

申请专利

序号	专利技术项目名称	专利类型	申请日期	申请号
1	一种藻菌协同好氧反硝化聚磷废水处理系统及处理工艺	发明	2024. 01. 15	CN202410055643. X
2	一种用于晚期糖基化终末产物检测的吸附剂及制备方法	发明	2024. 01. 15	CN202410054270. 4
3	一种人参皂苷类化合物的定性分析方法及利用该方法发现的新化合物	发明	2024. 01. 16	CN202410056965. 6
4	大型金属构件淬火开裂失效分析与风险评估方法	发明	2024. 01. 17	CN202410067669. 6
5	一种快速提取柘木中氧杂蒽酮类同分异构体化合物的方法	发明	2024. 01. 19	CN202410082566. 7
6	一种多功能化共价有机框架材料及其制备方法和应用	发明	2024. 01. 29	CN202410125278. 5
7	一种盐析结晶制备氨基葡萄糖盐酸盐的方法	发明	2024. 02. 03	CN202410152578. 2
8	一种山楂果胶寡糖及其制备方法与应用	发明	2024. 03. 28	CN202410367179. 8
9	具有肿瘤细胞毒性、抗炎的黄酮类化合物及其制备方法与应用	发明	2024. 03. 29	CN202410376263. 6
10	具有肿瘤细胞毒性、抗炎的氧杂蒽酮类化合物及其制备方法和应用	发明	2024. 03. 29	CN202410376264. 0
11	汉黄芩苷在制备防治慢性心衰药物中的应用	发明	2024. 04. 24	CN202410498921. 9
12	取样探头、失效构件可移动表面原位采样识别系统及方法	发明	2024. 04. 24	CN202410500027. 0
13	筛选天麻等级标志物的方法及天麻等级的快速评价方法	发明	2024. 04. 25	CN202410507716. 4
14	一种天麻超高压热风干燥方法及干天麻	发明	2024. 04. 25	CN202410507714. 5
15	一种小粒度缬沙坦 E 型晶体及其制备方法	发明	2024. 04. 30	CN202410541969. 3
16	一种缬沙坦超细晶体及其制备方法	发明	2024. 04. 30	CN202410541967. 4
17	1-（4-苯氧基苯氧基）-2-丙醇的合成方法	发明	2024. 06. 19	CN202410788407. 9
18	一种用于真菌毒素定量检测的生物传感器及检测方法	发明	2024. 06. 24	CN202410819102. X
19	负载金属的介孔二氧化硅及其在合成环酸中的应用	发明	2024. 06. 24	CN202410821181. 8

20	一种双金属单原子量子点纳米酶的制备方法及其应用	发明	2024.06.27	CN202410848523.5
21	一种形貌规则、粒度可控的 17 α -羟基黄体酮晶体制备方法	发明	2024.07.03	CN202410886983.7
22	一种基于聚合物限域渗流的溶液检测装置及其检测方法	发明	2024.07.09	CN202410916369.0
23	金属有机框架材料的制备方法、其应用以及一种新烟碱类杀虫剂的液相-串联质谱分析方法	发明	2024.07.12	CN202410937333.0
24	一种小粒度形貌均匀的维生素 C 晶体的制备方法	发明	2024.07.31	CN202411040872.0
25	一种测定药物分子 A0 168 的方法及应用	发明	2024.08.01	CN202411052115.5
26	一种用于环境及食品中抗氧化剂快速检测的质谱方法	发明	2024.08.01	CN202411052108.5
27	一种次黄嘌呤-马来酸共晶及其制备方法与应用	发明	2024.08.16	CN202411130647.6
28	一种缓解痛风的中药组合物及其应用	发明	2024.08.19	CN202411133119.6
29	一种降尿酸的中药组合物及其应用	发明	2024.08.20	CN202411143572.5
30	一种人参皂苷 20(R)-Rg3 的光催化制备方法	发明	2024.08.22	CN202411158711.1
31	一种 β -硫氰酸酯醇类衍生物的制备方法	发明	2024.08.28	CN202411194010.3
32	一种三嗪类除草剂的液相-串联质谱分析方法	发明	2024.09.24	CN202411335158.4
33	一种 L-红豆碱草酸盐及其制备方法与应用	发明	2024.09.27	CN202411362830.9
34	一种丹参复合生物炭改良盐碱地的方法	发明	2024.10.08	CN202411394747.X
35	去甲蟛蜞菊内酯在制备降尿酸药物中的应用	发明	2024.10.18	CN202411461228.0
36	一种山楂果胶及其制备方法与应用	发明	2024.10.29	CN202411522329.4
37	一种西洋参多糖中寡糖组成的分析方法	发明	2024.10.30	CN202411531870.1
38	单原子调控化学发光检测氟离子传感器、制备方法及应用	发明	2024.11.08	CN202411592235.4
39	一种罗汉参抗性淀粉制备方法与应用	发明	2024.11.19	CN202411656305.8
40	一种质谱检测芯片制备系统与方法	发明	2024.11.20	CN202411665336.X
41	一种多级决策的金属表面损伤特征识别方法及系统	发明	2024.11.21	CN202411674921.6
42	一种三维图学习的金属断口识别方法、装置、介质及设备	发明	2024.11.22	CN202411684623.5
43	一种肉类品质评价方法及系统	发明	2024.11.29	CN202411740381.7

44	一种基于多模态学习的生鲜肉品质评估方法及系统	发明	2024. 11. 29	CN202411740578. 0
45	一种中空磁性材料及其制备和在食品检测前处理中的应用	发明	2024. 11. 29	CN202411740825. 7
46	一种用于富集甜味剂的固相萃取柱填料及定量检测环境和食品中甜味剂的方法	发明	2024. 11. 29	CN202411738276. X
47	一维含铁空心纳米管催化剂及其制备方法与其在处理废水中的应用	发明	2024. 12. 05	CN202411781700. 9
48	一种降解三唑类杀菌剂的组合物及其应用	发明	2024. 12. 06	CN202411790328. 8
49	一种喹诺酮类抗生素样品前处理方法及分析应用	发明	2024. 12. 10	CN202411812146. 6
50	一种药物代谢分子头孢噻呋钠的检测方法	发明	2024. 12. 13	CN202411842155. X
51	一种农业微藻肥原位制造与施用装置及方法	发明	2024. 12. 20	CN202411890886. 1
52	集成在线预处理与动态生物评价的质谱系统及方法	发明	2024. 12. 26	CN202411939793. 3
53	养殖粪污、农田退水及加工废弃物协同处理系统及方法	发明	2024. 12. 23	CN202411901925. 3
54	一种环境水样中 PFASs 的分析检测方法	发明	2024. 12. 20	CN202411891812. X
55	一种 N-N-双-恶唑烷酮生物碱类化合物、制备方法及在医药领域的应用	发明	2024. 7. 18	KR1020247020343
56	一种西洋参水提取物及其制备方法和在降尿酸方面的应用	发明	2024. 1. 26	PCT/CN2024/072791
57	一种西洋参水提取物及其制备方法和在降尿酸方面的应用	发明	2024. 09. 04	KR1020247029840

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	一种动物饲料造粒装置	实用新型	2024. 01. 26	ZL202321867415. X
2	一种鉴别液态奶热处理程度与掺杂的分析方法和系统	发明	2024. 02. 06	ZL202111221118. 3
3	单糖衍生化试剂、其制备方法及其单糖异构体的质谱成像方法	发明	2024. 02. 06	ZL202210779981. 9
4	一种基于连续逆流提取的黄芩苷生产线及方法	发明	2024. 02. 13	ZL202210673975. 5
5	一种原位失效分析样品台及扫描电镜	发明	2024. 02. 20	ZL201910314190. 7
6	一种生物分子及抑制剂类分子的检测方法	发明	2024. 02. 20	ZL202110814009. 6
7	一种电化学传感器及制备方法与其在检测人参皂苷 Rg3 中的应用	发明	2024. 02. 27	ZL202110909717. 8
8	一种抗 GPR65 的单克隆抗体、分泌该抗体的杂交瘤细胞株及应用	发明	2024. 03. 05	ZL202011309809. 4
9	一种盐酸二甲双胍晶体的制备方法及采用该方法得到的单分散、粒度均一棒状晶体	发明	2024. 05. 17	ZL202210832247. 4
10	一种环境水体中痕量糖皮质激素的分析识别方法	发明	2024. 05. 31	ZL202210890735. 0
11	高选择性检测二甲硫醚的荧光材料及其制备方法和应用	发明	2024. 05. 31	ZL202211314580. 2
12	一种结合 DNA 滚环扩增技术的比色液晶微滴的生物传感器及传感系统	发明	2024. 05. 31	ZL202210360225. 2
13	一种生态浮床光生物反应器及微藻培养和水体净化方法	发明	2024. 07. 16	ZL201910789615. X

14	一种超声波疲劳试验中样品分离装置及其应用	发明	2024. 07. 19	ZL201910457852. 6
15	小儿消食片的指纹图谱构建方法及其成分含量的测定方法	发明	2024. 07. 26	ZL202210884444. 0
16	一种原位降解多源直接质谱分析药物有关物质识别装置与方法	发明	2024. 09. 03	ZL202010706212. 7
17	一种大颗粒头孢哌酮钠球形晶体的制备方法	发明	2024. 11. 08	ZL202310072375. 8
18	一种转晶制备三水合艾司奥美拉唑镁的方法	发明	2024. 10. 18	ZL202310076656. 0
19	一种疲劳试验环境模拟装置	发明	2024. 11. 05	ZL201811157142. 3
20	失效断口表面的自动清洗器	发明	2024. 11. 05	ZL201811326917. 5
21	一种粒度窄分布微米级铝碳酸镁的结晶方法	发明	2024. 11. 15	ZL202310072828. 7
22	一种差分离子迁移谱-质谱联用离子传输系统及设备	发明	2024. 11. 15	ZL202310072450. 0
23	一种可可碱羧酸共晶及其制备方法和应用	发明	2024. 11. 29	ZL202310461243. 4
24	一种含缺陷交互作用的金属材料应力集中分析方法	发明	2024. 12. 06	ZL202211028885. 7
25	一种山楂果胶寡糖及其制备方法与应用	发明	2024. 12. 20	ZL202410367179. 8
26	一种用于全氟烷基醚类羧酸的质谱方法及其应用	发明	2024. 12. 20	ZL202111385897. 0

软件著作权

序号	软件名称	发证日期	登记号	证书号
1	电子加速器辐照装置辐射安全与防护系统 V1.0	2024 年 3 月 27 日	2024SR0437036	软著登字第 12840909 号
2	无人机电磁辐射智能检测与数据分析平台 V1.0	2024 年 3 月 26 日	2024SR0433602	软著登字第 12837475 号
3	遥控飞行器电离辐射检测系统 V1.0	2024 年 3 月 26 日	2024SR0434260	软著登字第 12838133 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	Efficient discovery of active isolates from <i>Dioscorea spongiosa</i> by the combination of bioassay-guided macroporous resin column chromatography and high-speed counter-current chromatography	Journal of separation science	III	2.8	1					
2	Effect of Direct-Contact Ultrasonic and Far Infrared Combined Drying on the Drying Characteristics and Quality of Ginger	Processes	III	2.8	1					
3	Synthesis of an ordered macroporous metal-organic framework for efficient solid-phase extraction of aflatoxins from milk products	Journal of Chromatography A	II	3.8	1					
4	Construction of built-in correction photoelectrochemical sensing platform for diagnosis of Alzheimer' s disease	Biosensors and Bioelectronics	I	10.7	1			1		
5	Measurement and Correlation of Solubility of Dicyandiamide in Five Binary Solvents from 283.15 to 323.15 K	Journal of Chemical & Engineering Data	III	2	1	1				
6	Identification of different degrees of processed ginger using GC-IMS combined with machine learning	Journal of Pharmaceutical Analysis	I	6.1	1					

7	Developing ginger polysaccharide-Cr (III) complexes using ginger peel to provide enhanced in vivo anti-inflammatory activity: Fabrication, structural characterization and activity evaluation	Food Chemistry Advances			0					
8	Imprinted covalent organic frameworks solid-phase microextraction fiber for in vivo monitoring of acidic per- and polyfluoroalkyl substances in live aloe	Science of the Total Environment	I	8.2	1			1		
9	Solubility Determination, Modeling, and Thermodynamic Analysis of 3-Aminophenol in Ten Monosolvents and Three Binary Mixed Solvents	Journal of Chemical and Engineering Data	III	2	1					
10	Carboxyl-Functionalized Covalent Organic Polymer for Removal of Tobramycin and Ofloxacin from Water	ACS Applied Nano Materials	II	5.3	1					
11	Rapid, easy and catalyst-free preparation of magnetic thiourea-based covalent organic frameworks at room temperature for enrichment and speciation of mercury with HPLC-ICP-MS	Journal of Chromatography A	II	3.8	1					
12	Benthic foraminiferal assemblages in the coastal zone of the yellow river delta: Environmental significance and characteristics of microbial diversityDelta wetland, China	Continental Shelf Research	III	2.1	1					
13	Band Engineering of BiFeO ₃ Nanosheet for Boosting Hydrogen Evolution by Synergetic Piezo-photocatalysis	ACS Sustainable Chemistry & Engineering	I	7.1	1			1		

14	Single-Chain Conjugated Polymer Guests Confined inside Metal-Organic Frameworks (MOFs): Boosting the Detection and Degradation of a Sulfur Mustard Simulant	Analytical Chemistry	I	6.7	1			1		
15	Structure and properties of acidic polysaccharides isolated from <i>Massa Medicata Fermentata</i> : Neuroprotective and antioxidant activity	International Journal of Biological Macromolecules	I	7.7	1			1		
16	Solid-liquid phase equilibrium and thermodynamic properties analysis of 1,3,5-tribromobenzene in sixteen kinds of organic mono-solvents	Journal of Chemical Thermodynamics	II	2.2	1					
17	Simultaneous determination of 13 sulfonamides at trace levels in soil by modified QuEChERS with HPLC-MS/MS	Analytical Methods	III	2.7	1					
18	Construction of cholesteric liquid crystal microlens array at air/CLC/air and water/CLC/air interfaces	Colloids and Surfaces A: Physicochemical and Engineering Aspects	II	4.9	1					
19	Monodispersed and Monofunctionalized DNA-Caged Au Nano-Clusters with Enhanced Optical Properties for STED Imaging	Small	I	13.1	1			1		
20	Hydroxyl-containing triazine-based conjugated microporous polymers for solid phase extraction of fluoroquinolone antibiotics in the environment and food samples	Food Chemistry	I	8.5	1			1		
21	Correlations between the structure and anti-diabetic activity of novel polysaccharides from raw and “Nine Steaming Nine Sun-Drying” <i>Polygonatum</i> rhizome	International Journal of Biological Macromolecules	I	7.7	1			1		

22	Peony seed oil microemulsion that enhances the antioxidant, antitumor, and antibacterial activities of berberine hydrochloride	JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY	IV	1.9	1					
23	Bimetallic nanoplatform for synergistic sonodynamic-calcium overload therapy utilizing self-supplied hydrogen peroxide and relieved hypoxia	Biomaterials Science	III	5.8	1					
24	Screening and characterization of potential anti-gout components from Polygonum cuspidatum by integration off-line two-dimensional liquid chromatography-mass spectrometry with affinity ultrafiltration and on-line HPLC-ABTS	Journal of Pharmaceutical and Biomedical Analysis	II	3.1	1					
25	Fabrication of caffeoylquinic acid-loaded burdock polysaccharide nanoparticles and their antioxidant activity in hydrogen peroxide-damaged HepaRG cells	Food Chemistry: X	I	6.5	1					
26	Analyzing chemical composition of Sargentodoxae caulis water extract and their hypouricemia effect in hyperuricemic mice	Fitoterapia	III	2.5	1					
27	Remote Control of Energy Transformation-Based Cancer Imaging and Therapy	Advanced Materials	I	27.4	1			1		
28	Effective removal of two aqueous NASIDs by magnetic three-dimensional hollow Co-Ni LDH composite	Separation and Purification Technology	I	8.1	1			1		
29	Hydrogel-integrated multimodal biosensor for the detection of glucose and carcinoembryonic antigen	Sensors and Actuators: B. Chemical	I	8	1			1		
30	Solubility, Thermodynamic Parameters, and Dissolution Properties of 17- α Hydroxyprogesterone in 13 Pure Solvents	ACS Omega	III	3.7	1					

31	Efficient adsorption and advanced purification of metal ions induced by synergistic effect of amine and thione on covalent organic frameworks	Colloids and Surfaces A: Physicochemical and Engineering Aspects	II	4.9	1					
32	Solubility Determination and Correlation of 1,3,5-Tribromobenzene in Five Kinds of Binary Mixed Solvents	Journal of Solution Chemistry	IV	1.4	1					
33	Measurement, correlation and thermodynamic analysis of the solubility of dicyandiamide in three binary solvents	The Journal of Chemical Thermodynamics	II	2.2	1					
34	Simultaneous enrichment and speciation of lead and mercury by magnetic solid-phase extraction coupled to HPLC-ICP-MS based on magnetic hydrazine-linked covalent organic frameworks	Analytica Chimica Acta	I	5.7	1			1		
35	Purification of triterpenoid saponins and 25R/25S-inokosterone from Achyranthes bidentata Bl. by high-speed countercurrent chromatography coupled silver nitrate coordination	Journal of separation science	III	2.8	1					
36	Integrated Spatial Metabolomics and Transcriptomics Decipher the Hepatoprotection Mechanisms of Wedelolactone and Demethylwedelolactone on Non-alcoholic Fatty Liver Disease	Journal of Pharmaceutical Analysis	I	6.1	1					
37	A biosensor method based on surfactant-mediated surface droplet evaporation for the detection of Aflatoxin B1	Food Chemistry	I	8.5	1			1		
38	Detection of H2O2 and catalase on a paper-based flow sensor constructed with borate cross-linked PVA hydrogel	Talanta	I	5.6	1			1		

39	Insight into the dissolution behavior of valsartan (form E) in twelve pure solvents: Solubility, modelling and molecular simulation	Journal of Molecular Liquids	I	5.3	1			1		
40	Food Science and Human Wellness	Food Science and Human Wellness	I	5.6	1			1		
41	Prediction of quality markers in Maren Runchang pill for constipation using machine learning and network pharmacology	Molecular Omics	IV	3	1					
42	Design and synthesis of 6-C-alkyl-DMDP type nanomolar inhibitors of β -galactosidase and β -glucosidase based on broussonetine S and related derivatives	European Journal of Medicinal Chemistry	I	6	1			1		
43	Defect Engineering and Piezoelectrical Polarization Synergistically Assisted for Photoelectrochemical Sensing Based on CdS Nanowires	Advanced Sensor Research			0					
44	A new fern species hypodematum shandongense sp. Nov. (hypodematiaceae) from china	Bangladesh Journal of Botany	IV	0.4	1					
45	Metabolomic and transcriptomic analyses highlight metabolic regulatory networks of Salvia miltiorrhiza in response to replant disease	BMC Plant Biology	II	4.3	1			1		
46	Effect of Additives on the Morphology of γ -Aminobutyric Acid Crystals	ACS Omega	III	3.7	1			1		
47	Comprehensive exploration of riboflavin solid forms and preparation mechanism of stable forms	CHEMICAL ENGINEERING RESEARCH & DESIGN	III	3.7	1					

48	Pyrite and Sulfur Autotrophic Denitrification for Simultaneous Nitrogen and Phosphorus Removal and Greenhouse Gas Emission Reduction Potential	Environmental Engineering Science	IV	1.8	1					
49	Synthesis of a cysteine functional covalent organic framework via facile click reaction for the efficient solid phase extraction of substituted p-phenylenediamine-derived quinones	Journal of Chromatography A	II	3.8	1					
50	基于 ¹³ C 同位素标记法探究连作对丹参生长及光合碳分配的影响	山东农业科学							1	
51	基于粘度的现场快速检测方法及应用	分析试验室							1	
52	基于色差量化和 GC-IMS 对麦芽炒制程度辨别的分析	中国医院药学杂志							1	
53	山东省济南市钢城区中药资源现状调查及分析	山东科学								
54	天然多酚类成分缓解高尿酸血症及其机制研究进展	山东科学								
55	桔苓与条苓提取物对湿热型溃疡性结肠炎大鼠的药效学比较研究	中国药物警戒								
56	基于 Th17/Treg 免疫平衡研究黄芩醇提物治疗溃疡性结肠炎的作用机制	中国新药杂志							1	1
57	红果榉木叶木脂素类化学成分研究	山东科学								
58	桔苓与条苓提取物对湿热型溃疡性结肠炎大鼠肠道菌群的影响及肠黏膜屏障的保护作用机制	中国药物警戒								
59	硝化/脲酶抑制剂和生物炭对设施农业土壤微生物及碳氮循环影响的研究进展	江苏农业科学							1	
60	Comparative study of microstructure and mechanical properties of cold rolled and annealed CoCrFeNi-MEA and CoCrFeNiMn-HEA fabricated by laser energy deposition	Journal of Alloys and Compounds	II	5.8	1			1		

61	A Comprehensive Review on the Isolation, Bioactivities, and Structure–Activity Relationship of Hawthorn Pectin and Its Derived Oligosaccharides	Foods	II	4.7	1					
62	铜基材料电催化还原硝酸盐制氨研究进展	精细化工				1			1	1
63	山楂果胶寡糖对过氧化氢诱导的人胚肺成纤维细胞衰老的作用	食品工业科技							1	
64	HPLC–ABTS–DAD–ESI–TOF/MS 在线筛选柴银颗粒抗氧化成分及指纹图谱研究	中草药							1	1
65	Prevention of Crystal Agglomeration: Mechanisms, Factors, and Impact of Additives	Crystals	III	2.4	1					
66	A Butyrate–Yielding Dietary Supplement Prevents Acute Alcoholic Liver Injury by Modulating Nrf2–Mediated Hepatic Oxidative Stress and Gut Microbiota	International Journal of Molecular Sciences	II	4.9	1					
67	Determination and Correlation of the Solubility of D–Psicose in 15 Pure Solvents at Temperatures of 283.15 to 323.15 K	Journal of Chemical & Engineering Data	III	2	1	1				
68	Solid–Liquid Equilibrium of Molnupiravir in 15 Monosolvents: An Experimental and Molecular Simulation Study	Journal of Chemical & Engineering Data	III	2	1	1				
69	农杆菌介导的猪苓遗传转化体系的建立及优化	中国中药杂志							1	1
70	山药产地加工本草考证和现代研究进展	中华中医药学刊							1	
71	Comprehensive Investigation of Ginsenosides in the Steamed Panax quinquefolius with Different Processing Conditions Using LC–MS	Molecules	II	4.2	1					
72	Ultrasensitive Detection of Cancer Biomarkers Using Photonic–Crystal–Enhanced Single–Molecule Imaging	Analytical Chemistry	I	6.7	1			1		

73	Polymer organic framework-based ratiometric fluorescent probe for non-enzymatic glucose detection	Sensors and Actuators: B. Chemical	I	8	1			1		
74	Smartphone-assisted fluorescent microfluidic-chip for sensitive detection of sweat glucose via dual-sensing of O2/H2O2	Talanta	I	5.6	1			1		
75	Characterization of Inclusion Size Distributions in a Large Forged Shaft Using X-ray Micro-Computed Tomography Imaging	Steel Research International	III	1.9	1					
76	Rapid and Simultaneous Determination of 13 Sulfonamides in Soil by Matrix Solid-Phase Dispersion With High-Performance Liquid Chromatography-Tandem Mass Spectrometry	Journal of Separation Science	III	2.8	1					
77	Design, synthesis and antitumor activity evaluation of benzimidazole derivatives with potent HDAC inhibitory activity	Medicinal Chemistry Research	IV	2.6	1					
78	Solvates and Polymorphs of Axitinib: Characterization and Phase Transformation	Molecules	II	4.2	1					
79	Enhancement of Active Substances in Astragali Radix Broth with Lactic Acid Bacteria Fermentation and the Promotion Role of Chlorella Growth Factor	Fermentation	III	3.3	1					
80	Spatial Metabolomics Profiling Reveals Curcumin Induces Metabolic Reprogramming in Three-Dimensional Tumor Spheroids	Metabolites	III	3.4	1					
81	Magnetic conjugated microporous polymer for rapid extraction and sensitive analysis of environmental endocrine disruptors in environmental waters and dairy products	Analytica Chimica Acta	I	5.7	1			1		

82	Effect of TiC addition on the microstructure and properties of laser cladding Ni60A coatings on H13 steel surface	Materials Today Communications	III	3.7	1					
83	Effect of CeO ₂ on the microstructure and properties of AlCoCrFeNi _{2.1} laser cladding coatings	Journal of Alloys and Compounds	II	5.8	1			1		
84	Mass spectrometry imaging-based metabolomics highlights spatial metabolic alterations in three types of liver injuries	Journal of Pharmaceutical and Biomedical Analysis	II	3.1	1					
85	基于 GC-IMS 联合多元统计分析的泰山黄精真实性评估	分析测试学报							1	1
86	Phenylmethylsiloxanes in the typically human-impacted Xiaoqing River of China: Their distribution and degradation in both waterbodies and mussels	Journal of Hazardous Materials	I	12.2	1			1		
87	Mode I crack propagation in polydimethylsiloxane-short carbon fiber composites	Composite Structures	I	6.3	1			1		
88	A numerical study of Mullins softening effects on mode I crack propagation in viscoelastic solids	International Journal of Damage Mechanics	II	4.0	1					
89	Hydrodynamic Fluidic Pump Empowered Sensitive Recognition and Active Transport of Hydrogen Peroxide in 1D Channels	Advanced Science	I	14.3	1			1		
90	STAT4 gene polymorphisms in human diseases	Frontiers in Immunology	II	5.7	1					
91	Effect of Ultra-High-Pressure Treatment on <i>Gastrodia elata</i> Blume: Drying Characteristics, Components, and Neuroprotective Activity	Foods	II	4.7	1					

92	Highly Sensitive One-Pot Isothermal Assay Combining Rolling Circle Amplification and CRISPR/Cas12a for Aflatoxin B1 Detection	Analytical Chemistry	I	6.7	1			1		
93	Polysaccharide isolated from Dioscorea septemloba improves hyperuricemia and alleviates renal fibrosis through gut-kidney axis in mice	International Journal of Biological Macromolecules	I	7.7	1			1		
94	Alkyl Sulfonium Salts Enabled Radical Thiocyanohydroxylation of Alkenes	Organic Letters	I	4.9	1			1		
95	Chemokine receptor CXCR7 antagonism ameliorates cardiac and renal fibrosis induced by mineralocorticoid excess	Scientific Reports	II	3.8	1					
96	Electrochemically driven nonheme iron complex-catalyzed oxidation reactions using water as an oxygen source	Journal of Catalysis	I	6.5	1			1		
97	Indole-3-Acetic Acid Esterified with Waxy, Normal, and High-Amylose Maize Starches: Comparative Study on Colon-Targeted Delivery and Intestinal Health Impact	Nutrients	II	4.8	1					
98	Efficient ultrasonic extraction of alkaloids and glycosides from Camptotheca acuminata Decne via deep eutectic solvents: Kinetics and mechanisms	Separation and Purification Technology	I	8.1	1			1		
99	Efficient Solid-Phase Extraction of Neonicotinoid Insecticides from Environmental Water and Drink Samples Using a Postmodified Metal-Organic Framework	Journal of Agricultural and Food Chemistry	I	5.7	1			1		
100	Double-negative T cells with a distinct transcriptomic profile are abundant in the peripheral blood of patients with breast cancer	Breast Cancer Research and Treatment	III	3.0	1					

101	Cascade internal electric field dominated carbon nitride decorated with gold nanoparticles as SERS substrate for thiram assay	Talanta	I	5.6	1			1		
102	Genome-wide identification of glycoside hydrolase family 1 members reveals GeBGL1 and GeBGL9 for degrading gastrodin in Gastrodia elata	plant cell reports	II	5.3	1					
103	Hydrophilic molecularly imprinted thermal-responsive polymers based sorbent for ambient ionization mass spectrometric analysis of sulfonamide antibiotics from food samples	Food Chemistry	I	8.5	1			1		
104	Mechanochromic luminescent material with high quantum yield for multi-mode anti-counterfeiting applications	Chemical Engineering Journal	I	13.3	1			1		
105	Large-pore covalent organic framework as solid phase extraction absorbent for efficient determination of polypeptide antibiotics in animal-derived foods	Journal of Chromatography A	II	3.8	1					
106	High-throughput screening of multicomponent alloy compositions with optimal mechanical properties using two-step diffusion multiple: Demo in Al-Co-Cr-Fe-Ni-Ti high-entropy superalloys	Materials Science & Engineering A	I	6.1	1			1		
107	Structural characteristics of neutral polysaccharides purified from coix seed and its anti-insulin resistance effects on HepG2 cells	Food Science & Nutrition	II	3.5	1					

108	Probing High-order Protein Complexes Using Native Mass Spectrometry and Hydrogen/Deuterium Exchange Mass Spectrometry: A Case Study Using Fresh and Commercial Hemoglobin Samples	Journal of the American Society for Mass Spectrometry	II	3.1	1					
109	In situ imaging of microplastics in living organisms based on mass spectrometry technology	Eco-Environment & Health		0	1					
110	Analyzing noncovalent interactions between notoginseng saponins and lysozyme by deposition scanning intensity fading MALDI-TOF mass spectrometry	journal of mass spectrometry	III	1.9	1					
111	Efficient activation of peracetic acid by cobalt modified nitrogen-doped carbon nanotubes for drugs degradation: Performance and mechanism insight	Chemosphere	II	8.1	1			1		
112	Significant improvement of photocatalytic hydrogen evolution performance in covalent organic frameworks: substituent fine-tuning	Journal of Materials Chemistry A	II	10.7	1			1		
113	The hidden diet: Synthetic antioxidants in packaged food and their impact on human exposure and health	Environment International	I	10.3	1			1		
114	Influence of angiotensin II on the gut microbiome: modest effects in comparison to experimental factors	Cardiovascular Research	I	10.2	1			1		
115	Indole-3-acetic acid ameliorates dextran sulfate sodium-induced colitis via the ERK signaling pathway	Archives of Pharmacal Research	II	6.9	1					
116	Distance-based lateral flow biosensor for the quantitative detection of bacterial endotoxin	Chinese Chemical Letters	I	9.4	1					

117	Facile synthesis of hydroxylated triazine-based magnetic microporous organic network for ultrahigh adsorption of phenylurea herbicides: An experimental and density-functional theory study	Journal of Hazardous Materials	I	12.2	1			1		
118	Tannic acid and carboxymethyl chitosan-based multi-functional double-layered hydrogel with pH-stimulated response behavior for smart real-time infection monitoring and wound treatment	International Journal of Biological Macromolecules	I	7.7	1			1		
119	A millimeter water-in-oil droplet as an alternative back exchange prevention strategy for hydrogen/ deuterium exchange mass spectrometry of peptides/proteins	Analyst	III	3.6	1					
120	Pseudo-Second-Order Kinetic Equation for Describing the Effect of Sorbent and Sorbate Concentrations	Langmuir	II	3.7	1					
121	Enrichment of antivirally-active compounds using metal-organic frameworks tailored with QuEChER-oriented solvent adaptability and selectivity	Microchemical Journal	II	4.9	1			1		
122	Nanoemulsions Stable against Ostwald Ripening	langmuir	II	3.7	1					
123	Distance-based α -amylase biosensor fabricated with amylopectin-coated mesoporous membrane	Chinese Chemical Letters	I	9.4	1					
124	大血藤中 1 个新的黄烷-3-醇类成分	中国中药杂志							1	1
125	基于 GC-IMS 及机器学习的不同炒制程度山楂饮片的快速鉴别	中国医院药学杂志							1	
126	基于网络药理学及分子对接探究荷叶生物碱抗高尿酸血症的作用机制	食品工业科技							1	

127	不同提取方式对炒麦芽多糖抗氧化 及降血糖活性的影响	食品研究与开发								
128	基于 G E O 数据库结合网络药理学及分子对接逆向挖掘干预肝癌的中药	山东科学								
129	基于 CRITIC 结合响应面法优化山药超高压热风干燥工艺	食品工业科技							1	
130	枯苓与条苓提取物对湿热型溃疡性结肠炎大鼠 Th17/Treg 免疫失衡 的调节机制研究	中国药物警戒								
131	基于 UPLC-Q-TOF-MS / MS 和 MALDI-MSI 的 多蒸西洋参皂苷成分识别及可视化分析	中国中药杂志							1	1
132	Maternal Diet and Gut Microbiota Influence Predisposition to Cardiovascular Disease in Offspring	Circulation Research	I	16.5	1			1		
133	Spatiotemporally resolved approach for profiling ferroptosis-associated metabolic vulnerabilities in tumors using mass spectrometry imaging and stable isotope tracing	Analytical Chemistry	I	6.7	1			1		
134	Visualizing the transdermal delivery of berberine loaded within chitosan microneedles using mass spectrometry imaging	Analytical and Bioanalytical Chemistry	II	3.8	1					
135	A portable lateral flow distance-based paper sensor for drinking water hardness test	PLOS ONE	III	2.9	1					
136	Subcritical water extraction of polysaccharides from Gastrodiae Rhizoma: optimization, characterization and in vitro hepatoprotective activity	Preparative biochemistry & biotechnology	IV	2.0	1					
137	Graphitic Carbon Nitride Confers Bacterial Tolerance to Antibiotics in Wastewater Relating to ATP Depletion	Molecules	II	4.2	1					

138	Bioaccessibility of lead and cadmium in soils around typical lead acid power plants and their efect on gut microorganisms	Environmental Geochemistry and Health	III	3.2	1					
139	Flexible substrate-based mass spectrometry platform for in situ non-destructive molecular imaging of living plants	Plant Biotechnology Journal	I	10.5	1			1		

标准

序号	标准名称	标准号	标准类别	批准日期	实施日期
1	异辛烷中 2,2',3,4,4',5',6-七溴二苯醚溶液标准物质	编号：GBW（E）086088 [2024] 国标物证字第 6045 号	国家标准物质	2024 年 11 月 16 日	
2	异辛烷中 2,2',4,4',5,6'-六溴二苯醚溶液标准物质	编号：GBW（E）086087 [2024] 国标物证字第 6044 号	国家标准物质	2024 年 11 月 16 日	
3	异辛烷中 2,2',4,4',5,5'-六溴二苯醚溶液标准物质	编号：GBW（E）086086 [2024] 国标物证字第 6043 号	国家标准物质	2024 年 11 月 16 日	
4	异辛烷中 2,2',4,4'-四溴二苯醚溶液标准物质	编号：GBW（E）086084 [2024] 国标物证字第 6041 号	国家标准物质	2024 年 11 月 16 日	
5	异辛烷中 2,2',4,4',6-五溴二苯醚溶液标准物质	编号：GBW（E）086085 [2024] 国标物证字第 6042 号	国家标准物质	2024 年 11 月 16 日	
6	D-氨基葡萄糖盐酸盐纯度标准样品	证书及编号：311-2023 国家标准样品编号及批号： GSB11-4147-2023	国家标准样品	2023 年 12 月 28 日	有效期：2023 年 2 月至 2024 年 7 月
7	N-乙酰氨基葡萄糖纯度标准样品	证书及编号：312-2023 国家标准样品编号及批号： GSB 11-4148-2023	国家标准样品	2023 年 12 月 28 日	有效期：2023 年 2 月至 2024 年 7 月
8	质谱成像技术空间代谢组学通用要求	T/SAS 0027-2024	团体标准	2024 年 12 月 25 日	2024 年 12 月 25 日
9	绿原酸纯度标准样品	证书及编号：329-2023 国家标准样品编号及批号： GSB11-3240-F01-2023	国家标准样品	2023 年 12 月 28 日	有效期：2022 年 12 月至 2024 年 11 月

著作

序号	著作名称	出版社	作者	ISBN 国际标准书号
1	食品粉体工程技术	科学出版社	崔莉（第9位编委）	978-7-03-078771-2
2	山区河流生态修复理论与案例	中国环境出版集团·北京	赵长盛、郭贝贝、李青、张婧 （副主编）	978-7-5111-5937-3

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	新型污染物分析关键技术及系列设备研发	2023 年度山东省科学技术进步奖	二等奖	山东省人民政府	2024 年 5 月
2	中药材生态种植理论和技术体系的构建及示范应用	国家科学技术进步奖	二等奖	中国共产党中央委员会、中华人民共和国国务院	2024 年 6 月
3	高效功能性膳食纤维开发关键技术创新及应用	山东省食品科学技术学会技术进步奖	二等奖	山东省食品科学技术学会	2024 年 9 月
4	液晶生物传感体系的构建新方法研究	2024 年度中国分析测试协会分析测试科学奖	二等奖	中国分析测试协会	2024 年 10 月
5	食品质量检测关键器件及成套设备研发	山东省电器仪表工业科学技术奖	一等奖	山东电器仪表工业协会	2024 年 10 月
6	天然药物的靶向提取利用系统——精准“靶”控，智萃药源	第十四届“挑战杯”山东省大学生创业计划竞赛金奖	金奖	中国共产主义青年团山东省委员会、山东省教育厅、山东省科学技术协会、山东省学生联合会	2024 年 8 月
7	大容量海上风电主轴系统制造关键技术研发及产业化	2023 年中国产学研合作创新与促进奖产学研合作创新成果奖	优秀奖	中国产学研合作促进会	2024 年 1 月

平台建设

序号	平台名称	依托单位	平台类别	平台来源
1	山东省环境与生物科学国际联合实验室	山东省分析测试中心	国际联合实验室	山东省科学技术厅