

Ming-Ming Zheng

List of Publications by Year in descending order

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81
papers

2,473
citations

147801

31
h-index

223800

46
g-index

81
all docs

81
docs citations

81
times ranked

2881
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective sample pretreatment by molecularly imprinted polymer monolith for the analysis of fluoroquinolones from milk samples. <i>Journal of Chromatography A</i> , 2010, 1217, 2075-2081.	3.7	138
2	In-tube solid-phase microextraction based on hybrid silica monolith coupled to liquid chromatography–mass spectrometry for automated analysis of ten antidepressants in human urine and plasma. <i>Journal of Chromatography A</i> , 2010, 1217, 7493-7501.	3.7	111
3	Monitoring of sulfonamide antibacterial residues in milk and egg by polymer monolith microextraction coupled to hydrophilic interaction chromatography/mass spectrometry. <i>Analytica Chimica Acta</i> , 2008, 625, 160-172.	5.4	86
4	Carbon Nanoparticle-Stabilized Pickering Emulsion as a Sustainable and High-Performance Interfacial Catalysis Platform for Enzymatic Esterification/Transesterification. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7619-7629.	6.7	84
5	Fluorometric probing of the lipase level as acute pancreatitis biomarkers based on interfacially controlled aggregation-induced emission (AIE). <i>Chemical Science</i> , 2017, 8, 6188-6195.	7.4	82
6	Hybrid organic–inorganic octyl monolithic column for in-tube solid-phase microextraction coupled to capillary high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2007, 1164, 48-55.	3.7	77
7	Multiresidue determination of sulfonamides in chicken meat by polymer monolith microextraction and capillary zone electrophoresis with field-amplified sample stacking. <i>Journal of Chromatography A</i> , 2008, 1205, 163-170.	3.7	73
8	Immobilization of <i>Candida rugosa</i> lipase on hydrophobic/strong cation-exchange functional silica particles for biocatalytic synthesis of phytosterol esters. <i>Bioresource Technology</i> , 2012, 115, 141-146.	9.6	69
9	MoS ₂ nanosheet-based fluorescent biosensor for protein detection via terminal protection of small-molecule-linked DNA and exonuclease III-aided DNA recycling amplification. <i>Biosensors and Bioelectronics</i> , 2015, 74, 227-232.	10.1	67
10	Hybrid organic–inorganic silica monolith with hydrophobic/strong cation-exchange functional groups as a sorbent for micro-solid phase extraction. <i>Journal of Chromatography A</i> , 2009, 1216, 7739-7746.	3.7	63
11	Fabrication of cellulose nanowhiskers reinforced chitosan-xylan nanocomposite films with antibacterial and antioxidant activities. <i>Carbohydrate Polymers</i> , 2018, 184, 66-73.	10.2	62
12	Evaluating polymer monolith in-tube solid-phase microextraction coupled to liquid chromatography/quadrupole time-of-flight mass spectrometry for reliable quantification and confirmation of quinolone antibacterials in edible animal food. <i>Journal of Chromatography A</i> , 2009, 1216, 7510-7519.	3.7	59
13	Cellulose-Based Composite Macrogels from Cellulose Fiber and Cellulose Nanofiber as Intestine Delivery Vehicles for Probiotics. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 339-345.	5.2	59
14	Folate mediated self-assembled phytosterol-alginate nanoparticles for targeted intracellular anticancer drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 129, 63-70.	5.0	58
15	Ultrasonic pretreatment for lipase-catalyzed synthesis of phytosterol esters with different acyl donors. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 1015-1020.	8.2	56
16	Preparation of organic–inorganic hybrid silica monolith with octyl and sulfonic acid groups for capillary electrochromatography and application in determination of theophylline and caffeine in beverage. <i>Journal of Chromatography A</i> , 2010, 1217, 3547-3556.	3.7	51
17	Immobilization of <i>Candida rugosa</i> lipase on magnetic poly(allyl glycidyl ether-co-ethylene glycol) Tj ETQq1 1 0.784314 rgBT /Overlock <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 74, 16-23.	1.8	51
18	Ultrasound irradiation promoted lipase-catalyzed synthesis of flavonoid esters with unsaturated fatty acids. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 95, 82-88.	1.8	51

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19	Removal of methyl orange from aqueous solutions by adsorption on cellulose hydrogel assisted with Fe ₂ O ₃ nanoparticles. <i>Cellulose</i> , 2017, 24, 903-914.	4.9	51
20	Facile preparation of magnetic carbon nanotubes-immobilized lipase for highly efficient synthesis of 1,3-dioleoyl-2-palmitoylglycerol-rich human milk fat substitutes. <i>Food Chemistry</i> , 2017, 228, 476-483.	8.2	46
21	Lipase Immobilization on Hyper-Cross-Linked Polymer-Coated Silica for Biocatalytic Synthesis of Phytosterol Esters with Controllable Fatty Acid Composition. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 231-237.	5.2	43
22	A novel fluorometric turn-on assay for lipase activity based on an aggregation-induced emission (AIE) luminogen. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 765-771.	7.8	43
23	A Rapid and Ultrasensitive Tetraphenylethylene-Based Probe with Aggregation-Induced Emission for Direct Detection of I±-Amylase in Human Body Fluids. <i>Analytical Chemistry</i> , 2018, 90, 13775-13782.	6.5	39
24	Development of in-tube solid-phase microextraction coupled to pressure-assisted CEC and its application to the analysis of propranolol enantiomers in human urine. <i>Electrophoresis</i> , 2007, 28, 2771-2780.	2.4	38
25	Ultrasound-Assisted Interfacial Immobilization of Lipase on Hollow Mesoporous Silica Spheres in a Pickering Emulsion System: A Hyperactive and Sustainable Biocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17280-17290.	6.7	34
26	Formation and stabilization mechanism of Î²-cyclodextrin inclusion complex with C10 aroma molecules. <i>Food Hydrocolloids</i> , 2022, 123, 107013.	10.7	34
27	Polymer monolith microextraction combined with electrothermal vaporization inductively coupled plasma mass spectrometry for the determination of trace Cd, Tl, and Pb in human serum and urine. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 76-82.	3.0	33
28	Combining poly (methacrylic acidâ€œethylene glycol dimethacrylate) monolith microextraction and octadecyl phosphonic acidâ€œmodified zirconiaâ€œcoated CEC with fieldâ€œenhanced sample injection for analysis of antidepressants in human plasma and urine. <i>Electrophoresis</i> , 2010, 31, 714-723.	2.4	33
29	A mixed-function-grafted magnetic mesoporous hollow silica microsphere immobilized lipase strategy for ultrafast transesterification in a solvent-free system. <i>RSC Advances</i> , 2015, 5, 43074-43080.	3.6	33
30	Enzymatic deacidification of the rice bran oil and simultaneous preparation of phytosterol esters-enriched functional oil catalyzed by immobilized lipase arrays. <i>RSC Advances</i> , 2015, 5, 70073-70079.	3.6	33
31	Polymer monolith microextraction online coupled to hydrophilic interaction chromatography/mass spectrometry for analysis of Î²₂-agonist in human urine. <i>Journal of Separation Science</i> , 2009, 32, 1965-1974.	2.5	32
32	Fluorescence switching sensor for sensitive detection of sinapine using carbon quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 482-488.	7.8	32
33	Lipase immobilized in ordered mesoporous silica: A powerful biocatalyst for ultrafast kinetic resolution of racemic secondary alcohols. <i>Process Biochemistry</i> , 2017, 53, 102-108.	3.7	29
34	Constructing a Continuous Flow Bioreactor Based on a Hierarchically Porous Cellulose Monolith for Ultrafast and Nonstop Enzymatic Esterification/Transesterification. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2056-2063.	6.7	29
35	Flaxseed Oil Containing <i>Î±</i>-Linolenic Acid Ester of Plant Sterol Improved Atherosclerosis in ApoE Deficient Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-17.	4.0	27
36	Production of Novel â€œFunctional Oilâ€œ Rich in Diglycerides and Phytosterol Esters with â€œOne-Potâ€œ Enzymatic Transesterification. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 5142-5148.	5.2	25

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37	A novel candidate for wound dressing: Transparent porous maghemite/cellulose nanocomposite membranes with controlled release of doxorubicin from a simple approach. <i>Materials Science and Engineering C</i> , 2017, 79, 84-92.	7.3	25
38	Preparation of Immobilized Lipase Based on Hollow Mesoporous Silica Spheres and Its Application in Ester Synthesis. <i>Molecules</i> , 2019, 24, 395.	3.8	25
39	Preparation of Carriers Based on ZnO Nanoparticles Decorated on Graphene Oxide (GO) Nanosheets for Efficient Immobilization of Lipase from <i>Candida rugosa</i> . <i>Molecules</i> , 2017, 22, 1205.	3.8	23
40	Ultrasound irradiation promoted enzymatic alcoholysis for synthesis of monoglycerol phenolic acids in a solvent-free system. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 120-126.	8.2	23
41	Effects of microwave irradiation on the distribution of sinapic acid and its derivatives in rapeseed and the antioxidant evaluation. <i>LWT - Food Science and Technology</i> , 2019, 108, 310-318.	5.2	22
42	Enzymatic preparation of α -functional oil-rich in feruloylated structured lipids with solvent-free ultrasound pretreatment. <i>Food Chemistry</i> , 2018, 248, 272-278.	8.2	21
43	Plant sterol ester of α -linolenic acid ameliorates high-fat diet-induced nonalcoholic fatty liver disease in mice: association with regulating mitochondrial dysfunction and oxidative stress via activating AMPK signaling. <i>Food and Function</i> , 2021, 12, 2171-2188.	4.6	21
44	Dietary canolol induces apoptosis in human cervical carcinoma HeLa cells through ROS-MAPK mediated mitochondrial signaling pathway: In vitro and in vivo. <i>Chemico-Biological Interactions</i> , 2019, 300, 138-150.	4.0	20
45	Immobilized Lipase Based on Hollow Mesoporous Silicon Spheres for Efficient Enzymatic Synthesis of Resveratrol Ester Derivatives. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 9067-9075.	5.2	20
46	<i>Candida rugosa</i> lipase covalently immobilized on facilely-synthesized carbon nitride nanosheets as a novel biocatalyst. <i>RSC Advances</i> , 2018, 8, 14229-14236.	3.6	19
47	Intelligent biogenic amine-responsive fluorescent label for visual and real-time monitoring of seafood freshness. <i>Food Chemistry</i> , 2022, 388, 132963.	8.2	19
48	Effect of the dispersants on Pd species and catalytic activity of supported palladium catalyst. <i>Applied Surface Science</i> , 2017, 400, 148-153.	6.1	18
49	Sinapic acid derivatives in microwave-pretreated rapeseeds and minor components in oils. <i>Journal of Food Composition and Analysis</i> , 2020, 87, 103394.	3.9	18
50	Magnetic Switchable Pickering Interfacial Biocatalysis: One-Pot Cascade Synthesis of Phytosterol Esters from High-Acid Value Oil. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12070-12078.	6.7	17
51	Ultrasonic pretreatment for lipase-catalyzed synthesis of 4-methoxy cinnamoyl glycerol. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 93, 73-78.	1.8	16
52	Novel amphiphilic polyvinylpyrrolidone functionalized silicone particles as carrier for low-cost lipase immobilization. <i>Royal Society Open Science</i> , 2018, 5, 172368.	2.4	16
53	Quantum dots-based label-free fluorescence sensor for sensitive and non-enzymatic detection of caffeic acid. <i>Talanta</i> , 2015, 141, 182-187.	5.5	15
54	Dietary polyphenol canolol from rapeseed oil attenuates oxidative stress-induced cell damage through the modulation of the p38 signaling pathway. <i>RSC Advances</i> , 2018, 8, 24338-24345.	3.6	15

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55	An efficient and robust continuous-flow bioreactor for the enzymatic preparation of phytosterol esters based on hollow lipase microarray. <i>Food Chemistry</i> , 2022, 372, 131256.	8.2	15
56	Rapid and sensitive determination of Sudan dyes in hot chilli products by solid-phase extraction directly combined with time-of-flight mass spectrometry. <i>Analytical Methods</i> , 2011, 3, 1851.	2.7	14
57	Single frequency intake of $\hat{\iota}$ -linolenic acid rich phytosterol esters attenuates atherosclerosis risk factors in hamsters fed a high fat diet. <i>Lipids in Health and Disease</i> , 2016, 15, 23.	3.0	14
58	pH-Switchable Pickering Interfacial Biocatalysis: One-Pot Enzymatic Synthesis of Phytosterol Esters with Low-Value Rice Bran Oil. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6963-6972.	6.7	12
59	Deacidification of high-acid rice bran oil by the tandem continuous-flow enzymatic reactors. <i>Food Chemistry</i> , 2022, 393, 133440.	8.2	12
60	Development of poly (lactic acid) microspheres and their potential application in Pickering emulsions stabilization. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 105-111.	7.5	11
61	Mercury ion-mediated $\hat{\iota}$ emolecular beacon $\hat{\iota}$ integrating with hybridization chain reaction: Application to fluorescence turn-on detection of glutathione by using quantum dots and Ru complex. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 159-166.	7.8	11
62	Solid base catalysts for production of fatty acid methyl esters. <i>Renewable Energy</i> , 2013, 53, 377-383.	8.9	10
63	Self-Assembled Phytosterol-Fructose-Chitosan Nanoparticles as a Carrier of Anticancer Drug. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 5935-5941.	0.9	9
64	Plant Sterol Ester of $\hat{\iota}$ -Linolenic Acid Attenuates Nonalcoholic Fatty Liver Disease by Rescuing the Adaption to Endoplasmic Reticulum Stress and Enhancing Mitochondrial Biogenesis. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-14.	4.0	9
65	Bifunctional Heterometallic Metal-Organic Frameworks for Solvent-Free Heterogeneous Cascade Catalysis. <i>Catalysts</i> , 2020, 10, 309.	3.5	9
66	Ambient observations indicating an increasing effectiveness of ammonia control in wintertime PM2.5 reduction in Central China. <i>Science of the Total Environment</i> , 2022, 824, 153708.	8.0	9
67	Preparation of immobilized Alcalase based on metal affinity for efficient production of bioactive peptides. <i>LWT - Food Science and Technology</i> , 2022, 162, 113505.	5.2	8
68	Ameliorative effects of canolol against acrylamide toxicity in PC12 cells through modulating MAPKs pathway and autophagy. <i>Journal of Functional Foods</i> , 2020, 75, 104257.	3.4	7
69	Plant sterol ester of $\hat{\iota}$ -linolenic acid improved non-alcoholic fatty liver disease by attenuating endoplasmic reticulum stress-triggered apoptosis via activation of the AMPK. <i>Journal of Nutritional Biochemistry</i> , 2022, 107, 109072.	4.2	7
70	High-level expression and biochemical characterization of a novel cold-active lipase from <i>Rhizomucor endophyticus</i> . <i>Biotechnology Letters</i> , 2016, 38, 2127-2135.	2.2	5
71	Novel bacterial cellulose-TiO ₂ stabilized Pickering emulsion for photocatalytic degradation. <i>Cellulose</i> , 2022, 29, 5223-5234.	4.9	5
72	The unconventional adverse effects of fungal pretreatment on iturin A fermentation by <i>Bacillus amyloliquefaciens</i> CX $\hat{\iota}$ 20. <i>Microbial Biotechnology</i> , 2021, 14, 587-599.	4.2	4

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73	Improvement of collagen self-assembly and thermal stability in the presence of trehalose. <i>New Journal of Chemistry</i> , 2022, 46, 9264-9271.	2.8	4
74	Highly selective allylic oxidation of cyclohexene over molybdenum-doped manganese oxide catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 120, 567-578.	1.7	3
75	Alcalase Microarray Base on Metal Ion Modified Hollow Mesoporous Silica Spheres as a Sustainable and Efficient Catalysis Platform for Proteolysis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 565.	4.1	3
76	Ultrasonic-promoted enzymatic preparation, identification and multi-active studies of nature-identical phenolic acid glycerol derivatives. <i>RSC Advances</i> , 2020, 10, 11139-11147.	3.6	3
77	A cationic conjugated polymer and graphene oxide: Application to amplified fluorescence detection of sinapine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 203, 370-374.	3.9	2
78	Enhanced desorption of cationic and anionic metals/metalloids from co-contaminated soil by tetrapolyphosphate washing and followed by ferrous sulfide treatment. <i>Environmental Pollution</i> , 2022, 296, 118688.	7.5	2
79	Effect of Ultrasound or Microwave-Assisted Germination on Nutritional Properties in Flaxseed (<i>Linum usitatissimum</i> L.) with Enhanced Antioxidant Activity. <i>ACS Food Science & Technology</i> , 2021, 1, 1456-1463.	2.7	1
80	Highlights of the Fifth International Symposium on Lipid Science and Health. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 8891-8894.	5.2	0
81	Introduction to the International Symposium on Lipid Science and Health and research progress in lipid science and health. <i>Oil Crop Science</i> , 2021, 6, 159-163.	2.0	0