1 $\alpha$ pathway and enhancing NIX-mediated mitophagy in mice | 中医学与中药学 | 河南中医药大学       | 沈继朵  | 壹等 |
| 246 | Abnormal brain gray matter volume in patients with major depressive disorder: Associated with childhood trauma?   | 临床医学    | 新乡医学院, 东南大学   | 刘亚辉, 张佳佳, 张猛, 李先瑞, 李坤, 王壁, 杨勇锋, 宋睿泽, 司亚静, 王雪可, 耿艺博, 常巧华, 张海三, 张志珺, 张红星 | 壹等 |
| 247 | Loss of the m6A methyltransferase METTL3 in monocyte-derived macrophages ameliorates Alzheimer's disease pathology in mice                              | 基础医学    | 新乡医学院         | 尹会龙, 睢转, 郑敏化, 张翔, 左文洁, 王邑迪, 丁晓琛, 张小芳, 彭映然, 李佳迪, 杨安钢, 张瑞                | 壹等 |
| 248 | CRISPR-Cas9-Mediated Gene Therapy in Neurological Disorders   | 基础医学    | 新乡医学院         | 管丽红, 韩亚伟, 杨慈清  | 壹等 |
| 249 | RNF31 represses cell progression and immune evasion via YAP/PD-L1 suppression in triple negative breast Cancer  | 基础医学    | 新乡医学院         | 杨会洁, 李中博, 付铭玺  | 壹等 |
| 250 | 益元灸配合膀胱功能训练治疗神经源性膀胱间歇导尿管禁忌证患者的临床研究  | 中医学与中药学 | 河南中医药大学       | 任亚锋, 吴明莉, 王磊, 孙伟娟, 牛秋妍   | 壹等 |
| 251 | Discovery of novel coumarin-indole derivatives as tubulin polymerization inhibitors with potent anti-gastric cancer activities                          | 基础医学    | 郑州大学          | 张赛扬  | 壹等 |
| 252 | Exosomes: Advances, development and potential therapeutic strategies in diabetic nephropathy  | 临床医学    | 郑州大学          | 张晴   | 壹等 |



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| 253 | PCNP is a novel regulator of proliferation, migration, and invasion in human thyroid cancer   | 基础医学     | 河南大学              | 刘红霞,王大勇,姬新颖                 | 壹等 |
| 254 | Diagnostic value of upper airway morphological data based on CT volume scanning combined with clinical indexes in children with obstructive sleep apnea syndrome                                  | 临床医学     | 郑州大学,郑州大学附属郑州中心医院 | 师炎敏,肖新广                     | 壹等 |
| 255 | The role of APOBEC3C in modulating the tumor microenvironment and stemness properties of glioma: evidence from pancancer analysis   | 基础医学     | 南阳师范学院            | 徐茜,白方会,赵辉,屈中玉               | 壹等 |
| 256 | Identification of ferroptosis as a novel mechanism for antitumor activity of natural product derivative a2 in gastric cancer  | 基础医学     | 郑州大学              | 刘瀛,马旭斌,可钰,徐义超               | 壹等 |
| 257 | CYP3A4 and CYP3A5 Expression is Regulated by CYP3A4*1G in CRISPR/Cas9-Edited HepG2 Cells  | 基础医学     | 郑州大学              | 杨卫红,赵欢,窦瑶杰,王沛,常琦,王晓飞,徐晨,张莉蓉 | 壹等 |
| 258 | Gut Microbiome Alterations in Patients With Visceral Obesity Based on Quantitative Computed Tomography  | 临床医学     | 郑州大学              | 闫航                          | 壹等 |
| 259 | Identification of cancer risk assessment signature in patients with chronic obstructive pulmonary disease and exploration of the potential key genes  | 中医学与中药学  | 河南中医药大学           | 关庆洲,赵鹏,田燕歌,张珍珍              | 壹等 |
| 260 | Modified Xiaoyao San reverses lipopolysaccharide-induced depression-like behavior through suppressing microglia M1 polarization via enhancing autophagy involved in PI3K/Akt/mTOR pathway in mice | 中医学与中药学  | 河南中医药大学           | 苏攀                          | 壹等 |
| 261 | Self-assembled poly-HRP dual signal amplification strategy for high-sensitive detection of circulating miR-142-3p in human serum  | 预防医学与卫生学 | 郑州大学              | 何磊良,丁丽华,玉崧成                 | 壹等 |
| 262 | 食管鳞癌多药耐药细胞建立及干性和上皮间质转化表型鉴定  | 基础医学     | 许昌学院              | 刘其伟                         | 壹等 |
| 263 | circREEP3 Drives Colorectal Cancer Progression via Activation of FKBP10 Transcription and Restriction of Antitumor Immunity   | 基础医学     | 郑州大学              | 刘本宇                         | 壹等 |
| 264 | 外泌体源性LncRNA ESCCAL-1/miR-874/ITGBL1对结直肠癌细胞增殖凋亡的影响   | 临床医学     | 河南中医药大学           | 马二民,张兆宏,黄晶晶,刘翔,赤更,刘磊,张楠     | 壹等 |

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| 265 | The Effectiveness of Tuina in Relieving Pain, Negative Emotions, and Disability in Knee Osteoarthritis: A Randomized Controlled Trial   | 中医学与中药学  | 河南中医药大学           | 许辉,赵翅,王玉霞,康冰心                  | 壹等 |
| 266 | Hydrogen Sulfide Attenuates High-Fat Diet-Induced Non-Alcoholic Fatty Liver Disease by Inhibiting Apoptosis and Promoting Autophagy via Reactive Oxygen Species/Phosphatidylinositol 3-Kinase/AKT/Mammalian Target of Rapamycin Signaling Pathway | 基础医学     | 河南大学              | 吴东栋,吉爱玲,李彦章                    | 壹等 |
| 267 | Blue light induces biosynthesis of flavonoids in <i>Epimedium sagittatum</i> (Sieb. et Zucc.) Maxim. leaves, a study on a light-demanding medicinal shade herb  | 中医学与中药学  | 河南中医药大学,平舆县农村农业局  | 杨林林,周省委,侯杨威,纪宝玉,裴莉昕,苏秀红,钟华,董诚明 | 壹等 |
| 268 | Biomimetic Nanoparticles Carrying a Repolarization Agent of Tumor-Associated Macrophages for Remodeling of the Inflammatory Microenvironment Following Photothermal Therapy   | 基础医学     | 郑州大学              | 岳娅乐                            | 壹等 |
| 269 | Germacranolide- and guaianolide-type sesquiterpenoids from <i>Achillea alpina</i> L. reduce insulin resistance in palmitic acid-treated HepG2 cells via inhibition of the NLRP3 inflammasome pathway  | 中医学与中药学  | 河南中医药大学           | 薛贵民,赵晨光,薛金凤                    | 壹等 |
| 270 | Laser lithotripsy to treat a huge incarcerated esophageal bezoar  | 临床医学     | 郑州大学              | 宋锐锋,韩超,王红建,齐光照,徐峰              | 壹等 |
| 271 | Comparative analysis of chloroplast genomes reveals phylogenetic relationships and intraspecific variation in the medicinal plant <i>Isodon rubescens</i>   | 中医学与中药学  | 河南中医药大学           | 练从龙,杨灏,兰金旭,张雪雨,张飞,杨晶凡,陈随清      | 壹等 |
| 272 | CBS基因甲基化对叶酸干预HHcy效果的性别特异性研究   | 预防医学与卫生学 | 郑州卫生健康职业学院        | 王秋红,张卫东,赵青林                    | 壹等 |
| 273 | HOXC11 functions as a novel oncogene in human colon adenocarcinoma and kidney renal clear cell carcinoma  | 基础医学     | 郑州大学,郑州大学附属郑州中心医院 | 崔渊博                            | 壹等 |

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| 274 | Inhibition of LSD1 induces ferroptosis through the ATF4-xCT pathway and shows enhanced anti-tumor effects with ferroptosis inducers in NSCLC           | 基础医学    | 郑州大学                        | 何鹏兴               | 壹等 |
| 275 | Coordination-Precipitation Synthesis of Metal Sulfide with Phase Transformation Enhanced Reactivity against Antibiotic-Resistant Bacteria              | 基础医学    | 郑州大学                        | 刘园                | 壹等 |
| 276 | Integrated clustering signature of genomic heterogeneity, stemness and tumor microenvironment predicts glioma prognosis and immunotherapy response     | 基础医学    | 郑州大学,郑州大学附属郑州中心医院           | 吴洋洋,毛蒙,王林建        | 壹等 |
| 277 | 红小豆多酚对小鼠视网膜光损伤的保护作用及其机制研究  | 基础医学    | 郑州铁路职业技术学院                  | 周路坦,李盈盈,赵绮        | 壹等 |
| 278 | Microstructure and tribological performances of M50 bearing steel processed by ultrasonic surface rolling  | 机械工程    | 河南工业大学                      | 王培                | 壹等 |
| 279 | Decentralized Cooperative Optimal Power Flow of Multiple Interconnected Microgrids via Negotiation   | 动力与电气工程 | 郑州大学                        | 李方圆               | 壹等 |
| 280 | Investigation of the effect of aging on the thermodynamic parameters and the intrinsic healing capability of graphene oxide modified asphalt binders   | 交通运输工程  | 郑州大学                        | 王日冉,齐泽明,李瑞霞,乐金朝   | 壹等 |
| 281 | A Three-Phase Single-Stage ac/dc Converter Based on Swiss Rectifier and Three-Level LLC Topology   | 动力与电气工程 | 郑州大学,南京航空航天大学,南京博兰得电子科技有限公司 | 李想,胡海兵,孙巨禄,徐明     | 壹等 |
| 282 | Multi-scale enhancement mechanisms of graphene oxide on styrene-butadiene-styrene modified asphalt: An exploration from molecular dynamics simulations | 交通运输工程  | 河南工业大学,哈尔滨工业大学              | 胡魁,俞才华,杨琪琳,陈玉静    | 壹等 |
| 283 | Research on seismic performance of precast steel-concrete composite tube shear walls with horizontal joint   | 土木建筑工程  | 河南工业大学                      | 党隆基,庞瑞,刘宇豪,王怡晓,王璐 | 壹等 |

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| 284 | Study of automated top-coal caving in extra-thick coal seams using the continuum-discontinuum element method   | 矿山工程技术  | 华北水利水电大学                | 张群磊,冯春                      | 壹等 |
| 285 | Efficient removal of hazardous benzohydroxamic acid (BHA) contaminants from the industrial beneficiation wastewaters by facile precipitation flotation process | 矿山工程技术  | 郑州大学                    | 韩桂洪,杜屹凡,黄艳芳                 | 壹等 |
| 286 | Reduction of fine particulate matter emissions from cornstalk combustion by calcium phosphates additives   | 能源科学技术  | 郑州轻工业大学                 | 朱有健                         | 壹等 |
| 287 | An Insight into the Excavation Induced Stress Paths on Mechanical Response of Weak Interlayer Zone in Underground Cavern Under High Geostress                  | 土木建筑工程  | 郑州大学,长安大学               | 段淑倩,刘国锋,熊杰程,李明宇             | 壹等 |
| 288 | 基于核磁共振技术和压汞法的液氮冻融煤体孔隙结构损伤演化规律试验研究  | 安全科学技术  | 河南城建学院,炼焦煤资源绿色开发全国重点实验室 | 楚亚培,王满,刘恒,翟攀攀,申通            | 壹等 |
| 289 | The effect of solvent properties on the hydrogen producing performance of catalytic liquid phase ammonia borane  | 能源科学技术  | 河南科技大学                  | 李浩杰,姚震,王学涛                  | 壹等 |
| 290 | Polymer-modified cement mortars: Their enhanced properties, applications, prospects, and challenges  | 土木建筑工程  | 郑州大学                    | 张曦君,杜明瑞                     | 壹等 |
| 291 | VNAI-NDVI-space and polar coordinate method for assessing crop leaf chlorophyll content and fractional cover   | 测绘科学技术  | 河南农业大学                  | 岳继博,付元元                     | 壹等 |
| 292 | Optimal selection of scalar and vector-valued intensity measures for improved fragility analysis in cross-fault hydraulic tunnels                              | 水利工程    | 郑州大学                    | 孙奔博,邓铭江,张社荣,王超,崔激,李仟,许佳,闫欢欢 | 壹等 |
| 293 | Adaptive Power Point Tracking Control of PV System for Primary Frequency Regulation of AC Microgrid With High PV Integration                                   | 动力与电气工程 | 郑州大学                    | 李忠文,程志平,张书源,董亮辉             | 壹等 |
| 294 | AI-TP: Attention-based interaction-aware trajectory prediction for autonomous driving  | 交通运输工程  | 河南工业大学                  | 张坤鹏                         | 壹等 |

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| 295 | Experimental study on flexural behavior of UHPC wet joint in prefabricated multi-girder bridge   | 土木建筑工程 | 郑州大学     | 邓恩峰,张哲                        | 壹等 |
| 296 | Investigation of tensile and fracture mechanical properties of bituminous coal at different strain rates   | 矿山工程技术 | 河南理工大学   | 龚爽                            | 壹等 |
| 297 | Intelligent fault diagnosis of machine under noisy environment using ensemble orthogonal contractive auto-encoder  | 机械工程   | 郑州轻工业大学  | 张玉彦,文笑雨                       | 壹等 |
| 298 | Processing and utilization of the solid plastic waste oil as the sustainable substitute for fossil fuel for the CI engine from microwave assisted pyrolysis process  | 能源科学技术 | 华北水利水电大学 | 赵冰超                           | 壹等 |
| 299 | Recycling of dredged river silt reinforced by an eco-friendly technology as microbial induced calcium carbonate precipitation (MICP)   | 土木建筑工程 | 郑州大学     | 王钰轲                           | 壹等 |
| 300 | Axial stresses in pressure pipe liners spanning joints with initial gap, opening as a result of differential ground movements  | 土木建筑工程 | 郑州大学     | 翟科杰,Ian Moore                 | 壹等 |
| 301 | Multi-objective optimization of virtual energy hub plant integrated with data center and plug-in electric vehicles under a mixed robust-stochastic model   | 能源科学技术 | 周口师范学院   | 苑红磊                           | 壹等 |
| 302 | A safety management approach for Industry 5.0's human-centered manufacturing based on digital twin   | 机械工程   | 郑州轻工业大学  | 王昊琪,吕林东,李旭鹏,李浩,冷杰武,刘根,孙春亚,罗国富 | 壹等 |
| 303 | Nitrogen and sulfur co-doped microporous carbon prepared by a couple of activating and functionalized reagents for efficient CO <sub>2</sub> capture and selective CO <sub>2</sub> /CH <sub>4</sub> separation | 安全科学技术 | 河南理工大学   | 李瑶,王娅鸽,刘楠,王彬彬,董如松             | 壹等 |
| 304 | A critical review for machining positioning based on computer vision   | 机械工程   | 郑州轻工业大学  | 何文斌,江智文                       | 壹等 |

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| 305 | Thermal–stress–wear coupled characteristics of oil seal in airframe rod end–bearing   | 机械工程    | 河南科技大学, 河南工学院, 航空工业第一飞机设计院 | 张帅, 崔永存, 胡忠会, 杨小民, 李彦, 邓四二 | 壹等 |
| 306 | Stress relaxation behavior of 3D printed silicone rubber foams with different topologies under uniaxial compressive load  | 机械工程    | 河南工业大学                     | 朱晓伟                        | 壹等 |
| 307 | Experimental research on the vapor injected photovoltaic–thermal heat pump for heating, power generation and refrigeration  | 动力与电气工程 | 中原工学院                      | 路世翔, 张吉礼, 梁若冰              | 壹等 |
| 308 | Improved organic pollutants removal and simultaneous electricity production via integrating Fenton process and dual rotating disk photocatalytic fuel cell system using bamboo charcoal cathode | 能源科学技术  | 郑州轻工业大学                    | 张军, 郑季历                    | 壹等 |
| 309 | Innovative methodology for co–treatment of mill scale scrap and manganese ore via oxidization roasting–magnetic separation for preparation of ferrite materials                                 | 矿山工程技术  | 郑州大学                       | 刘兵兵, 张莉                    | 壹等 |
| 310 | Generalized Model and Configuration Design of Multiple–Axis Flexure Hinges  | 机械工程    | 华北水利水电大学                   | 李立建, 王迎佳                   | 壹等 |
| 311 | 依据主成分和协整性的大坝变形奇异诊断  | 水利工程    | 华北水利水电大学, 黄河水利委员会黄河水利科学研究院 | 杨光, 李姝昱, 孙锦                | 壹等 |
| 312 | Uncertainty analysis of envelope retrofits for existing residential buildings in underdeveloped areas: A case study of Daokou, China  | 土木建筑工程  | 郑州大学                       | 吴迪, 付孟泽                    | 壹等 |
| 313 | Seismic degradation behavior of steel–FRP composite bar reinforced concrete beams in marine environment based on experimental and numerical investigation                                       | 土木建筑工程  | 郑州大学, 东南大学, 南京林业大学         | 苏畅, 丁里宁, 汪昕, 吴智深           | 壹等 |

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| 314 | Technical and economic analysis of multi-energy complementary systems for net-zero energy consumption combining wind, solar, hydrogen, geothermal, and storage energy             | 能源科学技术  | 华北水利水电大学         | 李满峰                  | 壹等 |
| 315 | Novel (Sm <sub>0.2</sub> Lu <sub>0.2</sub> Yb <sub>0.2</sub> Y <sub>0.2</sub> Dy <sub>0.2</sub> ) <sub>3</sub> TaO <sub>7</sub> high-entropy ceramic for thermal barrier coatings | 机械工程    | 河南工程学院           | 桑玮玮                  | 壹等 |
| 316 | Use of multiple isotopes to evaluate the impact of mariculture on nutrient dynamics in coastal groundwater  | 水利工程    | 华北水利水电大学         | 康萍萍                  | 壹等 |
| 317 | Inferring subsidence characteristics in Wuhan (China) through multitemporal InSAR and hydrogeological analysis  | 测绘科学技术  | 河南大学             | 胡纪元,吴文豪              | 壹等 |
| 318 | Comparison of the different shapes of extruded annular nozzle on the fuel mixing of the hydrogen jet at supersonic combustion chamber   | 机械工程    | 许昌学院             | 李耀辉                  | 壹等 |
| 319 | Analysis of the effect of characteristic parameters and operating conditions on exergy efficiency of alkaline water electrolyzer  | 动力与电气工程 | 郑州大学,北京科技大学,清华大学 | 丁顺良,郭斌,胡松,杨福源,李洋洋,刘彪 | 壹等 |
| 320 | Reduction mechanism of the normal stress exerted on silo wall with chutes during eccentric discharge  | 土木建筑工程  | 河南工业大学           | 徐志军,梁鹏飞,程远浩,周洋       | 壹等 |
| 321 | An assessment of soot chemical property from a modern diesel engine fueled with dimethyl carbonate-diesel blends  | 动力与电气工程 | 河南科技大学,合肥工业大学    | 范晨阳,卫将军              | 壹等 |
| 322 | A combination model for evaluating deformation regional characteristics of arch dams using time series clustering and residual correction   | 水利工程    | 郑州大学,扬州大学        | 陈黄冬,陈旭东,郭进军,徐波       | 壹等 |
| 323 | Effect of Strata Conditions on Shield Pressure and Surface Subsidence at a Longwall Top Coal Caving Working Face  | 矿山工程技术  | 河南工程学院           | 刘闯,李化敏               | 壹等 |
| 324 | Comprehensive operational parameter analysis of cross-flow hollow fiber membrane humidifier for humidification dehumidification desalination                                      | 能源科学技术  | 郑州轻工业大学          | 李国培,王俊儒,张芳芳,刘建华      | 壹等 |
| 325 | Thermo-hydro-mechanical response of a multi-layered pavement with imperfect interface based on dual variable and position method  | 交通运输工程  | 郑州大学             | 刘衡,蔡迎春,钟阳,潘宝峰        | 壹等 |

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| 326 | Experimental and simulation study on rock-breaking efficiency of disc cutters on composite rocks  | 土木工程   | 河南大学                               | 温森,张春顺                 | 壹等 |
| 327 | Measurement of elastic modulus of laser cladding coatings by laser ultrasonic method  | 机械工程   | 郑州大学                               | 邹云,柴延伟,王栋,李阳           | 壹等 |
| 328 | An Evaluation Model of Carbon Emission Reduction Effect of Prefabricated Buildings Based on Cloud Model from the Perspective of Construction Supply Chain | 土木工程   | 华北水利水电大学                           | 孙少楠,陈营营,王爱领,刘肖杰        | 壹等 |
| 329 | Experimental Study on Strain and Failure Location of Interacting Defects in Pipeline  | 水利工程   | 郑州大学                               | 孙明明,方宏远                | 壹等 |
| 330 | Influences of Deep Foundation Pit Excavation on the Stability of Adjacent Ancient Buildings   | 土木工程   | 河南城建学院                             | 张丹丹                    | 壹等 |
| 331 | Resistances of high-strength steel equal-leg-angle section columns eccentrically connected by one leg   | 土木工程   | 河南城建学院,中国电建集团河南省电力勘测设计院有限公司,西安交通大学 | 屈讼昭,郭咏华,孙清             | 壹等 |
| 332 | Fault diagnosis of VRF air-conditioning system based on improved Gaussian mixture model with PCA approach   | 能源科学技术 | 郑州大学                               | 郭亚宾                    | 壹等 |
| 333 | Optimal production scheduling with multi-round information interaction for demander-dominated decentralized scheduling problem                            | 机械工程   | 郑州轻工业大学                            | 张丽科                    | 壹等 |
| 334 | 考虑径向渗透系数变化的真空预压竖井地基固结解析解  | 土木工程   | 中原工学院                              | 张玉国,万东阳,郑言林,韩帅,杨晗玥,段萌萌 | 壹等 |
| 335 | A systematic review of machine learning methods applied to fuel cells in performance evaluation, durability prediction, and application monitoring        | 机械工程   | 郑州轻工业大学                            | 明五一,孙培焱,张臻,郭旭东         | 壹等 |



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| 336 | Synergistic effect of mixing wheat straw and lignite in co-pyrolysis and steam co-gasification  | 能源科学技术 | 河南农业大学             | 赵淑蘅,杨攀博,刘晓锋,张全国,胡建军 | 壹等 |
| 337 | A Continuous Damage Statistical Constitutive Model for Sandstone and Mudstone Based on Triaxial Compression Tests                                       | 矿山工程技术 | 河南大学               | 吴禄源                 | 壹等 |
| 338 | A fully multifield coupling model of gas extraction and air leakage for in-seam borehole  | 安全科学技术 | 中原工学院              | 张钧祥,刘彦伟,韩红凯,张帅      | 壹等 |
| 339 | The growth of sll type methane hydrate influenced by thermodynamic inhibitors   | 能源科学技术 | 河南工业大学             | 刘杨,王海涛,陈曦,杜晓瞳       | 壹等 |
| 340 | Laboratory investigation of foamed concrete prepared by recycled waste concrete powder and ground granulated blast furnace slag                         | 土木建筑工程 | 河南大学               | 姚田帅,田青,张苗,祁帅,王成,阮梦月 | 壹等 |
| 341 | A CNN-Bi_LSTM parallel network approach for train travel time prediction  | 交通运输工程 | 洛阳职业技术学院           | 郭经纬                 | 壹等 |
| 342 | Facile synthesis of carbon coated cobalt-cobalt molybdenum carbide as advanced bifunctional oxygen electrocatalyst for rechargeable Zn-air battery      | 能源科学技术 | 中原工学院              | 陈思如                 | 壹等 |
| 343 | Experimental Study on Direct Harvesting of Corn Kernels   | 农业工程   | 平顶山学院              | 杨立权,吕青青,张红梅         | 壹等 |
| 344 | Experimental and numerical investigation on dynamic behaviors of glass fiber reinforced polymer plates under explosion loadings                         | 土木建筑工程 | 郑州大学               | 赵浩楠,赵小华             | 壹等 |
| 345 | 3种砂岩变形与强度特征对比分析   | 矿山工程技术 | 河南理工大学             | 王云飞,王立平             | 壹等 |
| 346 | Evaluating and improving the adaptability of commonly used indices for predicting outdoor thermal sensation in hot and humid residential areas of China | 土木建筑工程 | 河南工业大学,华南理工大学,重庆大学 | 李坤明,刘骁,张华,马健,何宝杰    | 壹等 |
| 347 | Shaking table test and simulation of 12-story buildings with metallic dampers located on soft soil  | 土木建筑工程 | 河南工业大学             | 杨金平,静行              | 壹等 |

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| 348 | Effects of Scenedesmus dimorphus, spirulina biodiesel, hydrogen and nanoparticles fuel blends on mass burn fraction, emission, noise and vibration characteristics | 动力与电气工程 | 黄淮学院       | 尹朋                         | 壹等 |
| 349 | Application of Rayleigh–Ritz formulation to thermomechanical buckling of variable angle tow composite plates with general in–plane boundary constraint             | 机械工程    | 河南城建学院     | 陈晓东                        | 壹等 |
| 350 | A nearly zero energy building design method based on architecture form design for high solar exposure areas in China’ s severe cold and cold regions               | 土木建筑工程  | 河南工业大学     | 李恩,陈璐瑶,张天琪,朱江昆,侯韧          | 壹等 |
| 351 | Quantifying the Uncertainties in Data–Driven Models for Reservoir Inflow Prediction  | 水利工程    | 华北水利水电大学   | 张小丽                        | 壹等 |
| 352 | Electricity consumption and load prediction method for Chinese rural residences based on the randomness and seasonality in electricity usage behavior              | 能源科学技术  | 中原工学院      | 袁鹏丽,端木琳,王宗山,高科,赵欣怡,刘心彤,孔维红 | 壹等 |
| 353 | Optimization model for the short–term joint operation of a grid–connected wind–photovoltaic–hydro hybrid energy system with cascade hydropower plants              | 水利工程    | 郑州大学       | 苏承国,王沛霖,吴泽宁                | 壹等 |
| 354 | Numerical investigation of flow behavior and film thickness in the single screw expander   | 动力与电气工程 | 中原工学院      | 刘献飞,张慧,李志强,朱彩霞             | 壹等 |
| 355 | An inverse analysis method to identify maximum overfire temperature based on an improved ant colony algorithm  | 土木建筑工程  | 河南工业大学     | 崔璟,郭小明,詹瑒                  | 壹等 |
| 356 | Effect of CeO <sub>2</sub> Doping on Phase Structure and Microstructure of AlCoCuFeMnNi Alloy Coating  | 机械工程    | 河南工业职业技术学院 | 马明星,王志新,梁存                 | 壹等 |
| 357 | Contourlet–based non–local mean via Retinex theory for robot infrared image enhancement  | 机械工程    | 郑州科技学院     | 张曦                         | 壹等 |
| 358 | 高硅煤燃烧过程中矿物转化及重金属分布规律研究   | 能源科学技术  | 郑州电力高等专科学校 | 李文举,龚本根                    | 壹等 |

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| 360 | Multi class SVM algorithm with active learning for network traffic classification  | 计算机科学技术   | 周口师范学院  | 董仕          | 壹等 |
| 361 | Purpose-directed two-phase multiobjective differential evolution for constrained multiobjective optimization                     | 计算机科学技术   | 郑州大学    | 于坤杰,梁静      | 壹等 |
| 362 | Resource allocation for intelligent reflecting surface assisted wireless powered IoT systems with power splitting                | 电子与通信技术   | 郑州大学    | 朱政宇,李铮,楚征   | 壹等 |
| 363 | Self-adaptive mutation differential evolution algorithm based on particle swarm optimization                                     | 计算机科学技术   | 河南警察学院  | 王世豪,李玉贞     | 壹等 |
| 364 | EAGCN: An efficient adaptive graph convolutional network for item recommendation in social internet of things                    | 计算机科学技术   | 郑州大学    | 吴宾,钟李红      | 壹等 |
| 365 | Correlation-guided updating strategy for feature selection in classification with surrogate-assisted particle swarm optimization | 计算机科学技术   | 郑州大学    | 陈科          | 壹等 |
| 366 | Codebook-based max-min energy-efficient resource allocation for uplink mmWave MIMO-NOMA systems                                  | 电子与通信技术   | 郑州大学    | 郝万明,孙钢灿,杨守义 | 壹等 |
| 367 | Memristor-based circuit design of PAD emotional space and its application in mood congruity                                      | 信息科学与系统科学 | 郑州轻工业大学 | 孙军伟,王洋洋,王延峰 | 壹等 |
| 368 | Privacy-preserving Multi-class Support Vector Machine Model on Medical Diagnosis   | 计算机科学技术   | 许昌学院    | 陈艳格,王保仓,洪智勇 | 壹等 |
| 369 | SLS-STQ: A Novel Scheme for Securing Spatial - Temporal Top-k Queries in TWSNs-Based Edge Computing Systems                      | 计算机科学技术   | 信阳师范大学  | 马行坡         | 壹等 |
| 370 | A reinforcement learning-based energy management strategy for fuel cell hybrid vehicle considering real-time velocity prediction | 信息科学与系统科学 | 郑州大学    | 杨朵          | 壹等 |
| 371 | Feature selection with maximal relevance and minimal supervised redundancy   | 计算机科学技术   | 河南大学    | 王雅娣         | 壹等 |

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| 372 | An Approach for DVL-Aided SINS In-Motion Alignment based on Observability Analysis   | 信息科学与系统科学 | 郑州大学            | 刘沛佳,侯冬冬,王凯                                      | 壹等 |
| 373 | Robust $H_\infty$ Control for Semilinear Parabolic Distributed Parameter Systems With External Disturbances via Mobile Actuators and Sensors | 信息科学与系统科学 | 郑州大学            | 刘亚强,王俊伟,吴宗泽,任志刚,谢胜利                             | 壹等 |
| 374 | Differential Evolution Using Improved Crowding Distance for Multimodal Multiobjective Optimization   | 计算机科学技术   | 郑州大学            | 岳彩通,Ponnuthurai Nagaratnam Suganthan,瞿博阳,朱永胜,闫李 | 壹等 |
| 375 | Resource Allocation in UAV-Enabled Wireless-Powered MEC Networks With Hybrid Passive and Active Communications                               | 计算机科学技术   | 周口师范学院          | 李骞,张中军  | 壹等 |
| 376 | Protein secondary structure prediction using a lightweight convolutional network and label distribution aware margin loss                    | 计算机科学技术   | 河南大学            | 杨伟  | 壹等 |
| 377 | Privacy-preserving and communication-efficient federated learning in Internet of Things  | 计算机科学技术   | 解放军战略支援部队信息工程大学 | 方晨,郭渊博,胡永进,马博文                                  | 壹等 |
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| 582 | Preparation of CdS - Ag <sub>2</sub> S nanocomposites by ultrasound-assisted UV photolysis treatment and its visible light photocatalysis activity                 | 材料科学          | 河南科技大学 | 韩超,程楚,刘凤玲,李新利,王广欣,李继文  | 贰等 |
| 583 | A water-stable zinc metal-organic framework as fluorescent probe for simultaneously sensing of glutathione and cysteine  | 材料科学          | 河南工程学院 | 岳丹,李卫东,王振领             | 贰等 |
| 584 | Loading regulation of gold nanoparticles on self-assembled 3D MoO <sub>3</sub> hierarchical structure for high triethylamine sensing                               | 材料科学          | 郑州大学   | 侯星慧                    | 贰等 |
| 585 | Amplification, Enrichment, and Sequencing of Mutagenic Methylated DNA Adduct through Specifically Pairing with Unnatural Nucleobases                               | 化学            | 河南师范大学 | 朱吾元,铁文超,霍变变,李凌君        | 贰等 |
| 586 | A precise method to monitor hydroxyl radical in natural waters based on a fluoride-containing fluorescence probe   | 化学            | 安阳师范学院 | 徐耀瑜                    | 贰等 |
| 587 | Development of melamine-impregnated alginate capsule for selective recovery of Pd(II) from a binary metal solution   | 环境科学技术及资源科学技术 | 信阳师范大学 | 魏巍,邱燕子,郜慧              | 贰等 |
| 588 | Microsized Red Luminescent MgAl <sub>2</sub> O <sub>4</sub> :Mn <sup>4+</sup> Single-Crystal Phosphor Grown in Molten Salt for White LEDs                          | 材料科学          | 郑州大学   | 姬海鹏                    | 贰等 |
| 589 | Revealing the dynamics of the alloying and segregation of Pt-Co nanoparticles via in-situ environmental transmission electron microscopy                           | 凝聚态物理学        | 郑州大学   | 李星,程少博                 | 贰等 |
| 590 | Hemin@carbon dot hybrid nanozymes with peroxidase mimicking properties for dual (colorimetric and fluorometric) sensing of hydrogen peroxide, glucose and xanthine | 化学            | 河南师范大学 | 苏莉,王亮,董文佩              | 贰等 |
| 591 | Effect of HF and NaOH etching on the composition and structure of SiOC ceramics  | 材料科学          | 河南科技学院 | 夏克东,李闯闯,赵思育,李芸玲,段凌瑶,刘晓 | 贰等 |
| 592 | pH-controlled assembling of POM-based metal-organic frameworks for use as supercapacitors and efficient oxidation catalysts for various sulfides                   | 化学            | 许昌学院   | 侯玉姣                    | 贰等 |

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|-----|---|---------------|----------|------------|----|
| 593 | Mobile genetic elements are the Major driver of High antibiotic resistance genes abundance in the Upper reaches of huaihe River Basin   | 环境科学技术及资源科学技术 | 信阳师范大学   | 张凯         | 贰等 |
| 594 | Heteroatom-doped noble carbon-tailored mixed matrix membranes with ultrapermeability for efficient CO <sub>2</sub> separation   | 化学            | 河南大学     | 田志红,李东洋,王景 | 贰等 |
| 595 | Uniformly Dispersed Ru Nanoparticles Constructed by In Situ Confined Polymerization of Ionic Liquids for the Electrocatalytic Hydrogen Evolution Reaction                     | 化学            | 商丘师范学院   | 张永亚        | 贰等 |
| 596 | Activating commercial Al pellets by replacing the passivation layer for high-performance half/full Li-ion batteries   | 化学            | 信阳师范大学   | 刘会俏        | 贰等 |
| 597 | Impedimetric biosensor for assay of caspase-3 activity and evaluation of cell apoptosis using self-assembled biotin-phenylalanine network as signal enhancer                  | 化学            | 安阳师范学院   | 夏宁         | 贰等 |
| 598 | A sensitive and selective fluorescence probe for detection of hypochlorite (OCl <sup>-</sup> ) and its bioimaging in live cells   | 化学            | 河南牧业经济学院 | 马志伟,吕全建    | 贰等 |
| 599 | Partially fluorinated UiO-66-NH <sub>2</sub> (Zr): Positive effect of the fluorine moiety on the adsorption capacity for environmental pollutants of metal-organic frameworks | 化学            | 河南大学     | 张宁         | 贰等 |
| 600 | Hierarchically Nanoporous Carbon for CO <sub>2</sub> Capture and Separation: Roles of Morphology, Porosity, and Surface Chemistry   | 化学工程          | 黄河科技学院   | 石微微,余娇,常彬彬 | 贰等 |
| 601 | Cerium-terephthalic acid metal-organic frameworks for ratiometric fluorescence detecting and scavenging .OH from fuel combustion gas  | 材料科学          | 黄河科技学院   | 陈健         | 贰等 |
| 602 | Ferroelectric polarization-enhanced photocatalytic properties and photo-induced charge carrier behavior of Au/BaTiO <sub>3</sub>  | 材料科学          | 许昌学院     | 钞春英,李浩     | 贰等 |
| 603 | An aggregation-induced emission (AIE) fluorescent chemosensor for the detection of Al(III) in aqueous solution  | 化学            | 河南工业大学   | 李媛媛        | 贰等 |

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| 604 | Facile modulation of different vacancies in ZnS nanoplates for efficient solar fuel production  | 化学            | 商丘师范学院 | 李盼,罗干              | 贰等 |
| 605 | Sulfonated graphene oxide doped sulfonated polybenzothiazoles for proton exchange membrane fuel cells   | 化学            | 河南工业大学 | 王刚                 | 贰等 |
| 606 | Duplex-specific nuclease-based electrochemical biosensor for the detection of microRNAs by conversion of homogeneous assay into surface-tethered electrochemical analysis   | 化学            | 安阳师范学院 | 刘林                 | 贰等 |
| 607 | Tuning the photocatalytic water-splitting performance with the adjustment of diameter in an armchair WSSe nanotube  | 材料科学          | 安阳师范学院 | 鞠林                 | 贰等 |
| 608 | Study of enhanced magnetoelectric coupling behavior in asymmetrical bilayered multiferroic heterostructure with two resonance modes   | 材料科学          | 安阳师范学院 | 李廷先                | 贰等 |
| 609 | Active sulfur-host material VS <sub>4</sub> with surface defect engineering: Intercalation-conversion hybrid cathode boosting electrochemical performance of Li-S batteries | 化学            | 河南农业大学 | 董玉涛,张冉,彭怀启,韩丹丹,郑先福 | 贰等 |
| 610 | Rod-like hybrid nanomaterial with tumor targeting and pH-responsive for cancer chemo/photothermal synergistic therapy   | 材料科学          | 河南大学   | 于树玲                | 贰等 |
| 611 | Effect of hindered phenol AO-80 on the damping properties for nitrile-butadiene rubber/phenolic resin: Molecular simulation and experimental study                          | 材料科学          | 中原工学院  | 宋梦                 | 贰等 |
| 612 | Exogenous N-hexanoyl-L-homoserine lactone assists in upflow anaerobic sludge blanket recovery from acetate accumulation via acetoclastic methanogens enrichment             | 环境科学技术及资源科学技术 | 河南农业大学 | 张玉鹏,刘凤琴,刘红恩        | 贰等 |
| 613 | Fabrication of a water-retaining, slow-release fertilizer based on nanocomposite double-network hydrogels via ion-crosslinking and free radical polymerization              | 化学工程          | 河南工业大学 | 申艳敏                | 贰等 |

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| 614 | A metal-covalent organic framework catalyst with pincer coordination units for boosting transfer hydrogenation of quinolines with ammonia borane                                   | 材料科学          | 中原工学院      | 艾文英,崔思文,李鹏宇                | 贰等 |
| 615 | Catalyst-Controlled Direct Oxysulfonylation of Alkenes by Using Sulfonylazides as the Sulfonyl Radical   | 化学            | 新乡学院       | 陈荣祥,唐摇雪,和晓慧                | 贰等 |
| 616 | Nanoplastic pollution inhibits stream leaf decomposition through modulating microbial metabolic activity and fungal community structure  | 环境科学技术及资源科学技术 | 郑州轻工业大学    | 杜京京,渠文瑞,牛玉龙,屈明祥            | 贰等 |
| 617 | Human serum albumin templated MnO <sub>2</sub> nanosheets as an efficient biomimetic oxidase for biomolecule sensing   | 化学            | 郑州大学       | 葛佳                         | 贰等 |
| 618 | MOF-derived Co-C composites with 3D star structure for enhanced microwave absorption   | 纺织科学技术        | 中原工学院      | 强荣,马茜,邵玉龙,杨啸,薛瑞,陈博文,陈熠,冯世江 | 贰等 |
| 619 | A catalytic copper/cobalt oxide interface for efficient hydrogen generation  | 化学            | 焦作师范高等专科学校 | 许文静,张社利                    | 贰等 |
| 620 | Effects of impure ions in precursors on the formation of active oxygen in MnO <sub>2</sub> for promoting VOCs oxidation  | 环境科学技术及资源科学技术 | 中原工学院      | 李珏秀                        | 贰等 |
| 621 | Polystyrene/Fluorinated Polyurethane Electrospinning Nanofiber Membranes Incorporated with Graphene Oxide-Halamine as Mask Filter Materials for Reusable Antibacterial Application | 纺织科学技术        | 中原工学院      | 邵伟力,张雨婷,孙宁,李俊丽,刘凡,何健新      | 贰等 |
| 622 | Aerobic C-C Bond Cleavage of Allylic Alcohols via Co-Catalyzed Hydrogen Atom Transfer  | 化学            | 洛阳师范学院     | 邓萌,李楠                      | 贰等 |
| 623 | Stepwise and hysteretic sorption of CO <sub>2</sub> in polycatenated metal-organic frameworks  | 化学            | 郑州轻工业大学    | 陈迪明,张雪静                    | 贰等 |
| 624 | Layered Sn <sub>2</sub> S <sub>2-x</sub> alloys with fully chemical compositions and band gaps for photoelectrochemical water oxidation  | 材料科学          | 许昌学院       | 赵红晓,闫勇                     | 贰等 |



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| 625 | Dithienylethene-Bridged Fluoroquinolone Derivatives for Imaging-Guided Reversible Control of Antibacterial Activity  | 化学            | 洛阳师范学院 | 张海宁,齐月恒            | 贰等 |
| 626 | Tipping Gold Nanobipyramids with Titania for the Use of Plasmonic Hotspots to Drive Amine Coupling   | 化学            | 黄河科技学院 | 何广莉                | 贰等 |
| 627 | 无锐钛矿物种的多级孔TS-1分子筛的制备及其催化氯丙烯环氧化性能研究   | 化学            | 商丘师范学院 | 刘猛                 | 贰等 |
| 628 | Kinetically well-matched porous framework dual carbon electrodes for high-performance sodium-ion hybrid capacitors   | 化学            | 信阳师范大学 | 李超                 | 贰等 |
| 629 | Ln-CPs constructed from unsymmetrical tetracarboxylic acid ligand: Tunable white-light emission and highly sensitive detection of CrO <sub>4</sub> <sup>2-</sup> , Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> , MnO <sub>4</sub> <sup>-</sup> in water | 化学            | 信阳师范大学 | 王艳宁,王少单,王文静,郝莹莹,齐鹤 | 贰等 |
| 630 | One-step synthesis of Co <sub>2</sub> P/N-P co-doped porous carbon composites derived from soybean derivatives as acidic and alkaline HER electrocatalysts   | 材料科学          | 中原工学院  | 贾少培                | 贰等 |
| 631 | Nitrogen doped porous carbon-based bifunctional oxygen electrocatalyst with controllable phosphorus content for zinc-air battery   | 材料科学          | 河南工业大学 | 蔡世昌                | 贰等 |
| 632 | Copper-Catalyzed Intermolecular C(sp <sup>2</sup> )-H Amination with Electrophilic O-Benzoyl Hydroxylamines  | 化学            | 信阳师范大学 | 饶伟浩,蒋莉莉            | 贰等 |
| 633 | Bronsted Acid-Catalyzed Direct C(sp <sup>2</sup> )H Heteroarylation Enabling the Synthesis of Structurally Diverse Biaryl Derivatives  | 化学            | 郑州大学   | 袁硕                 | 贰等 |
| 634 | Preparation of supported chitosan adsorbent with high adsorption capacity for Titan Yellow removal   | 化学工程          | 平顶山学院  | 石清湘,李妍,王莉,王佳,曹云丽   | 贰等 |
| 635 | Green synthesis of carbon nanodots for direct and rapid determination of theophylline through fluorescence turn on-off strategy  | 化学            | 信阳师范大学 | 张红定                | 贰等 |
| 636 | Spatial distribution analysis and driving factors of traditional villages in Henan province: a comprehensive approach via geospatial techniques and statistical models   | 环境科学技术及资源科学技术 | 信阳农林学院 | 刘文祥,薛莹,尚存          | 贰等 |

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| 637 | Synergistic photocatalytic nanozymes to promote contaminant removal and hydrogen production  | 材料科学          | 许昌学院     | 李彩霞                                      | 贰等 |
| 638 | Photo-switchable In(III)-to-In(I) site on oxygen vacancy-laden BiOCl surface for selective degradation of monocyclic aromatic compounds  | 化学            | 许昌学院     | 葛素香                                      | 贰等 |
| 639 | Microdefects evolution and electrochemical performance modulation of Mn doped VO <sub>2</sub> (B) nanorods   | 凝聚态物理学        | 郑州轻工业大学  | 刘德伟,翟学珍,闫福丰,尚翠,龚高尚,章启杰,丁赛鹏,代海洋,李涛,薛人中,陈靖 | 贰等 |
| 640 | A novel synthesis method of mesoporous carbon loaded with Fe <sub>3</sub> O <sub>4</sub> composite for effective adsorption and degradation of sulfamethazine                    | 环境科学技术及资源科学技术 | 河南工业大学   | 张良波,刘彬,李进松                               | 贰等 |
| 641 | Mechanism of CO <sub>2</sub> conversion into methanol and methane at the edge of graphitic carbon nitride sheet: A first-principle study   | 化学            | 周口师范学院   | 巫洪章                                      | 贰等 |
| 642 | Influence of molecular weight and the change of solvent solubility on $\beta$ conformation and chains condensed state structure for poly (9,9-dioctylfluorene) (PFO) in solution | 凝聚态物理学        | 河南理工大学   | 李涛,关意佳                                   | 贰等 |
| 643 | Enhanced photocatalytic degradation of sulfamethazine by g-C <sub>3</sub> N <sub>4</sub> /Cu, N-TiO <sub>2</sub> composites under simulated sunlight irradiation                 | 环境科学技术及资源科学技术 | 信阳师范大学   | 曾小兰                                      | 贰等 |
| 644 | Thermoelectric performance of monolayer Bi <sub>2</sub> Te <sub>2</sub> Se of ultra low lattice thermal conductivity   | 凝聚态物理学        | 华北水利水电大学 | 徐斌,马珊珊                                   | 贰等 |
| 645 | 螺旋高分子聚合物与超分子寡聚体自组装液晶定向介质用于各向异性核磁共振有机分析   | 化学            | 商丘师范学院   | 李高伟,王晓娟                                  | 贰等 |
| 646 | Controllable Synthesis and Ultrahigh Anisotropic Single-Crystal Proton Conduction of a Hydrogen-Bonded Organic Framework   | 化学            | 河南大学     | 伦会洁,李亚敏                                  | 贰等 |

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| 647 | Magnetic Fluorescence Molecularly Imprinted Polymer Based on FeO <sub>x</sub> /ZnS Nanocomposites for Highly Selective Sensing of Bisphenol A                        | 化学            | 南阳师范学院  | 张鑫  | 贰等 |
| 648 | One-Pot Synthesis and Hydrolysis Behavior of Highly Water-Soluble Ammonium Polyphosphate   | 环境科学技术及资源科学技术 | 郑州大学    | 王保明,吕中豪,于梦梦,刘旭,李翠利,化全县,刘咏,刘鹏飞,申博,赵楠,丁俊祥,汤建伟 | 贰等 |
| 649 | Efficient gas chromatographic separation of xylene and other aromatic isomers by using pillar[6]arene-based stationary phase   | 化学            | 洛阳师范学院  | 孙涛  | 贰等 |
| 650 | Difluoromethylation of heterocycles via a radical process  | 化学            | 郑州大学    | 石林林   | 贰等 |
| 651 | Peptide-drug co-assembling: A potent armament against cancer   | 材料科学          | 河南中医药大学 | 吴灿,王满满,孙金盼,刘改枝,关延彬,庞鑫                       | 贰等 |
| 652 | NiCu alloys anchored Co <sub>3</sub> O <sub>4</sub> nanowire arrays as efficient hydrogen evolution electrocatalysts in alkaline and neutral media                   | 材料科学          | 平顶山学院   | 马爽,杨佩琪,吴中豪,李湘黔                              | 贰等 |
| 653 | Dual-Stimulus-Driven Dynamically Controllable [3]Rotaxane with Tunable Organic Room-Temperature Phosphorescence  | 化学            | 河南农业大学  | 刘国星   | 贰等 |
| 654 | Dual-Site Forster Resonance Energy Transfer Route of Upconversion Nanoparticles-Based Brain-Targeted Nanotheranostic Boosts the Near-Infrared Phototherapy of Glioma | 化学            | 河南大学    | 王杰菲,上官萍,林明                                  | 贰等 |
| 655 | Computer-aided prediction of structure and hydrogen storage properties of tetrakis(4-aminophenyl)silsesquioxane based covalent-organic frameworks                    | 凝聚态物理学        | 河南工业大学  | 李晓东   | 贰等 |
| 656 | Substrate Self-Assisted Secondary Bond Activation of Allylic Alcohol in a Tsuji-Trost Reaction Revealed by NMR Methods   | 化学            | 信阳师范大学  | 马献涛,于静                                      | 贰等 |

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| 657 | Thermal stability, microstructure evolution and grain growth kinetics of ultrafine grained Al 7075 alloy processed by cryogenic temperature extrusion machining                                    | 冶金工程技术 | 中原工学院          | 殷晓龙,王婉,王志林,郭润宇,于贺春,皮云云,闫文杰,王汉斌,周浩兵 | 贰等 |
| 658 | High-Resolution Imaging of Latent Fingerprints Through Near-Infrared Organoboron AIEgens.  | 化学     | 河南农业大学         | 刘立杰                                | 贰等 |
| 659 | A strategy to design Ti-based in-situ bulk metallic glass composites containing controllable volume fraction and composition of the dendrite phase using conventional titanium alloy Ti - 6Al - 4V | 材料科学   | 安阳师范学院         | 刘丁铭,李煜璠                            | 贰等 |
| 660 | A water-promoted catalytic hydrodecarboxylation of conjugated carboxylic acids under open air conditions at room temperature   | 化学     | 新乡学院           | 王占勇,杨婷                             | 贰等 |
| 661 | NHC-Catalyzed Transformation Reactions of Imines: Electrophilic versus Nucleophilic Attack   | 化学     | 许昌学院           | 刘春辉                                | 贰等 |
| 662 | Substrate-Controlled Regioselectivity Switch in a Three-Component 1,3-Dipolar Cycloaddition Reaction to Access 3,3'-Pyrrolidinyl-Spirooxindoles Derivatives  | 化学     | 新乡学院           | 王凯凯,李艳利,赵英超,王明月,盛师                 | 贰等 |
| 663 | A Metal-Free Visible-Light-Promoted Phosphorylation/Cyclization Reaction in Water towards 3-Phosphorylated Benzothiophenes   | 化学     | 郑州大学           | 袁晓亚,吕琪妍                            | 贰等 |
| 664 | Tuning scintillation properties of Lu <sub>2</sub> SiO <sub>5</sub> by Ce and Ca codoping  | 凝聚态物理学 | 河南工业大学         | 蔡佳佳                                | 贰等 |
| 665 | Ultrasensitive fluorescence detection of microRNA through DNA induced assembly of carbon dots on gold nanoparticles with no signal amplification strategy  | 化学     | 信阳师范大学         | 何梦媛                                | 贰等 |
| 666 | DLSSAffinity: protein-ligand binding affinity prediction via a deep learning model   | 凝聚态物理学 | 河南科技大学, 华中师范大学 | 王慧雯,赵蕴杰,刘浩泉,宁尚波,曾成伟                | 贰等 |
| 667 | Polyvinylpyrrolidone-stabilized Pt nanoclusters as robust oxidase mimic for selective detection of ascorbic acid   | 化学     | 周口师范学院         | 刘学良                                | 贰等 |

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| 668 | Synthesis of rGO/g-C <sub>3</sub> N <sub>4</sub> for methyl orange degradation in activating peroxydisulfate under simulated solar light irradiation   | 环境科学技术及资源科学技术 | 中原工学院, 济南市莱芜区科技创新协调服务中心, 河南省新郑市第一中学 | 李玉坤, 张丹, 陈启石, 晁聪, 孙俊红              | 贰等 |
| 669 | Fabrication of a Superhydrophobic Conductive Porous Film with Water-Resistance for Wearable Sensors  | 纺织科学技术        | 中原工学院                               | 丁亚茹                                | 贰等 |
| 670 | Chemo- and regioselective synthesis of C <sub>3</sub> -sulfonate esters and C <sub>4</sub> -chlorides of quinolines under metal-free conditions  | 化学            | 河南工程学院                              | 陈栋                                 | 贰等 |
| 671 | Construction of benzothiadiazole-based D-A covalent organic frameworks for photocatalytic reduction of Cr (VI) and synergistic elimination of organic pollutants   | 材料科学          | 中原工学院                               | 秦娜                                 | 贰等 |
| 672 | Integrating divided electrolysis-microfiltration process for energy-efficient phosphorus recovery in the form of calcium phosphate   | 环境科学技术及资源科学技术 | 周口师范学院                              | 朱超胜                                | 贰等 |
| 673 | Light Out-Coupling Enhancement of Blue Quantum-Dot Light-Emitting Diodes with Internal Diffraction Wrinkle Pattern   | 凝聚态物理学        | 中原工学院                               | 戚辉, 张坤, 靳文涛, 袁佩玲, 丁星星, 臧帅普, 张莹, 陈铃 | 贰等 |
| 674 | Chemoselective Mono- and Difluorination of 1,3-Dicarbonyl Compounds  | 化学            | 信阳师范大学                              | 唐林                                 | 贰等 |
| 675 | Evolution of conformation and thermal properties of bovine hides collagen in the sodium sulphide solution  | 化学工程          | 河南科技大学, 郑州大学                        | 刘辉, 李萌雅, 刘捷, 孟雪萍                   | 贰等 |
| 676 | The first-principles calculations of photocatalytic water splitting and photoelectric properties of two-dimensional Mo <sub>x</sub> W <sub>1-x</sub> S <sub>2</sub> and MoS <sub>2</sub> xSe <sub>2</sub> (1-x) alloys | 凝聚态物理学        | 郑州师范学院                              | 柴花斗                                | 贰等 |

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|-----|--|---------------|----------|-----------------------------|----|
| 677 | Experimental study on the change of coal structure and microbial community structure during supercritical-CO <sub>2</sub> -H <sub>2</sub> O-microorganisms-coal interaction process        | 环境科学技术及资源科学技术 | 河南理工大学   | 夏大平                         | 贰等 |
| 678 | Improving the photocatalytic performance of conjugated polyelectrolytes via substituent optimization   | 材料科学          | 河南工业大学   | 田利,林浩伟,尚蒙娅,徐善弘              | 贰等 |
| 679 | Equilibrium solubility, thermodynamic properties and Hansen solubility parameter of doxifluridine in (±)-2-ethyl-1-hexanol + (methanol, ethanol and acetone) at various temperatures       | 化学工程          | 中原工学院    | 沙娇                          | 贰等 |
| 680 | Enhanced gas molecules adsorption on $\gamma$ -graphyne doped with Fe atom: A first-principles study   | 凝聚态物理学        | 中原工学院    | 赵宾,杨文涛,王建军,李重阳,郭鹏,李梦,葛向红,张明 | 贰等 |
| 681 | Synthesis of spirobarbiturate-pyrrolidinones via a domino aza-Michael/SN <sub>2</sub> cyclization of barbiturate-derived alkenes with N-alkoxy $\alpha$ -haloamides                        | 化学            | 河南牧业经济学院 | 王川川,陈晓培                     | 贰等 |
| 682 | Comparison of corrosion behaviors and wettability of CMAS on Ta <sub>2</sub> O <sub>5</sub> -Y <sub>2</sub> O <sub>3</sub> co-stabilized ZrO <sub>2</sub> and YSZ thermal barrier coatings | 材料科学          | 信阳师范大学   | 王进双                         | 贰等 |
| 683 | BX <sub>3</sub> -mediated borylation for the synthesis of organoboron compounds  | 化学            | 安阳师范学院   | 杨春华                         | 贰等 |
| 684 | Improved thermal stability of the red-emitting Gd <sup>3+</sup> - Modulated La <sub>2</sub> LiSbO <sub>6</sub> :Eu <sup>3+</sup> phosphors for WLED  | 材料科学          | 河南工程学院   | 张冰                          | 贰等 |
| 685 | Novel Peptide-Polymer Conjugate with pH-Responsive Targeting/Disrupting Effects on Biomembranes  | 化学            | 河南中医药大学  | 王斯佳                         | 贰等 |
| 686 | Construction of 2D/2D TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> nanosheet heterostructures with improved photocatalytic activity   | 化学            | 河南大学     | 朱慧慧,杨小菊,张敏                  | 贰等 |
| 687 | Effect of Ti substitution on structural, magnetic and magnetocaloric properties in double perovskites Gd <sub>2</sub> NiMn <sub>1-x</sub> Ti <sub>x</sub> O <sub>6</sub> (0 ≤ x ≤ 1)       | 凝聚态物理学        | 信阳师范大学   | 李苍龙                         | 贰等 |
| 688 | Selective Removal of Aminoquinoline Auxiliary by IBX Oxidation   | 化学            | 河南师范大学   | 张志国,李祥,万雅蒙,陈弓               | 贰等 |

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| 689 | Application of Biochar in the Remediation of Contaminated Soil with High Concentration of Lead and Zinc   | 环境科学技术及资源科学技术 | 许昌学院       | 赵晓明                              | 贰等 |
| 690 | Phenothiazine dioxide end-capped spiro[fluorene-9,9'-xanthene] as host for efficient blue TADF OLEDs  | 化学            | 信阳师范大学     | 邹国栋                              | 贰等 |
| 691 | Palladium nanoparticles anchored on MXene-based N-doped porous carbon nanosheets as an advanced electrocatalyst for ethanol oxidation                                   | 材料科学          | 河南工业大学     | 姚晨雪                              | 贰等 |
| 692 | A sustainable one-step strategy for highly graphitized capacitive carbons with hierarchical micro-meso-macro porosity   | 化学工程          | 黄河科技学院     | 刘会利                              | 贰等 |
| 693 | Two 8-hydroxyquinoline-based fluorescent chemosensors for ultra-fast and sensitive detection of water content in strong polar organic solvents with large Stokes shifts | 化学            | 周口师范学院     | 王金涛,裴莹莹                          | 贰等 |
| 694 | Syntheses, structures and luminescent properties of two isostructural 3D Cd(II) frameworks based on rigid-flexible hybrid ligands                                       | 化学            | 郑州航空工业管理学院 | 赵兵                               | 贰等 |
| 695 | Screening and identification of HLA-A2-restricted neoepitopes for immunotherapy of non-microsatellite instability-high colorectal cancer                                | 生物学           | 郑州大学       | 时冉冉,李玉冰,冉令,董钰,唐静雯,韩露,王明霜,庞丽薇,吴亚红 | 贰等 |
| 696 | Transcriptomic, proteomic, and physiological studies reveal key players in wheat nitrogen use efficiency under both high and low nitrogen supply                        | 农学            | 河南农业大学     | 孟晓丹,王小纯,张志勇,熊淑萍,韦一昊,郭建彪,张捷,马新明   | 贰等 |
| 697 | Authentication of chaste honey adulterated with high fructose corn syrup by HS-SPME-GC-MS coupled with chemometrics   | 食品科学技术        | 许昌学院       | 魏泉增                              | 贰等 |
| 698 | Temporal and Spatial Variation of Land Surface Temperature and Its Driving Factors in Zhengzhou City in China from 2005 to 2020   | 地球科学          | 河南大学       | 周生辉,刘丹丹,朱梦瑶,唐伟超,池千,叶思宇,徐思琦,崔耀平   | 贰等 |

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| 699 | A highly efficient microextraction technique based on deep eutectic solvent formed by choline chloride and p-cresol for simultaneous determination of lignans in sesame oils                | 食品科学技术 | 河南工业大学, 中国烟草总公司郑州烟草研究院 | 刘伟,张康迪,杨国龙,余晶晶                     | 贰等 |
| 700 | Comprehensive analysis of aflatoxin B1 biosynthesis in <i>Aspergillus flavus</i> via transcriptome-wide m6A methylome response to cycloleucine  | 食品科学技术 | 河南工业大学                 | 吕扬勇,魏闪,雷阳,翟焕趁,张帅兵,胡元森,梁柳柯,王晓燕,兰海儿  | 贰等 |
| 701 | Stoichiometric flexibility and soil bacterial communities respond to nitrogen fertilization and neighbor competition at the early stage of primary succession                               | 林学     | 河南大学                   | 宋蒙亚                                | 贰等 |
| 702 | Research on the influencing factors and multi-scale regulatory pathway of ecosystem health: A case study in the Middle Reaches of the Yellow River, China                                   | 地球科学   | 洛阳师范学院                 | 沈威                                 | 贰等 |
| 703 | Application of the Deep Neural Network in Retrieving the Atmospheric Temperature and Humidity Profiles from the Microwave Humidity and Temperature Sounder Onboard the Feng-Yun-3 Satellite | 地球科学   | 洛阳师范学院                 | 贺秋瑞                                | 贰等 |
| 704 | Catalase (CAT) Gene Family in Wheat ( <i>Triticum aestivum</i> L.): Evolution, Expression Pattern and Function Analysis   | 农学     | 河南农业大学                 | 史勇                                 | 贰等 |
| 705 | Effects of compound feed additive on growth performance and intestinal microbiota of broilers   | 农学     | 河南农业大学                 | 王利军                                | 贰等 |
| 706 | The miRNA-Mediated Post-Transcriptional Regulation of Maize in Response to High Temperature   | 农学     | 河南农业大学                 | 张谋彪,安盼盼,李鸿萍,王秀玲,周金龙,董朋飞,赵亚丽,王群,李潮海 | 贰等 |
| 707 | Comparative population genomics dissects the genetic basis of seven domestication traits in jujube  | 林学     | 洛阳师范学院                 | 郭明欣                                | 贰等 |



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| 708 | Edible fungi efficiently degrade aflatoxin B1 in cereals and improve their nutritional composition by solid-state fermentation   | 食品科学技术  | 河南工业大学                   | 娄海伟,杨创明,李阳,田双起,赵玉,赵仁勇            | 贰等 |
| 709 | Modelling the current and future potential distribution of the bean bug <i>Riptortus pedestris</i> with increasingly serious damage to soybean   | 生物学     | 周口师范学院                   | 杨明生                              | 贰等 |
| 710 | CRISPR/Cas9-Mediated Knockout Reveals the Involvement of CYP304F1 in $\beta$ -Cypermethrin and Chlorpyrifos Resistance in <i>Spodoptera litura</i>   | 农学      | 河南科技学院                   | 徐莉                               | 贰等 |
| 711 | Characterization of a novel nornicotine-degrading strain <i>Mycolicibacterium</i> sp. SMGY-1XX from a nornicotine-degrading consortium and preliminary elucidation of its biodegradation pathway by multi-omics analysis | 农学      | 河南农业大学, 广东省科学院生态环境与土壤研究所 | 党炳俊,贾玮,张晓平,黄耀,黄五星,韩丹,赵凡冲,张雨薇,许自成 | 贰等 |
| 712 | Accurate modeling of vertical leaf nitrogen distribution in summer maize using in situ leaf spectroscopy via CWT and PLS-based approaches  | 农学      | 河南农业大学                   | 林迪,王宜伦                           | 贰等 |
| 713 | Scale-dependent and driving relationships between spatial features and carbon storage and sequestration in an urban park of Zhengzhou, China   | 林学      | 河南农业大学                   | 宋培豪,何瑞珍,葛世栋,田国行                  | 贰等 |
| 714 | Soil carbon supplementation: Improvement of root-surrounding soil bacterial communities, sugar and starch content in tobacco ( <i>N. tabacum</i> )   | 农学      | 河南农业大学                   | 闫伸,任天宝,冯慧琳,徐辰生,云菲,魏跃伟,刘国顺        | 贰等 |
| 715 | Recombination between homoeologous chromosomes induced in durum wheat by the <i>Aegilops speltoides</i> Su1 - Ph1 suppressor   | 农学      | 河南大学                     | 李浩,聂芳                            | 贰等 |
| 716 | First Molecular Detection and Genetic Analysis of a Novel Porcine Circovirus (Porcine Circovirus 4) in Dogs in the World   | 畜牧、兽医科学 | 河南农业大学                   | 马世杰,郑兰兰                          | 贰等 |
| 717 | Ammonium nitrate regulated the color characteristic changes of pigments in <i>Monascus purpureus</i> M9  | 食品科学技术  | 河南工业大学                   | 陈迪                               | 贰等 |
| 718 | Genome analysis and recombination characterization of duck hepatitis B virus isolated from ducks and geese in central China, 2017 to 2019  | 畜牧、兽医科学 | 南阳师范学院                   | 冀君,徐书奇,许鑫                        | 贰等 |

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| 719 | Effect of multiple freezing/thawing cycles on the physicochemical properties and structural characteristics of starch from wheat flours with different gluten strength                                       | 食品科学技术 | 河南工业大学   | 刘玫,梁赢,李利民,郑学玲         | 贰等 |
| 720 | The Role of Reactive Oxygen Species in Plant Response to Radiation   | 农学     | 郑州大学     | 孙昊,谭源涛,段耀科,王蓉,崔轲乔     | 贰等 |
| 721 | Preparation and pyrolysis of two Amadori analogues as flavor precursors  | 食品科学技术 | 河南农业大学   | 李瑞                    | 贰等 |
| 722 | 全长转录组分析揭示艾叶菝葜类生物合成候选基因   | 农学     | 安阳工学院    | 崔宇鹏                   | 贰等 |
| 723 | RNA interference-mediated knockdown of Bombyx mori haemocyte-specific Cathepsin L (Cat L)-like cysteine protease gene increases Bacillus thuringiensis kurstaki toxicity and reproduction in insect cadavers | 农学     | 南阳师范学院   | 李丹丹,Camilo Ayra Pardo | 贰等 |
| 724 | Polystyrene microplastics protect lettuce ( <i>Lactuca sativa</i> ) from the hazardous effects of Cu(OH) <sub>2</sub> nanopesticides   | 生物学    | 南阳师范学院   | 闫冠杰                   | 贰等 |
| 725 | Quantification and identification analysis of <i>Ziziphus jujuba</i> Mill. peel pigmentation at different developmental stages   | 生物学    | 洛阳师范学院   | 刘红霞                   | 贰等 |
| 726 | Plant organ- and growth stage-diversity of endophytic bacteria with potential as biofertilisers isolated from wheat ( <i>Triticum aestivum</i> L.)   | 农学     | 南阳师范学院   | 庞发虎,陶爱丽,黄思良           | 贰等 |
| 727 | Soundscape evaluation and construction strategy of park road   | 林学     | 华北水利水电大学 | 范钦栋,贺钰洁,李虎            | 贰等 |
| 728 | Rice-produced classical swine fever virus glycoprotein E2 with herringbone-dimer design to enhance immune responses  | 农学     | 河南农业大学   | 张二芹,许倩茹               | 贰等 |
| 729 | Synergistic antibacterial activity of tetrandrine combined with colistin against MCR-mediated colistin-resistant <i>Salmonella</i>   | 农学     | 河南农业大学   | 翟亚军,胡功政               | 贰等 |
| 730 | Is nanocellulose a good substitute for non-renewable raw materials? A comprehensive review of the state of the art, preparations, and industrial applications  | 食品科学技术 | 洛阳师范学院   | 姬青华                   | 贰等 |

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| 731 | Noble Metal Nanomaterials for the Diagnosis and Treatment of Hematological Malignancies  | 生物化学    | 中原工学院            | 黄鑫, Hasan Md Mahmudul, 李增贝, 邓欣洁, 苏小舟, 肖忠卿, 赵凌云, 刘婷, 李宏云 | 贰等 |
| 732 | What role does pyroptosis play in microbial infection?   | 生物学     | 河南科技学院           | 夏小静, 王鑫, 郑义, 姜金庆, 胡建和                                   | 贰等 |
| 733 | Structure – activity relationship between gluten and dough quality of sprouted wheat flour based on air classification – induced component recombination | 食品科学技术  | 河南工业大学           | 郭嘉, 齐笑笑, 温纪平  | 贰等 |
| 734 | Phylogenetic analysis of porcine circovirus 4 in Henan Province of China: A retrospective study from 2011 to 2021  | 畜牧、兽医科学 | 河南农业大学, 河南牧业经济学院 | 侯承尧, 张刘辉, 张远航, 崔建涛, 赵丽, 陈红英                             | 贰等 |
| 735 | The African swine fever virus I10L protein inhibits the NF- $\kappa$ B signaling pathway by targeting IKK $\beta$  | 畜牧、兽医科学 | 河南农业大学           | 万博  | 贰等 |
| 736 | CC chemokine ligand 19 might act as the main bursal T cell chemoattractant factor during IBDV infection  | 畜牧、兽医科学 | 河南科技学院           | 王秋霞, 魏小兵, 余燕, 张艳红, 刘兴友                                  | 贰等 |
| 737 | Organic-rich siliceous rocks in the upper Permian Dalong Formation (NW middle Yangtze): Provenance, paleoclimate and paleoenvironment                    | 地球科学    | 河南理工大学           | 吴伟, 刘惟庆   | 贰等 |
| 738 | Genome-wide investigation of defensin genes in peanut ( <i>Arachis hypogaea</i> L.) reveals AhDef2.2 conferring resistance to bacterial wilt             | 农学      | 河南农业大学           | 赵凯, 任锐, 马兴立, 李忠峰, 张幸果                                   | 贰等 |
| 739 | Experimental study of gas–water two–phase flow patterns in fracture: Implication for enhancing coalbed methane production                                | 地球科学    | 河南理工大学           | 王乾  | 贰等 |
| 740 | Effects of pH and incubation temperature on properties of konjac glucomannan and zein composites with or without freeze–thaw                             | 食品科学技术  | 河南工业大学           | 来睿, 刘洁, 刘亚伟   | 贰等 |

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| 741 | Conjugated Polyamines in Root Plasma Membrane Enhanced the Tolerance of Plum Seedling to Osmotic Stress by Stabilizing Membrane Structure and Therefore Elevating H <sup>+</sup> -ATPase Activity | 农学      | 周口师范学院                 | 杜红阳,陈本学,刘怀攀               | 贰等 |
| 742 | T-2 toxin metabolism and its hepatotoxicity: New insights on the molecular mechanism and detoxification   | 畜牧、兽医科学 | 河南农业大学                 | 杨旭                        | 贰等 |
| 743 | Locating, tracing and sequencing multiple expanded genetic letters in complex DNA context via a bridge-base approach  | 生物化学    | 河南师范大学, 中国科学院深圳先进技术研究院 | 王红磊,王超,李晓焕,王璐莹,梅辉,朱安莲,张贵生 | 贰等 |
| 744 | Compound mycotoxin detoxifier alleviating aflatoxin B1 toxic effects on broiler growth performance, organ damage and gut microbiota   | 畜牧、兽医科学 | 黄淮学院                   | 郭红伟,刘超齐                   | 贰等 |
| 745 | Baseline pydiflumetofen sensitivity of <i>Fusarium pseudograminearum</i> isolates collected from Henan, China, and potential resistance mechanisms  | 农学      | 河南科技学院                 | 周锋,刘润强,夏志豪,段思童,崔叶贤        | 贰等 |
| 746 | Effect of different producing methods on physicochemical and fermentation properties of refrigerated dough  | 食品科学技术  | 河南工业大学                 | 谢东东                       | 贰等 |
| 747 | Altitudinal variation in? body size in? <i>Bufo minshanicus</i> supports Bergmann' s rule   | 生物学     | 信阳师范大学                 | 于同雷                       | 贰等 |
| 748 | Genome-wide identification of ETHYLENE INSENSITIVE 2 in Triticeae species reveals that TaEIN2-4D.1 regulates cadmium tolerance in <i>Triticum aestivum</i>  | 农学      | 河南科技学院                 | 于永昂                       | 贰等 |
| 749 | Hybrid IncFIA/FIB/FIC(FII) plasmid co-carrying bla <sub>NDM-5</sub> and fosA3 from an <i>Escherichia coli</i> ST117 strain of retail chicken  | 畜牧、兽医科学 | 河南农业大学                 | 赵文博,李文君,杜向党,姚红            | 贰等 |
| 750 | A hybrid positive unlabeled learning framework for uncovering scaffolds across human proteome by measuring the propensity to drive phase separation   | 生物学     | 郑州大学                   | 郭亚萍                       | 贰等 |
| 751 | The F-box protein OsEBF2 confers the resistance to the brown planthopper ( <i>Nilaparvata lugens</i> St? l)   | 农学      | 周口师范学院                 | 马飞龙                       | 贰等 |

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| 752 | Understanding and extending the geographical detector model under a linear regression framework   | 地球科学    | 河南大学                | 董冠鹏,杨东阳,刘勇                     | 贰等 |
| 753 | Engineering a BsBDHA substrate-binding pocket entrance for the improvement in catalytic performance toward (R)-phenyl-1,2-ethanediol based on the computer-aided design       | 生物化学    | 许昌学院                | 胡博淳                            | 贰等 |
| 754 | Fluoride exposure disrupts the cytoskeletal arrangement and ATP synthesis of HT-22 cell by activating the RhoA/ROCK signaling pathway   | 畜牧、兽医科学 | 河南科技学院              | 陈玲丽,贾鹏欢,柳玉液,王睿,尹志红,胡东方,宁红梅,葛亚明 | 贰等 |
| 755 | Effects of Biogas Slurry on Crop Yield, Physicochemical Properties and Aggregation Characteristics of Lime Concretion Soil in Wheat - Maize Rotation in the North China Plain | 农学      | 河南科技学院              | 唐蛟                             | 贰等 |
| 756 | Nondestructive prediction of fertilization status and growth indicators of hatching eggs based on respiration   | 畜牧、兽医科学 | 周口师范学院              | 王娇娇,曹芮                         | 贰等 |
| 757 | 基于Fe <sub>3</sub> O <sub>4</sub> @C/[BSMIM]HSO <sub>4</sub> /GCE传感器检测铅离子  | 食品科学技术  | 洛阳职业技术学院,长垣烹饪职业技术学院 | 刘晓伟,王伟浩,顾援农,王静静                | 贰等 |
| 758 | Extraction optimization and quality evaluation of humic acids from lignite using the cell-free filtrate of <i>Penicillium ortum</i> MJ51                                      | 农学      | 河南农业大学              | 李世莹,谭金芳,王祎,李培培,李芳,韩燕来          | 贰等 |
| 759 | 利用全长转录本优化柞蚕基因组注释  | 生物学     | 南阳师范学院              | 李莹,段建平                         | 贰等 |
| 760 | ShORR-1, a novel tomato gene, confers enhanced host resistance to <i>Oidium neolycopersici</i>  | 农学      | 周口师范学院              | 张怡                             | 贰等 |
| 761 | Red-grouper nervous necrosis virus B1 protein inhibits fish IFN response by targeting Ser5-phosphorylated RNA polymerase II to promote viral replication                      | 水产学     | 南阳师范学院              | 秦英惠                            | 贰等 |
| 762 | Role of rodents in the zoonotic transmission of giardiasis  | 畜牧、兽医科学 | 河南农业大学              | 李俊强                            | 贰等 |

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| 763 | Thermostable $\beta$ -xylosidase from <i>Aspergillus fumigatus</i> : Purification, characterization and potential application in lignocellulose bioethanol production               | 生物学     | 河南农业大学                 | 金显春,宋嘉宁,马江山,刘高强          | 贰等 |
| 764 | Effects of Lactic Acid Bacteria Reducing the Content of Harmful Fungi and Mycotoxins on the Quality of Mixed Fermented Feed   | 农学      | 郑州大学                   | 谈重芳,关毅飞,陈骏               | 贰等 |
| 765 | The COMPASS Complex Regulates Fungal Development and Virulence through Histone Crosstalk in the Fungal Pathogen <i>Cryptococcus neoformans</i>                                      | 畜牧、兽医科学 | 河南农业大学                 | 张晶                       | 贰等 |
| 766 | A spatial exploring model for urban land ecological security based on a modified artificial bee colony algorithm  | 地球科学    | 河南大学                   | 王海鹰,秦奋                   | 贰等 |
| 767 | A Novel Spectral Index for Automatic Canola Mapping by Using Sentinel-2 Imagery   | 地球科学    | 河南大学                   | 田海峰,陈婷,李强子,梅秋怡,王帅        | 贰等 |
| 768 | Risk assessment of mycotoxins, the identification and environmental influence on toxin-producing ability of <i>Alternaria alternata</i> in the main Tibetan Plateau Triticeae crops | 农学      | 南阳理工学院                 | 王军,姚婷                    | 贰等 |
| 769 | 经济新常态下河南省产业结构与水资源耦合协调发展研究   | 地球科学    | 安阳师范学院                 | 焦士兴,王安周,张馨歆              | 贰等 |
| 770 | Seminal plasma metabolomics analysis of differences in liquid preservation ability of boar sperm  | 农学      | 河南农业大学                 | 宋承磊,常乐彬,王冰洁,张哲,韦怡林,韩雪蕾   | 贰等 |
| 771 | Photoreceptive reaction spectrum effect and phototactic activity intensity of locusts' visual display characteristics stimulated by spectral light                                  | 农学      | 河南科技学院,河南省农业科学院植物保护研究所 | 刘启航,蒋月丽,苗进,巩中军,李彤,段云,武予清 | 贰等 |
| 772 | Microbial community and fermentation characteristic of whole-crop wheat silage treated by lactic acid bacteria and <i>Artemisia argyi</i> during ensiling and aerobic exposure.     | 畜牧、兽医科学 | 郑州大学                   | 王珍玉,庞会利                  | 贰等 |

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| 773 | Combined transcriptome and metabolome analysis reveals the effects of light quality on maize hybrids   | 农学      | 河南农业大学 | 张艳培                | 贰等 |
| 774 | Genome-wide identification of PIP5K in wheat and its relationship with anther male sterility induced by high temperature   | 农学      | 周口师范学院 | 刘红占                | 贰等 |
| 775 | Rhipicephalus (Boophilus) microplus ticks as reservoir and vector of 'Candidatus Mycoplasma haemobos' in China   | 畜牧、兽医科学 | 南阳师范学院 | 史鸿飞,胡云             | 贰等 |
| 776 | SlbHLH152, a bHLH transcription factor positively regulates iron homeostasis in tomato   | 生物学     | 周口师范学院 | 李晓丽                | 贰等 |
| 777 | Piperazine-Coumarin based fluorescence probe with enhanced brightness and solubility for bio-thiol detection and esophageal carcinoma diagnosis  | 生物化学    | 安阳师范学院 | 马军岩                | 贰等 |
| 778 | Physiological and transcriptional studies reveal Cr(VI) reduction mechanisms in the exoelectrogen Cellulomonas fimi Clb-11   | 生物学     | 黄淮学院   | 曹连宾,孙红梅            | 贰等 |
| 779 | Screening and Stability Analysis of Reference Genes for Gene Expression Normalization in Hybrid Yellow Catfish ( <i>Pelteobagrus fulvidraco</i> ♀ × <i>Pelteobagrus vachelli</i> ♂) Fed Diets Containing Different Soybean Meal Levels | 水产学     | 河南农业大学 | 于光晴,刘变枝            | 贰等 |
| 780 | ResNetKhib: a novel cell type-specific tool for predicting lysine 2-hydroxyisobutylation sites via transfer learning   | 农学      | 河南农业大学 | 陈震,李俊周,豆根生,苗春波     | 贰等 |
| 781 | Spatiotemporal variation of the ecosystem service value in China based on surface area   | 地球科学    | 河南农业大学 | 银超慧,陈伟强,毕庆生        | 贰等 |
| 782 | Effects of five host plant species on the life history and population growth parameters of <i>Myzus persicae</i> (Hemiptera: Aphididae)  | 农学      | 信阳农林学院 | 洪枫                 | 贰等 |
| 783 | Green synthesis of 2-trifluoromethyl quinoline derivatives under metal-free conditions and their antifungal properties   | 农学      | 河南农业大学 | 樊良鑫,何方雨            | 贰等 |
| 784 | Differential growth responses of <i>Alternanthera philoxeroides</i> as affected by submergence depths  | 生物学     | 黄淮学院   | 荆书芳,牛汉刚,林锋,万彬娜,任心怡 | 贰等 |

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| 785 | Detection of soybean-derived components in dairy products using proofreading enzyme-mediated probe cleavage coupled with ladder-shape melting temperature isothermal amplification (Proofman-LMTIA) | 食品科学技术  | 许昌学院   | 肖付刚,谷蒙林,张尧轩,郑尧天        | 贰等 |
| 786 | Insight of Synergistic Effect between CPP and Cargo on the Facilitation Mechanisms of R7-PTX Translocation: Experiments and Molecular Simulations   | 生物化学    | 南阳师范学院 | 韦宇平,张曼,徐霞              | 贰等 |
| 787 | Leaf Spot Disease on <i>Euonymus japonicas</i> Caused by <i>Nigrospora oryzae</i> in China  | 生物学     | 南阳师范学院 | 徐广伶,杨天天,田风霞,王坦         | 贰等 |
| 788 | Design, synthesis, and antifungal activities of novel pyrazole-4-carboxamide derivatives containing an ether group as potential succinate dehydrogenase inhibitors.                                 | 农学      | 信阳师范大学 | 罗波                     | 贰等 |
| 789 | A high-accuracy vegetation restoration potential mapping model integrating similar habitat and machine learning   | 地球科学    | 河南大学   | 孟晓于                    | 贰等 |
| 790 | Spatial variation and driving mechanism of soil organic carbon components in the alluvial/sedimentary zone of the Yellow River  | 地球科学    | 河南大学   | 李国栋,田惠文,任晓娟            | 贰等 |
| 791 | Influence of gardenia yellow on in vitro slow starch digestion and its action mechanism   | 农学      | 河南工业大学 | 朱晓艾,任顺成,万毅,刘泽龙,赵文红,王申丽 | 贰等 |
| 792 | Analysis of miRNA expression changes in bovine endometrial stromal cells treated with lipopolysaccharide  | 畜牧、兽医科学 | 河南农业大学 | 童超,王新庄                 | 贰等 |
| 793 | Replacement of Maize Silage and Soyabean Meal with Mulberry Silage in the Diet of Hu Lambs on Growth, Gastrointestinal Tissue Morphology, Rumen Fermentation Parameters and Microbial Diversity     | 农学      | 河南农业大学 | 张立阳,苏传友,廉红霞            | 贰等 |
| 794 | Normal diet ameliorates obesity more safely and effectively than ketogenic diet does in high-fat diet-induced obesity mouse based on gut microbiota and lipid metabolism                            | 生物学     | 郑州大学   | 董云龙,崔振伟                | 贰等 |



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| 795 | Increased Lactobacillus Abundance Contributes to Stress Resilience in Mice Exposed to Chronic Social Defeat Stress   | 生物学     | 南阳师范学院         | 李来福,邹华威,宋柏林,王艳,姜依,李姿霖 | 贰等 |
| 796 | PEG/PEI functionalized single-walled carbon nanotubes as delivery carriers for doxorubicin: synthesis, characterization, and in vitro  | 生物学     | 河南工业大学         | 杨硕晔                   | 贰等 |
| 797 | Extraction process optimization of essential oil from <i>Melissa officinalis</i> L. using a new ultrasound-microwave hybrid-assisted Clevenger hydrodistillation                     | 农学      | 南阳师范学院         | 叶如梦,田锴                | 贰等 |
| 798 | Nano-selenium Supplementation Increases Selenoprotein (Sel) Gene Expression Profiles and Milk Selenium Concentration in Lactating Dairy Cows   | 畜牧、兽医科学 | 河南农业大学, 信阳农林学院 | 韩立强,庞坤,付彤,高腾云         | 贰等 |
| 799 | Application of EH4 Electromagnetic Imaging System in Goat detection  | 地球科学    | 河南工业和信息化职业学院   | 许江涛                   | 贰等 |
| 800 | Immune Molecules' mRNA Expression in Porcine Alveolar Macrophages Co-Infected with Porcine Reproductive and Respiratory Syndrome Virus and Porcine Circovirus Type 2                 | 畜牧、兽医科学 | 河南农业大学         | 张宜娜                   | 贰等 |
| 801 | Preparation and epitope mapping of monoclonal antibodies against African swine fever virus p22 protein   | 畜牧、兽医科学 | 河南农业大学         | 何文瑞                   | 贰等 |
| 802 | The structure of exopolyphosphatase (PPX) from <i>Porphyromonas gingivalis</i> in complex with substrate analogs and magnesium ions reveals the basis for polyphosphate processivity | 生物学     | 许昌学院           | 张爱莉,卢作焜               | 贰等 |
| 803 | Identification and characterization of cotton PHYTOCHROME-INTERACTING FACTORS in temperature-dependent flowering   | 农学      | 河南大学           | 刘凌云,贾明珠,王胜楠,江静        | 贰等 |
| 804 | A Novel Linear B-Cell Epitope on the P54 Protein of African Swine Fever Virus Identified Using Monoclonal Antibodies   | 畜牧、兽医科学 | 河南农业大学         | 杜永坤                   | 贰等 |

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| 805 | Total Flavonoids of Rhizoma Drynariae Mitigates Aflatoxin B1-Induced Liver Toxicity in Chickens via Microbiota-Gut-Liver Axis Interaction Mechanisms                         | 畜牧、兽医科学 | 河南农业大学      | 黄淑成,林露茜,王世琼,丁文丽,张朝栋,徐博文,岳珂                       | 贰等 |
| 806 | Identification of ORF1B as a unique nonstructural protein for fowl adenovirus serotype 4   | 畜牧、兽医科学 | 河南农业大学      | 王增   | 贰等 |
| 807 | Magnolol-loaded cholesteryl biguanide conjugate hydrochloride nanoparticles for triple-negative breast cancer therapy  | 中医学与中药学 | 郑州大学,郑州人民医院 | 王艳芝,孙灿灿,郑甲信,刘宏民                                  | 贰等 |
| 808 | Heparanase confers temozolomide resistance by regulation of exosome secretion and circular RNA composition in glioma   | 临床医学    | 郑州大学        | 司金超,李蔚,李昕  | 贰等 |
| 809 | Metabolomics and its Applications in Cancer Cachexia   | 基础医学    | 许昌学院        | 崔鹏飞  | 贰等 |
| 810 | DpdtpA, A Multi-metal Ion Chelator, Attenuates Tau Phosphorylation and Microglial Inflammatory Response via Regulating the PI3K/AKT/GSK-3 $\beta$ Signal Pathways            | 基础医学    | 新乡医学院       | 王璐,魏迎娟,孙振州,尹雅玲                                   | 贰等 |
| 811 | Abdominal drainage to prevent intra-peritoneal abscess after appendectomy for complicated appendicitis ( Review )  | 临床医学    | 郑州大学        | 李珠银,邓毅磊  | 贰等 |
| 812 | The Influence of prior arthroscopy on outcomes of primary total lower extremity arthroplasty: A systematic review and meta-analysis  | 临床医学    | 郑州大学        | 刘秋亮,段海涛,汪奇,张辉,史龙彦                                | 贰等 |
| 813 | Hypoxia exacerbates cardiomyocyte injury via upregulation of Wnt3a and inhibition of Sirt3   | 基础医学    | 河南大学        | 李彦明,程思雅,朱胜男                                      | 贰等 |
| 814 | Unbiased Single-Cell Sequencing of Hematopoietic and Immune Cells from Aplastic Anemia Reveals the Contributors of Hematopoiesis Failure and Dysfunctional Immune Regulation | 临床医学    | 郑州大学        | 郭荣群,孔婧婧,汤平,王书亚,桑丽娜,刘柳,郭荣,颜可泰,齐默初,边志磊,宋永平,姜中兴,李英梅 | 贰等 |
| 815 | Micro-Executor of Natural Products in Metabolic Diseases   | 中医学与中药学 | 许昌学院        | 刘金鑫  | 贰等 |

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| 816 | An ischemia-homing bioengineered nano-scavenger for specifically alleviating multiple pathogeneses in ischemic stroke  | 临床医学    | 郑州大学     | 段冉冉,孙科,方芳,和儒雅,景黎君,李燕飞,龚哲,姚要兵,张金凤,贾延劫       | 贰等 |
| 817 | ADD1 Single Nucleotide Polymorphisms Are Associated With Essential Hypertension Among Han and Mongolian Population in Inner Mongolia Area  | 基础医学    | 洛阳职业技术学院 | 张沂   | 贰等 |
| 818 | Enhanced bone regeneration using poly(trimethylene carbonate)/vancomycin hydrochloride porous microsphere scaffolds in presence of the silane coupling agent modified hydroxyapatite nanoparticles | 基础医学    | 河南科技大学   | 贺剑,梁高峰                                     | 贰等 |
| 819 | Thioridazine reverses trastuzumab resistance in gastric cancer by inhibiting S-phase kinase associated protein 2-mediated aerobic  | 基础医学    | 河南大学     | 杨争艳,任志广                                    | 贰等 |
| 820 | Simvastatin Improves Behavioral Disorders and Hippocampal Inflammatory Reaction by NMDA-Mediated Anti-inflammatory Function in MPTP-Treated Mice   | 临床医学    | 河南科技大学   | 闫俊强,刘安然,范华,乔靓,吴剑男,申蒙蒙,赖晓艺,黄家瑞              | 贰等 |
| 821 | Engineering Multifunctional Thylakoid as an Oxygen Self-Supplying Photosensitizer for Esophageal Squamous Cell Carcinoma-Targeted Photodynamic Therapy   | 基础医学    | 郑州大学     | 祁迎秋,江冰,聂广军,闵欢                              | 贰等 |
| 822 | Two new iridoid glycosides from Gardeniae Fructus  | 中医学与中药学 | 许昌学院     | 舒朋华,喻梦竹,朱会晴,罗跃辉,李亚敏,李念慈,张慧,张家龙,刘光伟,魏夏兰,易文翰 | 贰等 |
| 823 | Jinhua Qinggan granules attenuates acute lung injury by promotion of neutrophil apoptosis and inhibition of TLR4/MyD88/NF- $\kappa$ B pathway  | 中医学与中药学 | 河南中医药大学  | 朱艳慧,韩倩倩,王磊,王白燕,祝侠丽,刘富岗,韩德恩,董浩然,贾永艳,刘雅琳     | 贰等 |

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| 824 | HNR/NPK/CLCN3 axis facilitates the progression of LUAD through CAF-tumor interaction  | 临床医学 | 郑州大学  | 李一鑫  | 贰等 |
| 825 | Gut microbiota and its metabolites – molecular mechanisms and management strategies in diabetic kidney disease  | 临床医学 | 郑州大学  | 毛子慧,高钟秀子,吴鹏                                | 贰等 |
| 826 | Trichostatin A promotes esophageal squamous cell carcinoma cell migration and EMT through BRD4/ERK1/2-dependent pathway   | 临床医学 | 新乡医学院 | 刘丹辉,刘玉珍,齐博,谷城威,霍书华,赵宝生                     | 贰等 |
| 827 | Screening tumor stage-specific candidate neoantigens in thyroid adenocarcinoma using integrated exome and transcriptome sequencing  | 基础医学 | 郑州大学  | 贾劭,梁佳雯,李竹瑶,秦晔,李仟千,王俭伟,卢秀波                  | 贰等 |
| 828 | Proteomics-based evaluation of the mechanism underlying vascular injury via DNA interstrand crosslinks, glutathione perturbation, mitogen-activated protein kinase, and Wnt and ErbB signaling pathways induced by crotonaldehyde | 基础医学 | 新乡医学院 | 谢明章,刘俊丽,郜庆祖,薄德映,汪磊,周晓春,赵萌萌,张玉超,张毓静,赵国安,焦路阳 | 贰等 |
| 829 | A Metagenome-Wide Association Study of the Gut Microbiome and Metabolic Syndrome  | 临床医学 | 郑州大学  | 秦迁   | 贰等 |
| 830 | Genetic surveillance of five SARS-CoV-2 clinical samples in Henan province using Nanopore sequencing  | 临床医学 | 郑州大学  | 王亚楠,陈铎,朱朝锋,赵振华,郜珊珊,苟建军,郭永军,孔祥东             | 贰等 |
| 831 | Exploring polypharmacy burden among elderly patients with chronic diseases in Chinese community: a cross-sectional study  | 临床医学 | 郑州大学  | 张振香  | 贰等 |
| 832 | Overexpression of CBX2 in breast cancer promotes tumor progression through the PI3K/AKT signaling pathway   | 临床医学 | 郑州大学  | 郑世鹏,吕培华,苏静,许瀚,李孟圜                          | 贰等 |

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| 833 | A critical role of the transient receptor potential melastatin 2 channel in a positive feedback mechanism for reactive oxygen species - induced delayed cell death | 基础医学     | 新乡医学院             | 江林华           | 贰等 |
| 834 | Ginsenoside Rb1 Alleviates Lipopolysaccharide-Induced Inflammatory Injury by Downregulating miR-222 in WI-38 Cells   | 临床医学     | 郑州大学              | 魏二虎           | 贰等 |
| 835 | Mesenchymal stem cells-derived exosomes prevent sepsis-induced myocardial injury by a CircRTN4/miR-497-5p/MG53 pathway   | 基础医学     | 郑州铁路职业技术学院        | 李江,姜锐,侯园园,林爱琴 | 贰等 |
| 836 | 前瞻性随机对照分析加味脱花煎联合宫腔镜治疗流产不全疗效及对血清性激素、VEGFR水平影响   | 中医学与中药学  | 河南中医药大学           | 李潇            | 贰等 |
| 837 | The immune landscape and prognostic immune key genes potentially involved in modulating synaptic functions in prostate cancer                                      | 基础医学     | 郑州大学              | 朱沙,韩续,乔宪丽,陈圣先 | 贰等 |
| 838 | The antidepressant-like effect of formononetin on chronic corticosterone-treated mice  | 中医学与中药学  | 河南中医药大学           | 栗俞程           | 贰等 |
| 839 | 尼古丁依赖对中国河南省大学生心肺耐力和身体活动的影响   | 预防医学与卫生学 | 安阳师范学院            | 郭宇刚           | 贰等 |
| 840 | BP神经网络和决策树分析在重症手足口病临床早期预警指标中的应用  | 预防医学与卫生学 | 河南中医药大学           | 马晓梅,徐学琴       | 贰等 |
| 841 | Naringenin attenuates experimental autoimmune encephalomyelitis by protecting the intact of blood-brain barrier and controlling inflammatory cell migration        | 预防医学与卫生学 | 河南大学              | 牛新利           | 贰等 |
| 842 | 电针神庭、百会穴对脑缺血再灌注大鼠学习记忆能力及自噬相关蛋白表达的影响  | 中医学与中药学  | 河南中医药大学           | 黄金,刘仁超        | 贰等 |
| 843 | LncRNA ELFN1-AS1 promotes esophageal cancer progression by up-regulating GFPT1 via sponging miR-183-3p   | 基础医学     | 郑州大学,郑州大学附属郑州中心医院 | 张春艳,尹宁伟       | 贰等 |

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| 844 | Mechanism of vitamin B6 benzoyl hydrazone platinum(II) complexes overcomes multidrug resistance in lung cancer   | 基础医学    | 平顶山学院          | 齐金旭,郑云云,李彬,李玖零,徐祥祥,赵世如 | 贰等 |
| 845 | Broadening horizons: the multifaceted functions of ferroptosis in kidney diseases  | 临床医学    | 郑州大学           | 冯其,乔颖进,潘少康             | 贰等 |
| 846 | 基于HPLC-ABTS-DAD-Q-TOF/MS的黄芩抗氧化活性成分研究   | 中医学与中药学 | 南阳医学高等专科学校     | 王宇卿,李淑娇                | 贰等 |
| 847 | Structure elucidation of linear triquinane sesquiterpenoids, hirsutuminoids A-Q, from the fungus Stereum hirsutum and their activities   | 中医学与中药学 | 河南中医药大学        | 赵珍珠,赵璇,司盈盈             | 贰等 |
| 848 | Health-Related Quality of Life and Its Related Factors in Survivors of Stroke in Rural China: A Large-Scale Cross-Sectional Study  | 临床医学    | 郑州大学           | 梅永霞                    | 贰等 |
| 849 | 龟龄帕安丸对帕金森病大鼠中脑黑质病理、Beclin1、P62及LC3 II 影响的研究  | 中医学与中药学 | 河南中医药大学,栾川县中医院 | 常学辉,张良芝,李天佛            | 贰等 |
| 850 | Physical therapy as a promising treatment for osteoarthritis: A narrative review   | 临床医学    | 安阳师范学院         | 王玮,牛永刚,贾清秀             | 贰等 |
| 851 | Therapeutic potential of alkaloid extract from Codonopsis Radix in alleviating hepatic lipid accumulation: insights into mitochondrial energy metabolism and endoplasmic reticulum stress regulation in NAFLD mice | 中医学与中药学 | 平顶山学院          | 樊彩连                    | 贰等 |
| 852 | 基于AMH/AMHR II 信号通路探讨消囊调经汤治疗PCOS-IR模型大鼠的作用机制  | 中医学与中药学 | 河南中医药大学        | 周艳艳                    | 贰等 |
| 853 | Development and validation of diagnostic models for immunoglobulin A nephropathy based on gut microbes   | 临床医学    | 郑州大学           | 董奕君,尚进                 | 贰等 |

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| 854 | 卡培他滨片在中国肿瘤患者的群体药代动力学研究  | 临床医学     | 河南中医药大学,首都医科大学附属北京安定医院,暨南大学        | 徐国防,张思森,刘平,梅家转,刘玮玮,阮灿军,齐琦         | 贰等 |
| 855 | Baihui (DU20), Shenmen (HT7) and Sanyinjiao (SP6) target the cAMP/CREB/BDNF and PI3K/Akt pathways to reduce central nervous system apoptosis in rats with insomnia                                      | 中医学与中药学  | 河南中医药大学                            | 曹方,徐炎,张敏,李晓辉,陈奕臻,智沐君              | 贰等 |
| 856 | Elevated preoperative platelet to lymphocyte ratio predicts poor prognosis of patients with primary gastrointestinal stromal tumor  | 临床医学     | 郑州大学                               | 常伟龙                               | 贰等 |
| 857 | 47例前牙根管再治疗病例分析  | 临床医学     | 河南大学                               | 苑艺芳                               | 贰等 |
| 858 | Dietary natural astaxanthin at an early stage inhibits N-nitrosomethylbenzylamine-induced esophageal cancer oxidative stress and inflammation via downregulation of NF $\kappa$ B and COX2 in F344 rats | 预防医学与卫生学 | 郑州大学                               | 崔玲玲,徐凡,王旻凯,李莉,乔天羲,崔晗,李中雷          | 贰等 |
| 859 | 补肾活血方对抗磷脂综合征小鼠母胎界面VEGF、HIF-1 $\alpha$ 、TGF- $\beta$ 、sflt-1蛋白表达影响研究   | 中医学与中药学  | 河南中医药大学                            | 韩永梅,刘蔚霞,肖惠冬子,卫爱武                  | 贰等 |
| 860 | Optimized Convolutional Neural Network Recognition for Athletes' Pneumonia Image Based on Attention Mechanism   | 临床医学     | 河南师范大学                             | 张辉                                | 贰等 |
| 861 | Kai-Xin-San Improves Cognitive Impairment via Wnt/ $\beta$ -Catenin and IRE1/XBP1s Signalings in APP/PS1 Mice   | 中医学与中药学  | 河南中医药大学,广州医科大学附属中医医院,广州中医药大学第二附属医院 | 许玉珉,路芳梅,徐红彩,张杰,黑赏艳,丘宇慧,蔡业峰,章时杰,赵敏 | 贰等 |
| 862 | Correlation between pre-treatment serum carcinoembryonic antigen levels and genotypes in a large population of Chinese people with advanced lung adenocarcinoma   | 临床医学     | 郑州大学                               | 刘杰,胡秀峰                            | 贰等 |

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| 863 | 新型H7N9禽流感病毒NA蛋白胞外区片段的生物信息学分析及其多克隆抗体制备   | 基础医学     | 新乡学院       | 仇书兴,殷星                        | 贰等 |
| 864 | Key Genes Involved in Diabetic Nephropathy Investigated by Microarray Analysis  | 预防医学与卫生学 | 郑州大学       | 刘欣欣,李新强                       | 贰等 |
| 865 | 基于p38MAPK/NF- $\kappa$ B信号通路探讨麻黄-苦杏仁药对治疗支气管哮喘大鼠的机制  | 中医学与中药学  | 河南中医药大学    | 刘永生,王金菊,孟泳,房琨,姜素丽             | 贰等 |
| 866 | Construction of the Interaction Network of Hub Genes in the Progression of Barrett's Esophagus to Esophageal Adenocarcinoma   | 基础医学     | 南阳理工学院     | 李凯                            | 贰等 |
| 867 | 螺旋断层放疗在上下两段全身照射衔接处的剂量分布研究   | 临床医学     | 郑州大学       | 王海洋,刘俊启,皮一飞,刘琦,米阳,杨想想,郭跃信,樊锐太 | 贰等 |
| 868 | Structures and Biological Activities of Secondary Metabolites from the Trichoderma genus (Covering 2018 - 2022)   | 中医学与中药学  | 黄河科技学院     | 郭庆丰                           | 贰等 |
| 869 | 脱细胞基质与脂肪干细胞构建兔耳软骨的研究  | 临床医学     | 郑州大学       | 王璐,任曼曼,简玉洛,孟宝玺,马富廉,王皖军,郭淑英    | 贰等 |
| 870 | Genomic Profiling of WRKY Transcription Factors and Functional Analysis of CcWRKY7, CcWRKY29, and CcWRKY32 Related to Protoberberine Alkaloids Biosynthesis in Coptis chinensis Franch. | 中医学与中药学  | 黄河科技学院     | 赵万里                           | 贰等 |
| 871 | Dynamic covalent hydrogel of natural product baicalin with antibacterial activities   | 中医学与中药学  | 河南中医药大学    | 王真真,王国强,贺红娟                   | 贰等 |
| 872 | 天南星化学成分及生物活性研究进展  | 中医学与中药学  | 许昌学院       | 孙娜                            | 贰等 |
| 873 | 运用张锡纯脑神学说治疗老年性痴呆经验  | 中医学与中药学  | 南阳医学高等专科学校 | 陈吉全                           | 贰等 |
| 874 | Gene Signatures and Prognostic Values of m6A RNA Methylation Regulators in Ovarian Cancer.  | 临床医学     | 郑州大学       | 韩笑,崔世红                        | 贰等 |



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| 875 | 龈沟液IL-6和TNF- $\alpha$ 与孕妇牙周炎严重程度的关系及机制分析   | 临床医学     | 河南大学                          | 苏娟娟,张文玲                  | 贰等 |
| 876 | 老年慢性病共病患者多重用药管理分析与评论   | 预防医学与卫生学 | 郑州大学                          | 张春慧,潘婉玉,翟清华,王少阳          | 贰等 |
| 877 | 针刺支沟穴前后健康人脑内以LPCG、RPCG为种子点功能连接网络时变效应的差异  | 中医学与中药学  | 河南中医药大学,解放军战略支援部队信息工程大学       | 韩红艳,段晓菡,王柯柯,王文献,张驰,高辉    | 贰等 |
| 878 | 丹参水溶性提取物丹参酚酸B的制备及应用  | 基础医学     | 郑州铁路职业技术学院,河南润弘制药股份有限公司       | 陈萍萍,许全升,赵丽娜              | 贰等 |
| 879 | Energy harvesting analysis of wearable thermoelectric generators integrated with human skin  | 能源科学技术   | 河南城建学院                        | 庞丹丹,张爱兵,郭雅歌,吴俊峰          | 贰等 |
| 880 | Refined numerical simulation of a concrete cut-off wall in the thick overburden of dam foundation  | 水利工程     | 郑州大学                          | 余翔                       | 贰等 |
| 881 | A hybrid optimized model for predicting evapotranspiration in early and late rice based on a categorical regression tree combination of key influencing factors      | 水利工程     | 河南科技大学,河南省烟草公司驻马店市公司,西北农林科技大学 | 赵龙,卿顺浩,白佳宜,郝浩浩,李慧,师翊,邢旭光 | 贰等 |
| 882 | Damage and failure mechanism of concentric perforated granite under static pressure after alternating action of high temperature and water at different temperatures | 矿山工程技术   | 河南理工大学                        | 王春                       | 贰等 |
| 883 | Evaluation and Analysis of Flux-Regulated Permanent Magnet Linear Eddy Current Brakes  | 动力与电气工程  | 中原工学院                         | 李召                       | 贰等 |

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| 884 | A highly adaptable flexible soft glove consisting of multimode deformable soft finger  | 机械工程    | 郑州轻工业大学         | 郑华栋,程岩,王新杰,王才东,刘丰阳,白威 | 贰等 |
| 885 | Experimental fluid dynamics of particles in a dielectric barrier discharge plasma-enhanced spouted bed   | 动力与电气工程 | 郑州轻工业大学         | 张百强                   | 贰等 |
| 886 | The effect of ionic liquid compounds on the exfoliation of the two-dimensional layer of molybdenum disulfide   | 机械工程    | 河南农业大学          | 丁攀                    | 贰等 |
| 887 | Numerical and dimensional analysis for the jet buckling of highly viscous fluid  | 机械工程    | 河南工学院           | 花少震,常成,刘华博            | 贰等 |
| 888 | Analysis of the characteristics of fatal accidents in the construction industry in China based on statistical data   | 安全科学技术  | 河南农业大学          | 徐青伟                   | 贰等 |
| 889 | Prediction of column failure modes based on artificial neural network  | 土木工程    | 河南大学            | 万海涛                   | 贰等 |
| 890 | Visual Object Detection and Tracking for Internet of Things Devices Based on Spatial Attention Powered Multi-Domain Network  | 机械工程    | 黄淮学院            | 高海宁,于磊,王银玲,杨勇,沈红丹     | 贰等 |
| 891 | Looking Outside the Window: Wide-Context Transformer for the Semantic Segmentation of High-Resolution Remote Sensing Images  | 测绘科学技术  | 解放军战略支援部队信息工程大学 | 丁磊,林栋,林绍福,崔晓杰,王跃宾     | 贰等 |
| 892 | Amorphous nickel boride membrane coated PdCuCo dendrites as high-efficiency catalyst for oxygen reduction and methanol oxidation reaction                                  | 能源科学技术  | 许昌学院            | 李婷婷,李硕,左云鹏            | 贰等 |
| 893 | Study the impact of sunlight' s frequencies and solar collector tube magnetic fields in heating generation power of the magnetic nanoparticles: Optimizing by ANN modeling | 动力与电气工程 | 郑州航空工业管理学院      | 张丹                    | 贰等 |
| 894 | Experimental Study and Analysis on Axial Compression Performance of High-Strength Recycled Concrete-Filled Steel Tube Column in Corrosive Environments                     | 土木工程    | 中原工学院           | 惠存,海然                 | 贰等 |
| 895 | An application of soft computing for the earth stress analysis in hydropower engineering   | 土木工程    | 安阳师范学院          | 张士科                   | 贰等 |

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| 896 | Dendrite growth in nickel-based superalloy with in-situ observation by high temperature confocal laser scanning microscopy and numerical simulation | 机械工程    | 郑州航空工业管理学院                           | 闫学伟,许庆彦        | 贰等 |
| 897 | Preparation of C <sub>3</sub> N <sub>4</sub> Thin Films for Photo-/Electrocatalytic CO <sub>2</sub> Reduction to Produce Liquid Hydrocarbons        | 能源科学技术  | 郑州大学                                 | 郑金友            | 贰等 |
| 898 | Research on the Manufacturing Process and Heat Transfer Performance of Ultra-Thin Heat Pipes: A Review  | 机械工程    | 郑州轻工业大学                              | 段留洋            | 贰等 |
| 899 | Pose error correction in offline three-dimensional profile measurement system for large-diameter aspheric mirror                                    | 机械工程    | 中原工学院                                | 席建普            | 贰等 |
| 900 | Research progress of composite cylindrical shells   | 土木建筑工程  | 新乡学院                                 | 张利伟,赵利媛,潘林     | 贰等 |
| 901 | Connection stiffness modeling of rotating dovetailed blade with macro-micro interface topography  | 机械工程    | 周口师范学院                               | 康贺贺,李志敏,刘涛,张肖扬 | 贰等 |
| 902 | Analysis of the turbulent lubrication of a textured hydrodynamic journal bearing  | 机械工程    | 河南工程学院                               | 毛亚洲            | 贰等 |
| 903 | Considering reactive power coordinated control of hybrid multi-infeed HVDC system research into emergency DC power support                          | 动力与电气工程 | 郑州轻工业大学                              | 李从善,李忆恺,和萍     | 贰等 |
| 904 | Position Estimation Method for Switched Reluctance Motors Based on Magnetic Flux Modulation   | 动力与电气工程 | 许昌学院                                 | 王晔             | 贰等 |
| 905 | 基于约束阻尼层的弧形钢闸门减振分析   | 水利工程    | 许昌学院                                 | 王俊,吴泽玉         | 贰等 |
| 906 | 拖拉机动力输出轴动态转矩载荷谱编制与验证  | 农业工程    | 河南科技大学,河南省汽车节能与新能源重点实验室,洛阳拖拉机研究所有限公司 | 闫祥海,周志立,贾方     | 贰等 |

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| 907 | 切向超声振动辅助成形磨削齿轮的切削系数建模与试验研究  | 机械工程      | 平顶山学院             | 别文博,赵波,高国富,向道辉,赵重阳,唐进元   | 贰等 |
| 908 | Three-Dimensional Spatial Distribution and Influential Factors of Soil Total Nitrogen in a Coal Mining Subsidence Area  | 测绘科学技术    | 华北水利水电大学          | 张会娟,张秋霞                  | 贰等 |
| 909 | 一种基于改进广义积分控制的有源滤波器谐波补偿方法  | 动力与电气工程   | 许昌学院              | 孙刚,殷志锋                   | 贰等 |
| 910 | A novel radiometric cross-calibration of GF-6 WFV with MODIS at the Dunhuang radiometric calibration site   | 测绘科学技术    | 许昌学院              | 韩杰,李慧娜                   | 贰等 |
| 911 | Parameters Optimization and Test of Caterpillar Self-Propelled Tiger Nut Harvester Hoisting Device  | 农业工程      | 河南农业大学            | 何勋,屈哲,王万章,吕严柳,周正,何豪      | 贰等 |
| 912 | Effects of graphene and CNTs reinforcement on the friction mechanism of nitrile butadiene rubber under water lubrication conditions   | 机械工程      | 郑州航空工业管理学院,武汉理工大学 | 刘学申,黄健,杨超振,汪鹏,邢少鹏,钟达,周新聪 | 贰等 |
| 913 | Enhanced mechanisms of oxygen reduction on Pr <sub>0.4</sub> Sr <sub>0.6</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-δ</sub> impregnated La <sub>1-x</sub> Sr <sub>x</sub> Co <sub>1-y</sub> FeyO <sub>3-δ</sub> cathodes for solid oxide fuel cells | 动力与电气工程   | 河南科技大学            | 李海召,刘方杰                  | 贰等 |
| 914 | Lubrication of R290 Rotary Compressor Used in Low-Temperature Air-Water Heat Pumps  | 动力与电气工程   | 华北水利水电大学          | 史红艳                      | 贰等 |
| 915 | Damage and quantitative indexes for steel reinforced concrete column with T-shaped section  | 土木建筑工程    | 河南工业大学            | 周超锋,丁永刚                  | 贰等 |
| 916 | Piezomagnetoelastic energy harvesting from bridge vibrations using bi-stable characteristics  | 土木工程机械与设备 | 河南大学              | 周志勇                      | 贰等 |
| 917 | Signal quality analysis and quality check of BDS3 Precise Point Positioning in the Arctic Ocean   | 测绘科学技术    | 许昌学院              | 关小果                      | 贰等 |
| 918 | 基于EEMD-SOBI的水电机组多源信息分离处理  | 水利工程      | 黄河水利职业技术学院        | 职保平,秦净净,杨春景,于洋           | 贰等 |

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| 919 | Reliability and fatigue life analysis of key parts of shearer  | 矿山机械工程        | 周口师范学院,<br>河南理工大学 | 田震,高珊,荆双喜,<br>李晋                    | 贰等 |
| 920 | An Improved Spatiotemporal Weighted Mean Temperature Model over Europe Based on the Nonlinear Least Squares Estimation Method              | 测绘科学技术        | 信阳师范大学            | 张兵兵                                 | 贰等 |
| 921 | Research progress and prospects of gliding robots applied in ocean observation   | 水利工程          | 华北水利水电<br>大学      | 田宝强,宋云波,王丽<br>君                     | 贰等 |
| 922 | Effect of fabric structural stability on the tensile property of bidirectional angle-interlock woven composites                            | 机械工程          | 河南科技大学            | 马振宇,马文锁,漫睿<br>东,马振浩,许泳豪,<br>杨立光,贾晨辉 | 贰等 |
| 923 | Nonlinear Vibrations of Multiscale Composite Beams on A Nonlinear Softening Foundation   | 土木工程机械<br>与设备 | 许昌学院              | 丁瑞华                                 | 贰等 |
| 924 | Progress in application of phase-change materials to cooling clothing  | 动力与电气工<br>程   | 中原工学院             | 王方,庞冬晴,刘梦威                          | 贰等 |
| 925 | Numerical Modeling on Blasting Stress Wave in Interbedding Rheological Rockmass for the Stability of the Main Shaft of Mine                | 土木建筑工程        | 河南城建学院,<br>东北大学   | 李帅,郑超,赵永                            | 贰等 |
| 926 | Hopf Bifurcation Analysis of Mixed Traffic and Its Implications for Connected and Autonomous Vehicles                                      | 交通运输工程        | 南阳师范学院            | 李腾龙,赵祥模                             | 贰等 |
| 927 | Tribological behaviors of FeCoNiCrAl <sub>x</sub> sliding against Si <sub>3</sub> N <sub>4</sub> ceramics under high temperature condition | 机械工程          | 商丘师范学院            | 王一顺,张振中,陈栾<br>霞,梁晓亮                 | 贰等 |
| 928 | 不同胶粘面积钢板加气混凝土砌块粘结性能试验  | 土木建筑工程        | 河南工业大学            | 刘海燕,牛永康,刘<br>强,李莹,贺贤玫               | 贰等 |
| 929 | Back EMF Waveform Comparison and Analysis of Two Kinds of Electrical Machines  | 动力与电气工<br>程   | 黄淮学院              | 崔英杰,陈中显                             | 贰等 |
| 930 | Enhanced lithium extraction from $\alpha$ -spodumene with fluorine-based chemical method: A stepwise heat treatment for fluorine removal   | 矿山工程技术        | 郑州大学              | 郭慧                                  | 贰等 |
| 931 | Analyze Differences in Carbon Emissions from Traditional and Prefabricated Buildings Combining the Life Cycle                              | 土木建筑工程        | 河南农业大学            | 周方,宁一博,郭欣然                          | 贰等 |

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| 932 | The Dynamic Behavior of Silos with Grain-like Material during Earthquakes  | 土木建筑工程    | 郑州工业应用技术学院    | 段君峰,韩阳,李东桥    | 贰等 |
| 933 | Experimental study of shear strength features of regenerated rock mass compacted and consolidated by broken soft rocks | 土木建筑工程    | 信阳师范大学        | 马文强           | 贰等 |
| 934 | Accumulated plastic strain behavior of granite residual soil under traffic loading                                     | 土木建筑工程    | 中原工学院         | 尹松,刘鹏飞,黄家宁    | 贰等 |
| 935 | 用于并网逆变器谐波抑制的重复-比例复合控制器分析与设计  | 动力与电气工程   | 中原工学院         | 赵强松,陈莎莎,王双红   | 贰等 |
| 936 | 基于瞬态动力学强夯机臂架折弯事故分析   | 土木工程机械与设备 | 郑州科技学院,南阳理工学院 | 李伟,杨晨,王桂录,肖新科 | 贰等 |
| 937 | Optimization of EDM process parameters based on variable-fidelity surrogate model                                      | 机械工程      | 郑州轻工业大学       | 马军,尹春洋,曹阳     | 贰等 |
| 938 | The design and processing of a 3D-printed high-performance biological fixation plate                                   | 机械工程      | 周口师范学院        | 张国庆           | 贰等 |
| 939 | 基于聚类降维和视觉注意机制的高光谱影像分类  | 测绘科学技术    | 河南测绘职业学院      | 曾朝平,琚丽君       | 贰等 |
| 940 | Evaluating the Sustainable Traffic Flow Operational Features of U-turn Design with Advance Left Turn                   | 交通运输工程    | 华北水利水电大学      | 胡圣能           | 贰等 |
| 941 | 吸波材料脱落对球面收敛喷管电磁散射特性的影响   | 能源科学技术    | 郑州航空工业管理学院    | 郭霄            | 贰等 |
| 942 | An Experimental Study on Strengthening Recycled Aggregates Considering Dry Mixing before Slurry Coating                | 土木建筑工程    | 郑州科技学院        | 李晓梦,范留军,柴术鹏   | 贰等 |
| 943 | Study on mechanical properties of cement-jute fiber modified weak expansive soil                                       | 土木建筑工程    | 中原工学院         | 程学磊,李琪琪       | 贰等 |
| 944 | Nondestructive purification process for inorganic perovskite quantum dot solar cells                                   | 能源科学技术    | 商丘师范学院        | 杨同辉           | 贰等 |

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