Ming-Ming Zheng

List of Publications by Year
in descending order

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81	2,473	147801	223800
papers	citations	31 h-index	46 g-index

81	81	81	2881
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An efficient and robust continuous-flow bioreactor for the enzymatic preparation of phytosterol esters based on hollow lipase microarray. Food Chemistry, 2022, 372, 131256.	8.2	15
2	Formation and stabilization mechanism of Î²-cyclodextrin inclusion complex with C10 aroma molecules. Food Hydrocolloids, 2022, 123, 107013.	10.7	34
3	Enhanced desorption of cationic and anionic metals/metalloids from co-contaminated soil by tetrapolyphosphate washing and followed by ferrous sulfide treatment. Environmental Pollution, 2022, 296, 118688.	7.5	2
4	Ambient observations indicating an increasing effectiveness of ammonia control in wintertime PM2.5 reduction in Central China. Science of the Total Environment, 2022, 824, 153708.	8.0	9
5	Improvement of collagen self-assembly and thermal stability in the presence of trehalose. New Journal of Chemistry, 2022, 46, 9264-9271.	2.8	4
6	Intelligent biogenic amine-responsive fluorescent label for visual and real-time monitoring of seafood freshness. Food Chemistry, 2022, 388, 132963.	8.2	19
7	Novel bacterial cellulose-TiO2 stabilized Pickering emulsion for photocatalytic degradation. Cellulose, 2022, 29, 5223-5234.	4.9	5
8	Preparation of immobilized Alcalase based on metal affinity for efficient production of bioactive peptides. LWT - Food Science and Technology, 2022, 162, 113505.	5.2	8
9	pH-Switchable Pickering Interfacial Biocatalysis: One-Pot Enzymatic Synthesis of Phytosterol Esters with Low-Value Rice Bran Oil. ACS Sustainable Chemistry and Engineering, 2022, 10, 6963-6972.	6.7	12
10	Plant sterol ester of Î±-linolenic acid improved non-alcoholic fatty liver disease by attenuating endoplasmic reticulum stress-triggered apoptosis via activation of the AMPK. Journal of Nutritional Biochemistry, 2022, 107, 109072.	4.2	7
11	Deacidification of high-acid rice bran oil by the tandem continuous-flow enzymatic reactors. Food Chemistry, 2022, 393, 133440.	8.2	12
12	The unconventional adverse effects of fungal pretreatment on iturin A fermentation by Bacillus amyloliquefaciens CXâ€20. Microbial Biotechnology, 2021, 14, 587-599.	4.2	4
13	Plant sterol ester of Î±-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. Food and Function, 2021, 12, 2171-2188.	4.6	21
14	Immobilized Lipase Based on Hollow Mesoporous Silicon Spheres for Efficient Enzymatic Synthesis of Resveratrol Ester Derivatives. Journal of Agricultural and Food Chemistry, 2021, 69, 9067-9075.	5.2	20
15	Highlights of the Fifth International Symposium on Lipid Science and Health. Journal of Agricultural and Food Chemistry, 2021, 69, 8891-8894.	5.2	0
16	Magnetic Switchable Pickering Interfacial Biocatalysis: One-Pot Cascade Synthesis of Phytosterol Esters from High-Acid Value Oil. ACS Sustainable Chemistry and Engineering, 2021, 9, 12070-12078.	6.7	17
17	Effect of Ultrasound or Microwave-Assisted Germination on Nutritional Properties in Flaxseed (Linum usitatissimum L.) with Enhanced Antioxidant Activity. ACS Food Science & Technology, 2021, 1, 1456-1463.	2.7	1
18	Introduction to the International Symposium on Lipid Science and Health and research progress in lipid science and health. Oil Crop Science, 2021, 6, 159-163.	2.0	0

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19	Sinapic acid derivatives in microwave-pretreated rapeseeds and minor components in oils. Journal of Food Composition and Analysis, 2020, 87, 103394.	3.9	18
20	Ameliorative effects of canolol against acrylamide toxicity in PC12 cells through modulating MAPKs pathway and autophagy. Journal of Functional Foods, 2020, 75, 104257.	3.4	7
21	Ultrasound-Assisted Interfacial Immobilization of Lipase on Hollow Mesoporous Silica Spheres in a Pickering Emulsion System: A Hyperactive and Sustainable Biocatalyst. ACS Sustainable Chemistry and Engineering, 2020, 8, 17280-17290.	6.7	34
22	Alcalase Microarray Base on Metal Ion Modified Hollow Mesoporous Silica Spheres as a Sustainable and Efficient Catalysis Platform for Proteolysis. Frontiers in Bioengineering and Biotechnology, 2020, 8, 565.	4.1	3
23	Ultrasonic-promoted enzymatic preparation, identification and multi-active studies of nature-identical phenolic acid glycerol derivatives. RSC Advances, 2020, 10, 11139-11147.	3.6	3
24	Bifunctional Heterometallic Metal-Organic Frameworks for Solvent-Free Heterogeneous Cascade Catalysis. Catalysts, 2020, 10, 309.	3.5	9
25	Carbon Nanoparticle-Stabilized Pickering Emulsion as a Sustainable and High-Performance Interfacial Catalysis Platform for Enzymatic Esterification/Transesterification. ACS Sustainable Chemistry and Engineering, 2019, 7, 7619-7629.	6.7	84
26	Effects of microwave irradiation on the distribution of sinapic acid and its derivatives in rapeseed and the antioxidant evaluation. LWT - Food Science and Technology, 2019, 108, 310-318.	5.2	22
27	Preparation of Immobilized Lipase Based on Hollow Mesoporous Silica Spheres and Its Application in Ester Synthesis. Molecules, 2019, 24, 395.	3.8	25
28	Plant Sterol Ester of Î±-Linolenic Acid Attenuates Nonalcoholic Fatty Liver Disease by Rescuing the Adaption to Endoplasmic Reticulum Stress and Enhancing Mitochondrial Biogenesis. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-14.	4.0	9
29	Dietary canolol induces apoptosis in human cervical carcinoma HeLa cells through ROS-MAPK mediated mitochondrial signaling pathway: InÂvitro and inÂvivo. Chemico-Biological Interactions, 2019, 300, 138-150.	4.0	20
30	Constructing a Continuous Flow Bioreactor Based on a Hierarchically Porous Cellulose Monolith for Ultrafast and Nonstop Enzymatic Esterification/Transesterification. ACS Sustainable Chemistry and Engineering, 2019, 7, 2056-2063.	6.7	29
31	Candida rugosa lipase covalently immobilized on facilely-synthesized carbon nitride nanosheets as a novel biocatalyst. RSC Advances, 2018, 8, 14229-14236.	3.6	19
32	Enzymatic preparation of â€œfunctional oilâ€•rich in feruloylated structured lipids with solvent-free ultrasound pretreatment. Food Chemistry, 2018, 248, 272-278.	8.2	21
33	Fabrication of cellulose nanowhiskers reinforced chitosan-xylan nanocomposite films with antibacterial and antioxidant activities. Carbohydrate Polymers, 2018, 184, 66-73.	10.2	62
34	Ultrasound irradiation promoted enzymatic alcoholysis for synthesis of monoglyceryl phenolic acids in a solvent-free system. Ultrasonics Sonochemistry, 2018, 41, 120-126.	8.2	23
35	Cellulose-Based Composite Macrogels from Cellulose Fiber and Cellulose Nanofiber as Intestine Delivery Vehicles for Probiotics. Journal of Agricultural and Food Chemistry, 2018, 66, 339-345.	5.2	59
36	Development of poly (lactic acid) microspheres and their potential application in Pickering emulsions stabilization. International Journal of Biological Macromolecules, 2018, 108, 105-111.	7.5	11

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37	A Rapid and Ultrasensitive Tetraphenylethylene-Based Probe with Aggregation-Induced Emission for Direct Detection of Î±-Amylase in Human Body Fluids. Analytical Chemistry, 2018, 90, 13775-13782.	6.5	39
38	Novel amphiphilic polyvinylpyrrolidone functionalized silicone particles as carrier for low-cost lipase immobilization. Royal Society Open Science, 2018, 5, 172368.	2.4	16
39	A cationic conjugated polymer and graphene oxide: Application to amplified fluorescence detection of sinapine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 203, 370-374.	3.9	2
40	Dietary polyphenol canolol from rapeseed oil attenuates oxidative stress-induced cell damage through the modulation of the p38 signaling pathway. RSC Advances, 2018, 8, 24338-24345.	3.6	15
41	Mercury ion-mediated â€œmolecular beaconâ€•integrating with hybridization chain reaction: Application to fluorescence turn-on detection of glutathione by using quantum dots and Ru complex. Sensors and Actuators B: Chemical, 2018, 273, 159-166.	7.8	11
42	Facile preparation of magnetic carbon nanotubes-immobilized lipase for highly efficient synthesis of 1,3-dioleoyl-2-palmitoylglycerol-rich human milk fat substitutes. Food Chemistry, 2017, 228, 476-483.	8.2	46
43	A novel candidate for wound dressing: Transparent porous maghemite/cellulose nanocomposite membranes with controlled release of doxorubicin from a simple approach. Materials Science and Engineering C, 2017, 79, 84-92.	7.3	25
44	Fluorometric probing of the lipase level as acute pancreatitis biomarkers based on interfacially controlled aggregation-induced emission (AIE). Chemical Science, 2017, 8, 6188-6195.	7.4	82
45	Highly selective allylic oxidation of cyclohexene over molybdenum-doped manganese oxide catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2017, 120, 567-578.	1.7	3
46	Effect of the dispersants on Pd species and catalytic activity of supported palladium catalyst. Applied Surface Science, 2017, 400, 148-153.	6.1	18
47	Lipase immobilized in ordered mesoporous silica: A powerful biocatalyst for ultrafast kinetic resolution of racemic secondary alcohols. Process Biochemistry, 2017, 53, 102-108.	3.7	29
48	Removal of methyl orange from aqueous solutions by adsorption on cellulose hydrogel assisted with Fe2O3 nanoparticles. Cellulose, 2017, 24, 903-914.	4.9	51
49	Fluorescence switching sensor for sensitive detection of sinapine using carbon quantum dots. Sensors and Actuators B: Chemical, 2017, 241, 482-488.	7.8	32
50	A novel fluorometric turn-on assay for lipase activity based on an aggregation-induced emission (AIE) luminogen. Sensors and Actuators B: Chemical, 2017, 238, 765-771.	7.8	43
51	Preparation of Carriers Based on ZnO Nanoparticles Decorated on Graphene Oxide (GO) Nanosheets for Efficient Immobilization of Lipase from Candida rugosa. Molecules, 2017, 22, 1205.	3.8	23
52	High-level expression and biochemical characterization of a novel cold-active lipase from Rhizomucor endophyticus. Biotechnology Letters, 2016, 38, 2127-2135.	2.2	5
53	Single frequency intake of Î±-linolenic acid rich phytosterol esters attenuates atherosclerosis risk factors in hamsters fed a high fat diet. Lipids in Health and Disease, 2016, 15, 23.	3.0	14
54	Flaxseed Oil ContainingÎ±-Linolenic Acid Ester of Plant Sterol Improved Atherosclerosis in ApoE Deficient Mice. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-17.	4.0	27

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55	MoS2 nanosheet-based fluorescent biosensor for protein detection via terminal protection of small-molecule-linked DNA and exonuclease III-aided DNA recycling amplification. Biosensors and Bioelectronics, 2015, 74, 227-232.	10.1	67
56	Quantum dots-based label-free fluorescence sensor for sensitive and non-enzymatic detection of caffeic acid. Talanta, 2015, 141, 182-187.	5.5	15
57	A mixed-function-grafted magnetic mesoporous hollow silica microsphere immobilized lipase strategy for ultrafast transesterification in a solvent-free system. RSC Advances, 2015, 5, 43074-43080.	3.6	33
58	Folate mediated self-assembled phytosterol-alginate nanoparticles for targeted intracellular anticancer drug delivery. Colloids and Surfaces B: Biointerfaces, 2015, 129, 63-70.	5.0	58
59	Enzymatic deacidification of the rice bran oil and simultaneous preparation of phytosterol esters-enriched functional oil catalyzed by immobilized lipase arrays. RSC Advances, 2015, 5, 70073-70079.	3.6	33
60	Production of Novel â€œFunctional Oilâ€•Rich in Diglycerides and Phytosterol Esters with â€œOne-Potâ€• Enzymatic Transesterification. Journal of Agricultural and Food Chemistry, 2014, 62, 5142-5148.	5.2	25
61	Solid base catalysts for production of fatty acid methyl esters. Renewable Energy, 2013, 53, 377-383.	8.9	10
62	Ultrasonic pretreatment for lipase-catalyzed synthesis of 4-methoxy cinnamoyl glycerol. Journal of Molecular Catalysis B: Enzymatic, 2013, 93, 73-78.	1.8	16
63	Lipase Immobilization on Hyper-Cross-Linked Polymer-Coated Silica for Biocatalytic Synthesis of Phytosterol Esters with Controllable Fatty Acid Composition. Journal of Agricultural and Food Chemistry, 2013, 61, 231-237.	5.2	43
64	Ultrasound irradiation promoted lipase-catalyzed synthesis of flavonoid esters with unsaturated fatty acids. Journal of Molecular Catalysis B: Enzymatic, 2013, 95, 82-88.	1.8	51
65	Self-Assembled Phytosterol-Fructose-Chitosan Nanoparticles as a Carrier of Anticancer Drug. Journal of Nanoscience and Nanotechnology, 2013, 13, 5935-5941.	0.9	9
66	Immobilization of Candida rugosa lipase on hydrophobic/strong cation-exchange functional silica particles for biocatalytic synthesis of phytosterol esters. Bioresource Technology, 2012, 115, 141-146.	9.6	69
67	Immobilization of Candida rugosa lipase on magnetic poly(allyl glycidyl ether-co-ethylene glycol) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Journal of Molecular Catalysis B: Enzymatic, 2012, 74, 16-23.	1.8	51
68	Ultrasonic pretreatment for lipase-catalyed synthesis of phytosterol esters with different acyl donors. Ultrasonics Sonochemistry, 2012, 19, 1015-1020.	8.2	56
69	Rapid and sensitive determination of Sudan dyes in hot chilli products by solid-phase extraction directly combined with time-of-flight mass spectrometry. Analytical Methods, 2011, 3, 1851.	2.7	14
70	Combining poly (methacrylic acidâ€coâ€ethylene glycol dimethacrylate) monolith microextraction and octadecyl phosphonic acidâ€modified zirconiaâ€coated CEC with fieldâ€enhanced sample injection for analysis of antidepressants in human plasma and urine. Electrophoresis, 2010, 31, 714-723.	2.4	33
71	Selective sample pretreatment by molecularly imprinted polymer monolith for the analysis of fluoroquinolones from milk samples. Journal of Chromatography A, 2010, 1217, 2075-2081.	3.7	138
72	Preparation of organicâ€“inorganic hybrid silica monolith with octyl and sulfonic acid groups for capillary electrochromatograhpy and application in determination of theophylline and caffeine in beverage. Journal of Chromatography A, 2010, 1217, 3547-3556.	3.7	51

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73	In-tube solid-phase microextraction based on hybrid silica monolith coupled to liquid chromatographyâ€“mass spectrometry for automated analysis of ten antidepressants in human urine and plasma. Journal of Chromatography A, 2010, 1217, 7493-7501.	3.7	111
74	Polymer monolith microextraction online coupled to hydrophilic interaction chromatography/mass spectrometry for analysis of Î²₂â€agonist in human urine. Journal of Separation Science, 2009, 32, 1965-1974.	2.5	32
75	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. Journal of Chromatography A, 2009, 1216, 7510-7519.	3.7	59
76	Hybrid organicâ€“inorganic silica monolith with hydrophobic/strong cation-exchange functional groups as a sorbent for micro-solid phase extraction. Journal of Chromatography A, 2009, 1216, 7739-7746.	3.7	63
77	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. Journal of Analytical Atomic Spectrometry, 2009, 24, 76-82.	3.0	33
78	Monitoring of sulfonamide antibacterial residues in milk and egg by polymer monolith microextraction coupled to hydrophilic interaction chromatography/mass spectrometry. Analytica Chimica Acta, 2008, 625, 160-172.	5.4	86
79	Multiresidue determination of sulfonamides in chicken meat by polymer monolith microextraction and capillary zone electrophoresis with field-amplified sample stacking. Journal of Chromatography A, 2008, 1205, 163-170.	3.7	73
80	Development of in-tube solid-phase microextraction coupled to pressure-assisted CEC and its application to the analysis of propranolol enantiomers in human urine. Electrophoresis, 2007, 28, 2771-2780.	2.4	38
81	Hybrid organicâ€“inorganic octyl monolithic column for in-tube solid-phase microextraction coupled to capillary high-performance liquid chromatography. Journal of Chromatography A, 2007, 1164, 48-55.	3.7	77