

授权专利

序号	专利技术项目名称	发明类型	授权日期	授权专利号
1	一种便携式气袋高温储存箱	实用新型	2023. 03. 24	ZL202222892711. 7
2	一种环境工程用废气处理系统	实用新型	2023. 08. 11	ZL202320616324. 2
3	一种分体式的逆流色谱分离柱	发明	2023. 04. 07	ZL201710004737. 4
4	一种 3D 打印的逆流色谱分离柱	发明	2023. 04. 07	ZL201710004319. 5
5	一种基于原位衍生化的脂肪酸 MALDI 质谱成像方法及其应用	发明	2023. 03. 10	ZL202010467832. X
6	一种检测阳离子醚化剂中三甲胺盐酸盐的方法及应用	发明	2023. 04. 14	ZL202010478201. 8
7	一种差分离子迁移谱-质谱联用装置及应用	发明	2023. 06. 09	ZL202010631054. 3
8	一维编织结构的金属有机骨架材料及其制备方法与应用	发明	2023. 02. 24	ZL202010688110. 7
9	一种胡椒活性成分的高效分离和检测方法	发明	2023. 05. 05	ZL202010790371. X
10	一种对植物中降糖功能化合物的筛选及分离方法	发明	2023. 03. 31	ZL202010865223. X
11	一种离子影像介导化合物提取识别系统及方法	发明	2023. 03. 14	ZL202011508595. 3
12	一种盐酸小檗碱微乳液、其制备方法及其在抗菌药物中的应用	发明	2023. 01. 10	ZL202110441881. 0
13	一种高纯度香豆素衍生物的制备方法及其应用	发明	2023. 05. 05	ZL202111121597. 1
14	一种全氟辛烷磺酸分子印迹聚合物及其制备方法和应用	发明	2023. 03. 14	ZL202210073615. 1
15	一种功能化 MOF 材料、制备方法及其作为固相萃取吸附剂的应用	发明	2023. 06. 13	ZL202210283412. 5
16	一种多糖类胰蛋白酶抑制剂及其制备方法	发明	2023. 03. 28	ZL202210782678. 4

17	获取熔覆金属三维组织信息的检测台及其操作办法	发明	2023. 6. 27	ZL202010702406. X
18	一种基于单像素固相萃取技术的质谱成像分析方法及其应用	发明	2023. 07. 21	ZL201611072513. 9
19	一种磁性纳米颗粒分散固相萃取-磁针解吸纳升电喷雾离子化质谱分析装置及方法	发明	2023. 09. 05	ZL201710002252. 1
20	一种制备可吸附有机卤化物样品的系统及方法	发明	2023. 07. 14	ZL201710194505. X
21	一种二维差分离子迁移谱耦合装置及其应用方法	发明	2023. 07. 21	ZL201810988285. 2
22	基于无人机智能飞行轨迹控制的电磁辐射检测装置及方法	发明	2023. 09. 08	ZL202010850547. 6
23	一种西洋参提取分析方法	发明	2023. 09. 29	ZL202011146938. 6
24	二氢杨梅素功能化银纳米粒子及其绿色合成方法与应用	发明	2023. 07. 28	ZL202011333293. 7
25	一种分析环境水样中全氟烷基酸类污染物的方法及应用	发明	2023. 07. 21	ZL202110920603. 3
26	一种血清和粪便中吡啶乙酸和吡啶丙酸的检测方法	发明	2023. 09. 05	ZL202110962369. 0
27	磁性氟化共价有机框架材料及其制备方法和应用	发明	2023. 08. 25	ZL202111005237. 5
28	一种共轭微孔聚合物及其制备方法与应用	发明	2023. 09. 01	ZL202111261171. 6
29	一种湿度响应变色水凝胶及其制备方法与应用	发明	2023. 07. 04	ZL202111492614. 2
30	锂基催化剂及其制备方法和在过硫酸盐降解废水中的应用	发明	2023. 10. 03	ZL202210088365. 9
31	钴纳米颗粒包埋氮掺杂碳多孔催化剂及其制备方法与应用	发明	2023. 07. 21	ZL202210799730. 7
32	氮配位的单原子钴催化剂及其制备方法及应用	发明	2023. 09. 01	ZL202210857062. 9
33	一种基于共轭微聚合物材料富集检测人工麝香的方法	发明	2023. 07. 25	ZL202211060772. 5

34	一种高分散氯氮平原料药晶体颗粒的制备方法	发明	2023. 07. 21	ZL202111581248. 8
35	一种废水脱盐及资源回收利用系统	实用新型	2023. 10. 17	ZL202321325856. 7
36	一种氯氮平细粉的制备方法	发明	2023. 10. 13	ZL202210801020. 3
37	一种 N-N-双-恶唑烷酮生物碱类化合物、制备方法及其在医药领域的应用	发明	2023. 10. 24	ZL202210961137. 8
38	一种齿环旋转的液-液分配色谱仪	发明	2023. 10. 20	ZL201710081336. 9
39	一种基于重量分析的阿胶水不溶物的分析方法	发明	2023. 11. 28	ZL202111273879. 3
40	一种高盐废水结晶分离装置	实用新型	2023. 11. 24	ZL202321455044. 4
41	食品检测台	外观设计	2023. 12. 15	ZL202330435151. X
42	食品检测分样器	外观设计	2023. 12. 01	ZL202330435153. 9
43	海水微量元素自动分离富集系统及 ICP-MS 测定方法	发明	2023. 12. 19	ZL201910039232. 0
44	一种葛根中五种活性成分的绿色提取方法	发明	2023. 12. 19	ZL202211480237. 5
45	一种饲料粉碎混匀装置	实用新型	2023. 12. 26	ZL202321775002. 9

软件著作权

序号	软件名称	发证日期	登记号	证书号
1	国际草药查询系统 V1. 0	2023-6-13	2023SR0635747	软著登字第 11222918 号
2	小分子化合物制备分离集成系统 V1. 0	2023-9-8	2023SR1034224	软著登字第 11621397 号
3	小分子化合物模式识别展示系统 V1. 0	2023-11-27	2023SR1515797	软著登字第 12102970 号
4	分子对接辅助教学软件 V1. 0	2023-9-18	2023SR1090721	软著登字第 11677894 号

论文

序号	论文题目	期刊名	中科院分区	影响因子	SCI	EI	ISTP	TOP期刊	北大中文核心	CSCD
1	Equilibrium solubility, thermodynamic modelling and Hansen solubility parameters of glimepiride (form I) in binary solvent mixtures at various temperatures	Journal of Molecular Liquids	II	6	1					
2	Preparation of a pyridyl covalent organic framework via Heck cross-coupling for solid-phase microextraction of perfluoropolyether carboxylic acids in food	Food Chemistry	I	8.8	1			1		
3	Online solid-phase extraction based on size-controllable spherical covalent organic framework for efficient determination of polybrominated diphenyl ethers in foods	Food Chemistry	I	8.8	1			1		
4	Solid-liquid phase equilibrium and thermodynamic properties analysis of paliperidone palmitate in 21 kinds of mono-solvents	JOURNAL OF CHEMICAL THERMODYNAMICS	II	2.6	1					
5	A stable peony seed oil emulsion that enhances the stability, antioxidant activity, and bioaccessibility of curcumin	LWT	I	6	1			1		

6	Buchwald–Hartwig coupled conjugated microporous polymer for efficient removal COVID-19 antiviral drug famciclovir from waters: Adsorption behavior and mechanism	Colloids and Surfaces A: Physicochemical and Engineering Aspects	II	5.2	1					
7	A novel oxygen vacancies enriched Co–Ni LDO catalyst activated peroxymonosulfate for the efficient degradation of tetracycline	Journal of Water Process Engineering	II	7	1					
8	Magnetic ternary layered double hydroxides for efficient removal of 1-naphthalene acetic acid from waters: Adsorption behavior and mechanism	Journal of Environmental Chemical Engineering	II	7.968	1					
9	Facile Synthesis of Quinolinecarboxylic Acid-Linked Covalent Organic Framework via One-Pot Reaction for Highly Efficient Removal of Water-Soluble Pollutants	Molecules	III	4.927	1					
10	An Imine-Based Porous 3D Covalent Organic Polymer as a New Sorbent for the Solid-Phase Extraction of Amphenicols from Water Sample	Molecules	III	4.927	1					
11	Effect of Post-Cladding Heat Treatment on Microstructure and Performance of a Laser Cladded 2Cr17Ni2 Steel Coating	Journal of Materials Engineering and Performance	IV	2.3	1					

12	Understanding the microstructure evolution characteristics and mechanical properties of an AlCoCrFeNi _{2.1} high entropy alloy fabricated by laser energy deposition	Materials Science and Engineering: A	I	6.4	1			1		
13	High-throughput determination of interdiffusivity matrices and atomic mobilities in Cu-rich fcc Cu-Sn-Zn alloys by using the experimental composition profiles and HitDIC	Journal of Alloys and Compounds	II	6.2	1			1		
14	Distance-based microfluidic assays for instrument-free visual point-of-care testing	TRAC-TRENDS IN ANALYTICAL CHEMISTRY	I	13.1	1			1		
15	Controlled Supramolecular Self-Assembly Pathways by Intramolecular Rotation of D-A Molecular System toward the Signal Differentiation Detection of Toxic Vapors	Small	I	13.3	1			1		
16	Single-atom catalysts with peroxidase-like activity boost gel-sol transition-based biosensing	Biosensors & Bioelectronics	I	12.6	1			1		
17	Failure analysis and finite element assessment of a torsion spring	Engineering Failure Analysis	II	4	1					
18	Pyrite and sulfur-coupled autotrophic denitrification system for efficient nitrate and phosphate removal	Bioresource Technology	I	11.4	1			1		

19	MeJA regulates the accumulation of baicalein and other 4' - hydroxyflavones during the hollowed root development in <i>Scutellaria baicalensis</i>	Frontiers in Plant Science	II	5.6	1			1		
20	A major mechanism for immunomodulation: Dietary fibres and acid metabolites	Seminars in Immunology	II	7.8	1					
21	Fracture failure of the multi-throw crankshaft in a sport utility vehicle	Engineering Failure Analysis	II	4	1					
22	Interaction effect of second particles on the stress concentration in ZK60 magnesium alloy	Material Science & Engineering Technology	III	1.1	1					
23	Comparison of <i>Lycium barbarum</i> fruits polysaccharide from different regions of China by acidic hydrolysate fingerprintingbased HILIC-ELSD-ESI-TOF-MS combined with chemometrics analysis	Phytochemical Analysis	III	3.3	1					
24	An integrated strategy for the geographical origin traceability of Goji berries by antioxidants characteristic fingerprint based online ultra-performance liquid chromatography-2,2-diphenyl-1-picrylhydrazyl- photodiode array detector-mass spectrometry combined with multivariate statistics analysis	Journal of separation science	III	3.1	1					

25	Peptide Oxidation Induced by Liquid-Solid Contact Electrification as Revealed in Liquid Microjunction-Surface Sampling Probe Mass Spectrometry	Analytical Chemistry	I	7.4	1			1		
26	Amide-containing neoepitopes: the key factor in the preparation of hapten-specific antibodies and a strategy to overcome	Frontiers in Immunology	II	7.3	1			1		
27	Highly sensitively detection of amine vapors released during shrimp spoilage by fluorescent molecules locked in covalent organic frameworks	Food Chemistry	I	8.8	1			1		
28	Porphyrin-based covalent organic polymer as an effective and stable dispersed nano-quencher for rapid fluorescence sensing of nucleic acid	APL Materials	II	6.1	1					
29	Polymer-mediated and ultrasound-assisted crystallization of ropivacaine: Crystal growth and morphology modulation	Ultrasonics Sonochemistry	I	8.4	1			1		
30	Integration of metabolomics and network pharmacology to reveal the protective mechanism underlying Wogonoside in acute myocardial ischemia rats	Journal of Ethnopharmacology	I	5.4	1			1		
31	Development of VER-50589 analogs as novel Hsp90 inhibitors	Bioorganic & Medicinal Chemistry Letters	III	2.94	1					

32	Contrasting effects of a novel biochar-microalgae complex on arsenic and mercury removal	Ecotoxicology and Environmental Safety	I	6.8	1			1		
33	Change in physicochemical properties, aroma components, and potentially beneficial compounds during the stir-frying of Massa Medicata Fermentata	Food Chemistry Advances		0	0					
34	Anti-Scale Performance and Mechanism of Valonia Tannin Extract for Calcium Carbonate in Circulating Cooling Water System	sustainability	III	3.9	1					
35	Development of Magnetic Molecularly Imprinted Polymer Coupled Nanospray Ion Source for Analysis of Cephalosporin Antibiotics in Food Samples	Journal of Agricultural and Food Chemistry	I	6.1	1			1		
36	Spatially resolved multi-omics highlights cell-specific metabolic remodeling and interactions in gastric cancer	Nature Communications	I	16.6	1			1		
37	Functional characterization of common carp (<i>Cyprinus carpio</i>) AHRs: Subform-specific sensitivity to dioxin and interspecies differences	Science of the Total Environment	I	9.8	1			1		
38	Imaging the metabolic reprogramming of fatty acid synthesis pathway enables new diagnostic and therapeutic opportunity for breast cancer	Cancer Cell International	II	5.2	1					

39	Cytotoxic constituents from the leaves and stems of Panax quinquefolius	Natural Product Research	III	2.2	1					
40	Total organic halogen (TOX) analysis in waters: A short review	Environmental Pollutants and Bioavailability	IV	3.3	1					
41	Methane Anaerobic Oxidation Potential and Microbial Community Response to Sulfate Input in Coastal Wetlands of the Yellow River Delta	Sustainability	III	3.9	1					
42	Efficient removal of chromium by a novel biochar-microalga complex: Mechanism and performance	Environmental Technology & Innovation	II	7.758	1					
43	High-throughput screening of lipase inhibitors as anti-obesity drugs on liquid crystal-infused porous surfaces	SENSORS AND ACTUATORS B-CHEMICAL	I	8.4	1			1		
44	Recent advance and applications of covalent organic frameworks based on magnetic solid-phase extraction technology for food safety analysis	TRAC-TRENDS IN ANALYTICAL CHEMISTRY	I	13.1	1			1		
45	Recent advances and applications of metal-organic nanotubes in separation and sensor detection science	TRAC-TRENDS IN ANALYTICAL CHEMISTRY	I	13.1	1			1		
46	CaptiveSpray Differential Ion Mobility Spectrometry Device with Enhanced Ion Transmission and Improved Resolving Power	Journal of the American Society for Mass Spectrometry	II	3.2	1					

47	Hot Water Extraction of Antioxidants from Tea Leaves— Optimization of Brewing Conditions for Preparing Antioxidant-Rich Tea Drinks	Molecules	II	4.527	1			1		
48	Phytoplankton community changes in a coastal upwelling system during the last century	Global and Planetary Change	I	3.9	1			1		
49	The Fatigue Behavior and Mechanism of Large FV520B-I Specimens in a Very High Cycle Regime	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	IV	2.3	1					
50	Au@BN-enhanced laser desorption/ionization mass spectrometry and imaging for determination of fipronil and its metabolites in food and biological samples	Food Chemistry	I	8.8	1			1		
51	Paper-based sensors for visual detection of alkaline phosphatase and alpha-fetoprotein via the distance readout	SENSORS AND ACTUATORS B-CHEMICAL	I	8.4	1			1		
52	Heterogeneous Electro-Fenton-Catalyzed Degradation of Rhodamine B by Nano-Calcined Pyrite	International Journal of Environmental Research and Public Health	III	4.212	1					
53	Use of group IIB metal ions as charge carriers for collision-induced dissociation of glycopeptide and glycan	Rapid Communications in Mass Spectrometry	III	1.894	1					

54	Paper-based flow sensor for detection of chymotrypsin and its inhibitors via viscosity change of gelatin	Journal of Food Composition and Analysis	II	4.3	1					
55	T follicular helper 17 (Tfh17) cells are superior for immunological memory maintenance	elife	I	7.7	1			1		
56	Bioaccumulation and trophic transfer of antibiotics in the aquatic and terrestrial food webs of the Yellow River Delta	Chemosphere	II	8.8	1			1		
57	pH-Triggered Charge Reversible Fluorescent Probe for Simultaneous Imaging of Lipid Droplets and Nucleoli in Living Cells	Analytical Chemistry	I	7.4	1			1		
58	Pleiotropic effects of a mitochondrion-targeted glutathione reductase inhibitor on restraining tumor cells	European Journal of Medicinal Chemistry	I	6.591	1			1		
59	The development of a paper-based distance sensor for the detection of Pb ²⁺ assisted with the target-responsive DNA hydrogel	Talanta	I	6.028	1			1		
60	Baicalein alleviates non-alcoholic fatty liver disease in mice by ameliorating intestinal barrier dysfunction	Food & Function	I	6.1	1			1		
61	Effects of treatment situations on the microstructure and mechanical properties of ZTM630 magnesium alloys	Materials Characterization	I	4.63	1			1		

62	Nanomolar β -glucosidase and β -galactosidase inhibition by enantiomeric α -1-C-alkyl-1,4-dideoxy-1,4-imino-arabinitol derivatives	European Journal of Medicinal Chemistry	I	6.591	1			1		
63	Poly (polyethylene glycol diacrylate-co-allyl glycidyl ether) cryogels Preparation, modification with iminodiacetic acid, and application of Cu(II) removal	Journal of Applied Polymer Science	III	2.905	1					
64	Dietary fiber and SCFAs in the regulation of mucosal immunity	Journal of Allergy and Clinical Immunology	I	12.885	1			1		
65	Discovery of a potent olaparib-chlorambucil hybrid inhibitor of PARP1 for the treatment of cancer	Frontiers in Pharmacology	II	5.436	1			1		
66	Prebiotic intervention with HAMSAB in untreated essential hypertensive patients assessed in a phase II randomized trial	Nature Cardiovascular Research	I	10.8	1			1		
67	A 13-LOX participates in the biosynthesis of JAs and is related to the accumulation of baicalein and wogonin in Scutellaria baicalensis	Frontiers in Plant Science	II	5.6	1			1		
68	DNAzyme-Mediated Biodeposition Coupling Adjustable Cascade Electric Fields for Photoelectrochemical Telomerase Activity Monitoring	ACS Sensors	I	8.9	1			1		

69	Metabolomics Analysis of Different Tissues of <i>Lonicera japonica</i> Thunb. Based on Liquid Chromatography with Mass Spectrometry	Metabolites	III	5.581	1					
70	Characterisation of the complete mitochondrial genome of <i>Taraxacum mongolicum</i> revealed five repeat-mediated recombinations	Plant Cell Reports	II	6.2	1					
71	Removal Efficiency and Fate of Chlorinated Paraffins (CPs) in a Municipal Sewage Treatment Plant near a Typical Petrochemical Park	ACS ES&T Water	0	5.3	1					
72	Construction of palladium porphyrins and triptycene photo-activated nanomaterial for enhanced colorimetric detection and inactivation of bacteria	Journal of Colloid and Interface Science	I	9.9	1			1		
73	Autoimmune uveitis in Behçet's disease and Vogt-Koyanagi-Harada disease differ in tissue immune infiltration and T cell clonality	Clin Transl Immunology	III	6.464	1					
74	Solid-liquid equilibrium of glucosamine hydrochloride in four binary solvents: Experiments, modeling, and molecular simulation	Journal of Molecular Liquids	II	6.0	1					
75	Solubility and Crystallization of Glucosamine Hydrochloride in Water with the Presence of Additives	Crystals	III	2.7	1					
76	Hierarchical Structure of Glucosamine Hydrochloride Crystals in Antisolvent Crystallization	Crystals	III	2.7	1					

77	Spatially resolved visualization of reprogrammed metabolism in hepatocellular carcinoma by mass spectrometry imaging	Cancer Cell International	II	5.8	1					
78	In-depth profiling of carbohydrate isomers in biological tissues by chemical derivatization-assisted mass spectrometry imaging	Analytica Chimica Acta	I	6.2	1			1		
79	A metalloporphyrin and hydantoin functionalized nanozyme with synergistically enhanced bacterial inhibition	Biomaterials Science	II	6.6	1					
80	Wormlike Micelles with Photo and pH Dual-Stimuli-Responsive Behaviors Formed by Aqueous Mixture of Cationic and Anionic Surfactants	Colloids and Surfaces A: Physicochemical and Engineering Aspects	II	5.2	1					
81	Surfactant-mediated colorimetric assay assisted with in-situ rolling circle amplification on magnetic beads	Analytica Chimica Acta	I	6.2	1			1		
82	Construction of Liquid Crystal-Based Sensors Using Enzyme-Linked Dual-Functional Nucleic Acid on Magnetic Beads	Analytical chemistry	I	7.4	1			1		
83	Microfluidics add-on technologies for single-cell analysis	Trends in Analytical Chemistry	I	13.1	1			1		

84	Nitrogen-rich based conjugated microporous polymers for highly efficient adsorption and removal of COVID-19 antiviral drug chloroquine phosphate from environmental waters	Separation and Purification Technology	I	8.6	1			1		
85	China' s air quality improvement strategy may already be having a positive effect: evidence based on health risk assessment	Frontiers in Public Health	III	0.1	1					
86	Structural characterization and anti-inflammatory activity of neutral polysaccharides from American ginseng	International Journal of Biological Macromolecules	I	8.2	1			1		
87	Separation and purification of quinolyridine alkaloids from seeds of <i>Thermopsis lanceolata</i> R. Br. by conventional and pH-zone-refining counter-current chromatography	Journal of Separation Science	III	3.1	1					
88	An efficient isolation and purification of broad partition coefficient range ginsenosides from roots of <i>Panax quinquefolium</i> L. by linear gradient counter-current chromatography coupled with preparative HPLC	Journal of Separation Science	III	3.1	1					
89	An efficient high-speed counter-current chromatography method for the preparative separation of sesquiterpenoids from the rhizomes of <i>Cyperus rotundus</i> L. combined with evaluation of the anti-	Journal of Separation Science	III	3.1	1					

	inflammation activity in vitro and molecular docking									
90	Determination of Sb(V) in water samples via solid-phase extraction based on Mg–Al layered double hydroxide sorbents prior to ICP–MS	Chinese Journal of Analytical Chemistry	III	1.2	1					
91	Isotope coded on-tissue derivatization for quantitative mass spectrometry imaging of short-chain fatty acids in biological tissues	Analytical Chemistry	I	7.4	1			1		
92	A single atom cobalt anchored MXene bifunctional platform for rapid, label-free and high-throughput biomarker analysis and tissue imaging	BIOSENSORS & BIOELECTRONICS	I	12.6	1			1		
93	Separation and purification of alkaloids and phenolic acids from Phellodendron chinense by pH-zone refining and online-storage inner-recycling counter-current chromatography	Journal of Separation Science	III	3.1	1					
94	Skin-inspired environment-tolerant organohydrogel sensors with balanced mechanical and electrical properties for human motion and physiological signal monitoring	Journal of Materials Chemistry C	II	6.4	1			1		

95	Experimental determination and high-throughput calculation of the interdiffusion coefficient matrix and atomic mobility in Ag-rich fcc Ag-Sn-Zn alloys	CALPHAD	II	2.4	1					
96	Complete mitochondrial genome of <i>Mentha spicata</i> L. reveals multiple chromosomal configurations and RNA editing events	International Journal of Biological Macromolecules	I	8.2	1			1		
97	A Surface Matrix of Au NPs Decorated Graphdiyne for Multifunctional Laser Desorption/Ionization Mass Spectrometry	ACS Applied Materials & Interfaces	II	9.5	1			1		
98	Isolation, characterization, trypsin inhibition, liver protective and antioxidant activities of arabinoxylan from <i>Massa Medicata Fermentata</i> and its processed products	International Journal of Biological Macromolecules	I	8.2	1			1		
99	Guided discovery of hepatoprotective polyhydroxy cembrane-type diterpenoids from the gum resin of <i>Boswellia carterii</i> by MS/MS molecular networking	Phytochemistry	II	3.8	1					
100	Application of one-step inner-recycling counter-current chromatography for the preparative separation and purification of chemical constituents from the rhizome of <i>Bergenia ciliate</i> (haw.) Sternb	Journal of Separation Science	III	3.1	1					

101	Developing magnetic functionalized dendritic fibrous mesoporous silica as advanced adsorbent for quaternary ammonium alkaloids	Microchimica Acta	II	5.7	1					
102	Solubility Measurement and Correlation of Itraconazole Hydroxy Isobutyltriazolone in Four Kinds of Binary Solvent Mixtures with Temperature from 283.15 to 323.15 K	ACS Omega	III	4.1	1					
103	Slippery Viscosity-Sensing Platform with Time Readout for the Detection of Hyaluronidase and Its Inhibitor	ACS sensors	I	8.9	1			1		
104	Spatially resolved metabolomics combined with 3D tumor-immune cells co-culture spheroid highlights metabolic alterations during anti-tumor immune response	Analytical Chemistry	I	7.4	1			1		
105	Identification of raffinose family oligosaccharides in processed Rehmannia glutinosa Libosch using matrix-assisted laser desorption/ionization mass spectrometry image combined with machine learning	Rapid Commun Mass Spectrom	III	2.0	1					
106	Boron nitride quantum dots-enhanced laser desorption/ionization mass spectrometry analysis and imaging of bisphenol A	Journal of Hazardous Materials	I	13.6	1			1		

107	Solid-liquid phase equilibrium and thermodynamic properties analysis of Bazedoxifene acetate in fifteen kinds of mono-solvents	JOURNAL OF CHEMICAL THERMODYNAMICS	II	2.6	1					
108	Collapse of a honeycomb sandwich composite in an aircraft radome	Materials Testing	IV	2.5	1					
109	A review of bearing failure Modes, mechanisms and causes	Engineering Failure Analysis	II	4.0	1					
110	Understanding the Effect of Grain Boundaries on the Mechanical Properties of Epoxy/Graphene Composites	polymers	II	5.0	1					
111	Novel application potential of cinaciguat in the treatment of mixed hyperlipidemia through targeting PTL/NPC1L1 and alleviating intestinal microbiota dysbiosis and metabolic disorders	Pharmacological Research	I	9.3	1			1		
112	Chemical constituents of <i>Alstonia scholaris</i> (L.) R. Br. and their chemotaxonomic significance	Biochemical Systematics and Ecology	IV	1.6	1					
113	Controlling the amount of coupling agents on the synthesis of coating antigens to enhance the sensitivity of ?uoroquinolone immunodetection	Heliyon	IV	4.0	1					
114	Microscopic characteristics of copper wires with short-circuit molten marks in electrical fire	Materials Testing	IV	2.5	1					
115	Room-temperature synthesis of nitrogen-rich conjugated microporous polymers	Food Chemistry	I	8.8	1			1		

116	Three-dimensional hydroxylated covalent organic frameworks for solid phase extraction of glucocorticoids in environmental water samples	Analytica Chimica Acta	I	6.2	1			1		
117	Study on the metabolic process of phthalic acid driven proliferation of <i>Rhizoctonia solani</i>	Frontiers in Plant Science	II	5.6	1			1		
118	Dietary Fiber and Microbiota Metabolite Receptors Enhance Cognition and Alleviate Disease in the 5xFAD Mouse Model of Alzheimer's Disease	The Journal of Neuroscience	I	5.3	1			1		
119	In Situ Self-Assembled Formation of Nitrogen-Rich Ag@Ti3C2 Film for Sensitive Detection and Spatial Imaging of Pesticides with Laser Desorption/Ionization Mass Spectrometry (LDI-MS)	ACS Appl. Mater. Interfaces	I	9.5	1			1		
120	Key Modulation of ROS and HSP for Effective Therapy Against Hypoxic Tumor with Multifunctional Nanosystem	International Journal of Nanomedicine	II	8.0	1			1		
121	Six novel multicomponent systems of theobromine with carboxylic acids: crystallographic structures, solubility determination and DFT calculations	CrystEngComm	II	3.1	1					
122	Refractive Index of 48 Neat Deep Eutectic Solvents and of Selected Mixtures: Effect of Temperature, Hydrogen-Bonding Donors, Hydrogen-Bonding Acceptors, Mole Ratio, and Water	ACS Omega	III	4.1	1					

123	Design, synthesis and antitumor activity evaluation of carbazole derivatives with potent HDAC inhibitory activity	Medicinal Chemistry Research	IV	2.6	1					
124	Removal of Nitrate Nitrogen from Municipal Wastewater Using Autotrophic Denitrification Based on Magnetic Pyrite	Water	III	3.4	1					
125	Determination and Correlation of Solubility of N-Acetylglucosamine in Four Aqueous Binary Solvents from 283.15 to 323.15 K	ACS Omega	III	4.1	1					
126	Enhanced biomass production and wastewater treatment in attached co-culture of <i>Chlorella pyrenoidosa</i> with nitrogen-fixing bacteria <i>Azotobacter beijerinckii</i>	Bioprocess and Biosystems Engineering	III	3.8	1					
127	Enhanced effects of symbiosis between <i>Tribonema</i> sp. and aerobic denitrifying phosphorus accumulating bacteria on wastewater treatment and greenhouse gas reduction	Journal of Environmental Chemical Engineering	II	7.7	1			1		
128	Improved effects of combined application of nitrogen-fixing bacteria <i>Azotobacter beijerinckii</i> and microalgae <i>Chlorella pyrenoidosa</i> on wheat growth and saline-alkali soil quality	Chemosphere	II	8.8	1			1		
129	Improving saline-alkali soil and promoting wheat growth by co-applying potassium-solubilizing bacteria and cyanobacteria produced from brewery wastewater	Frontiers in Environmental Science	III	4.6	1					

130	A New Fern Species Of Hypodematium (Hypodematiaceae) From China	Bangladesh Journal of Botany	IV	0.3	1					
131	农药多晶型研究进展	山东化工		0.213						
132	中英两国药典收录的中草药信息比较	亚太传统医药		0.506						
133	基于网络药理学和分子对接研究 十味益脾颗粒的作用机制	山东科学		0.694						
134	基于形态分类和花粉粒亚显微结构特征的金银花农家品种鉴定	山东科学		0.694						
135	基于“差异成分-核心功效”网络筛选健胃消炎颗粒的质量标志物	中国医院药学杂志		1.255					1	
136	根际微生物介导药用植物-土壤负反馈形成连作障碍的作用机制	科技导报		1.565					1	1
137	麦芽的化学成分及功能活性研究进展	食品与药品		1.05						
138	世界卫生组织的六大区域对草药的监管概述	世界科学技术-中医药现代化★思路与方法		1.908					1	1
139	环境介质中锑形态分析技术的研究进展	山东科学		0.694						
140	双抗夹心酶免疫检测法快速鉴定天花粉真伪的研究	中药材		1.748					1	
141	乌药化学成分及药理作用研究进展	中成药		2.225					1	1
142	世界卫生组织 6 大区域对草药生产和安全评估的监管概况	世界中医药		2.336						
143	草薢的化学成分及生物活性研究进展	中药材		1.748					1	
144	基于气相色谱-离子迁移谱的不同产地西洋参挥发性成分分析	分析测试学报		2.042					1	1
145	聚硅硫酸铁的制备及对生猪养殖废水磷酸盐去除的研究	山东化工		0.213						
146	基于传统分离和高通量测序的健康和患锈腐病西洋参根际土壤微生物群落分析	山东科学		0.694						

147	基于气相离子迁移谱的槟榔炒制过程中挥发性成分的变化研究	山东科学		0.694						
148	红果榿木叶中 1 个新的三萜类化合物	中草药		3.485					1	1
149	不同干燥方式对丹参挥发性成分的影响	安徽农业科学		0.596						
150	中药重金属生物可给性与生物有效性研究进展	华中农业大学学报		2.366					1	1
151	骨疏康胶囊中多指标成分的含量测定研究	中国药品标准		0.74						
152	基于 JMP 软件分析的 D-阿洛酮糖结晶工艺研究	中国食品添加剂		1.698					1	
153	不同切片方式对丹参干燥特性的影响	山东科学		0.694						
154	生态环境监测机构数据质量技术判断常见方法探讨	中国环境监测		2.665					1	1
155	硫自养反硝化工艺的研究现状及展望	工业水处理		1.961					1	1
156	水蛭真伪鉴定和质量评价方法研究进展	药学研究		1.003						
157	添加剂和超声对阿哌沙班晶体形貌的影响	齐鲁工业大学学报		0.98						
158	冷冻浓缩法处理高盐废水的研究进展	山东科学		0.694						
159	基于液相色谱-高分辨质谱测定不同加工方式丹参的化学成分	分析测试学报		2.042					1	1
160	Low-dose IL-2 Treatment Rescues Cognitive Deficits by Repairing the Imbalance Between Treg and Th17 Cells at the Middle Alzheimer' s Disease Stage	Journal of Neuroimmune Pharmacology	II	6.2	1					

标准

序号	标准名称	标准号	标准类别	发布日期	实施日期
1	牡丹花蕊茶类产品生产卫生规范	T/SDAS719-2023	团体标准	2023-8-30	2023-9-15
2	水余丸子类生产卫生规范	T/SDAS718-2023	团体标准	2023-8-30	2023-9-15
3	油茶类生产卫生规范	T/SDAS717-2023	团体标准	2023-8-30	2023-9-15
4	N-乙酰氨基葡萄糖（发酵法）	T/CBFIA 07002 - 2022	团体标准	2022-12-22	2023-4-1
5	氨基葡萄糖盐（发酵法）	T/CBFIA 07003 - 2022	团体标准	2022-12-22	2023-4-1
6	机械安全 火灾预防与防护	GB/T 23819-2023 ISO 19353: 2019	国家标准	2023-9-7	2023-9-7
7	维生素 B2 标准样品	GSB 11-4028-2022	标准样品	2022-12-29	2023-1-1
8	25-羟基维生素 D3 一水合物标准样品	GSB 11-4091-2023	标准样品	2023-8-7	2023-8-7
9	维生素 K1 标准样品	GSB 11-4029-2022	标准样品	2022-12-29	2023-1-1
10	维生素 B1 标准样品	GSB 11-4092-2023	标准样品	2023-8-7	2023-8-7
11	叶酸二水合物标准样品	GSB 11-4063-2022	标准样品	2022-12-29	2023-1-1
12	平邑金银花 食用	T/JYH 004-2023	团体标准	2023-8-18	2023-9-18
13	绿原酸纯度标准样品	GSB 11-4092-2023	标准样品	2023-12-28	2023-12-28

著作

序号	著作名称	出版社	作者	ISBN 国际标准书号
1	天然产物提取与分离	化学工业出版社	王晓;董红敬;于金倩(主编);王志伟;王岱杰;纪文华;马天宇(学);高乾善;刘峰;刘伟;程燕;闫慧娇;耿岩玲	978-7-122-42347-4
2	药物分析仪器检测教程	化学工业出版社	王珊珊(主编);王晓(主编);汤桂梅(副主编);刘伟;陈相峰;董红敬;冯金红;林云良;刘静;王霞;魏云波;苑金鹏	978-7-122-42830-1
3	山东重点药用植物图志	济南出版社	刘伟、王晓(主编)于金倩(编委)	978-7-5488-6009-9

奖励

序号	获奖项目名称	奖励名称	等级	颁奖单位	证书日期
1	多介质样品中有机污染物分析方法研究与应用	中国分析测试协会科学技术奖 CAIA 奖	一等奖	中国分析测试协会	2023 年 2 月
2	典型有毒污染物分析关键技术及成套设备研发	2022 年中国产学研合作创新与促进奖产学研合作创新成果奖	二等奖	中国产学研合作促进会	2023 年 2 月
3	特色药物晶型与晶体形态调控共性关键技术开发及产业化	2022 年中国产学研合作创新与促进奖产学研合作创新成果奖	二等奖	中国产学研合作促进会	2023 年 2 月
4	中医泛髓理论构建及其在脑病防治中的运用	医学科技奖项目科技创新成果奖	三等奖	山东医学科技奖励委员会	2023 年 2 月
5	新型污染物的分析方法及降解转化机制研究	中国分析测试协会科学技术奖 CAIA 奖	一等奖	中国分析测试协会	2023 年 2 月
6	水凝胶辅助侧向流动纸基生物传感器用于检测人血清中的胰蛋白酶	第十七届济南市优秀自然科学学术成果	一等奖	济南市科学技术学会	2023 年 9 月
7	山东省卓越工程师	第十届杰出工程师		山东省工程师协会、山东人才发展集团有限公司	2023 年 9 月
8	质谱成像与空间多组学	2023 分析测试创新大赛	一等奖	《分析测试学报》编辑部；广东省分析测试学会	2023 年 11 月
9	中药材生态种植技术研究与示范应用	中华中医药学会科学技术奖	一等奖	中华中医药学会	2023 年 11 月

10	高灵敏热原内毒素纸基快检技术开发及产业化应用	第十八届挑战杯建设银行山东省大学生课外学术科技作品竞赛	三等奖	中国共产主义青年团山东省委员会；山东省科学技术协会；山东省教育厅；山东省科技厅；山东社会科学院；山东省学生联合会	2023 年 7 月
11	微乎其微，蚩生可贵-高灵敏热原内毒素纸基快检技术开发及应用	第九届山东省互联网+大学省创新创业大赛	银奖	山东省教育厅	2023 年 11 月
12	聚合物基复合材料的制备、修饰及分子工程应用	中国化工学会科学技术奖“基础研究成果奖”	三等奖	中国化工学会	2023 年 11 月
13	中药材生态种植理论和技术体系的构建及示范应用	北京市科学技术进步奖	一等奖	北京市人民政府	2023 年 10 月
14	基于功能化多孔有机材料的复杂样品前处理研究与应用	2023 中国分析测试协会科学技术奖 CAIA 奖	二等奖	中国分析测试协会	2023 年 12 月
15	畜禽养殖废水深度处理及资源化利用关键技术研发与应用	环境技术进步奖	二等奖	中国环境保护产业协会	2023 年 2 月
16	面向制剂的药物颗粒性质调控关键技术创新与应用	全国商业科技进步奖	二等奖	中国商业联合会	2023 年 12 月
17	山东代表性道地中药材提质增效技术集成与应用	全国商业科技进步奖	二等奖	中国商业联合会	2023 年 12 月
18	工业装备应急失效诊断关键技术研究及共享应用	全国商业科技进步奖	一等奖	中国商业联合会	2023 年 12 月
19	大型金属构件缺陷风险定量评估关键技术及应用	全国商业科技进步奖	三等奖	中国商业联合会	2023 年 12 月

20	黄河三角洲地区金银花优质高产关键技术及应用	山东省中药行业科学技术奖	一等奖	山东省中药行业科学技术奖奖励委员会	2023 年 12 月
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