

# Zhe-Ling Zeng

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

133  
papers

3,169  
citations

29  
h-index

51  
g-index

139  
ext. papers

4,290  
ext. citations

7.2  
avg, IF

5.68  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 133 | Fine pore engineering in a series of isoreticular metal-organic frameworks for efficient CH <sub>4</sub> /CO separation.. <i>Nature Communications</i> , <b>2022</b> , 13, 200   | 17.4 | 20        |
| 132 | Water-mediated hydrogen spillover accelerates hydrogenative ring-rearrangement of furfurals to cyclic compounds. <i>Journal of Catalysis</i> , <b>2022</b> , 405, 363-372  | 7.3  | 2         |
| 131 | Promoted hydrogenolysis of furan aldehydes to dimethylfuran by a defect engineering on Pd/NiCo <sub>2</sub> O <sub>4</sub> .. <i>ChemSusChem</i> , <b>2022</b> ,   | 8.3  | 1         |
| 130 | Green synthesis of polydopamine functionalized magnetic mesoporous biochar for lipase immobilization and its application in interesterification for novel structured lipids production.. <i>Food Chemistry</i> , <b>2022</b> , 379, 132148     | 8.5  | 0         |
| 129 | Synergistic effect of NiCo alloy and NiCoS integrated with N doped carbon for superior rate and ultralong-lifespan lithium sulfur batteries. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 905, 164175                                | 5.7  | 0         |
| 128 | Improving effect of phytase treatment on the functional properties and in vitro digestibility of protein isolate from Cinnamomum camphora seed kernel. <i>LWT - Food Science and Technology</i> , <b>2022</b> , 155, 112948                    | 5.4  | 0         |
| 127 | Effects of preheat treatment and polyphenol grafting on the structural, emulsifying and rheological properties of protein isolate from Cinnamomum camphora seed kernel.. <i>Food Chemistry</i> , <b>2022</b> , 377, 132044                     | 8.5  | 1         |
| 126 | Immobilization of lipase on Cyclodextrin grafted and aminopropyl-functionalized chitosan/FeO magnetic nanocomposites: An innovative approach to fruity flavor esters esterification. <i>Food Chemistry</i> , <b>2022</b> , 366, 130616         | 8.5  | 10        |
| 125 | Expression and characterization of a novel lipase from Bacillus licheniformis NCU CS-5 for application in enhancing fatty acids flavor release for low-fat cheeses. <i>Food Chemistry</i> , <b>2022</b> , 368, 130868                          | 8.5  | 2         |
| 124 | Synergistic effects of monocaprin and carvacrol against Escherichia coli O157:H7 and Salmonella Typhimurium in chicken meat preservation. <i>Food Control</i> , <b>2022</b> , 132, 108480  | 6.2  | 3         |
| 123 | Delicate Tuning of the Ni/Co Ratio in Bimetal Layered Double Hydroxides for Efficient N Electroreduction.. <i>ChemSusChem</i> , <b>2022</b> , e202200127   | 8.3  | 0         |
| 122 | Controlled Synthesis of Dibenzotriol and Diquinone from 1,2,4-Benzenetriol by Catalytic Aerobic Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 3255-3263  | 8.3  | 0         |
| 121 | Modulation of Surface Properties on Cobalt Phosphide for High-performance Ambient Ammonia Electrosynthesis. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 120874   | 21.8 | 4         |
| 120 | Large scale synthesis of carbon nanopearl chains by chemical vapor deposition. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2021</b> , 29, 773-778   | 1.8  |           |
| 119 | Synergistic engineering of fluorine doping and oxygen vacancies towards high-energy and long-lifespan flexible solid-state asymmetric supercapacitor. <i>Ionics</i> , <b>2021</b> , 27, 2649-2658  | 2.7  | 1         |
| 118 | High Dietary Intervention of Lauric Triglyceride Might be Harmful to Its Improvement of Cholesterol Metabolism in Obese Rats. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 4453-4463                                  | 5.7  | 2         |
| 117 | Characterization of a novel lipase from Bacillus licheniformis NCU CS-5 for applications in detergent industry and biodegradation of 2,4-D butyl ester. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 176, 126-136 | 7.9  | 10        |

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| 116 | Ultramicroporous carbon granules with narrow pore size distribution for efficient CH <sub>4</sub> separation from coal-bed gases. <i>AIChE Journal</i> , <b>2021</b> , 67, e17281   | 3.6  | 4  |
| 115 | Functionalized metal-organic frameworks with strong acidity and hydrophobicity as an efficient catalyst for the production of 5-hydroxymethylfurfural. <i>Chinese Journal of Chemical Engineering</i> , <b>2021</b> , 33, 167-174                                     | 3.2  | 15 |
| 114 | Graphitic carbon embedded FeNi nanoparticles for efficient deoxygenation of stearic acid without using hydrogen and solvent. <i>Fuel</i> , <b>2021</b> , 292, 120248  | 7.1  | 2  |
| 113 | Adsorption Configuration-Determined Selective Hydrogenative Ring Opening and Ring Rearrangement of Furfural over Metal Phosphate. <i>ACS Catalysis</i> , <b>2021</b> , 11, 6406-6415  | 13.1 | 12 |
| 112 | Selective Synthesis of Bioderived Dibenzofurans and Bicycloalkanes from a Cellulose-Based Route. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 6748-6755  | 8.3  | 2  |
| 111 | Chemical immobilization of amino acids into robust metal-organic framework for efficient SO <sub>2</sub> removal. <i>AIChE Journal</i> , <b>2021</b> , 67, e17300   | 3.6  | 2  |
| 110 | Facile and low-temperature strategy to prepare hollow ZIF-8/CNT polyhedrons as high-performance lithium-sulfur cathodes. <i>Chemical Engineering Journal</i> , <b>2021</b> , 404, 126579  | 14.7 | 20 |
| 109 | Construction of phosphatized cobalt nickel-LDH nanosheet arrays as binder-free electrode for high-performance battery-like supercapacitor device. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 858, 157652  | 5.7  | 14 |
| 108 | Fabrication of vertically aligned N-doped carbon nanotube arrays on vermiculite by horizontal chemical vapor deposition. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2021</b> , 29, 202-211  | 1.8  | 1  |
| 107 | Interaction mechanism of a natural medicine product helicid with a typical digestive enzyme trypsin. <i>Spectroscopy Letters</i> , <b>2021</b> , 54, 99-112   | 1.1  |    |
| 106 | Production, purification and biochemical characterisation of a novel lipase from a newly identified lipolytic bacterium NCU S6. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2021</b> , 36, 248-256   | 5.6  | 12 |
| 105 | Boosting CO <sub>2</sub> -to-CO conversion on a robust single-atom copper decorated carbon catalyst by enhancing intermediate binding strength. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 1705-1712  | 13   | 20 |
| 104 | Lauric Triglyceride Ameliorates High-Fat-Diet-Induced Obesity in Rats by Reducing Lipogenesis and Increasing Lipolysis and $\beta$ Oxidation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 9157-9166   | 5.7  | 3  |
| 103 | Pyrochlore/Al <sub>2</sub> O <sub>3</sub> composites supported Pd for the selective synthesis of cyclopentanones from biobased furfurals. <i>Applied Catalysis A: General</i> , <b>2021</b> , 612, 117985   | 5.1  | 11 |
| 102 | Influence of phenolic compounds on the structural characteristics, functional properties and antioxidant activities of Alcalase-hydrolyzed protein isolate from Cinnamomum camphora seed kernel. <i>LWT - Food Science and Technology</i> , <b>2021</b> , 148, 111799 | 5.4  | 7  |
| 101 | Effect of in vitro digestion of Cudrania cochinchinensis root extracts on phenolic compounds, bioactivity, bioaccessibility and cytotoxicity on HepG2 cells. <i>European Food Research and Technology</i> , <b>2021</b> , 247, 2945                                   | 3.4  | 0  |
| 100 | Covalent modification by phenolic extract improves the structural properties and antioxidant activities of the protein isolate from Cinnamomum camphora seed kernel. <i>Food Chemistry</i> , <b>2021</b> , 352, 129377  | 8.5  | 12 |
| 99  | MOF-Encapsulating Metal-Acid Interfaces for Efficient Catalytic Hydrogenolysis of Biomass-Derived Aromatic Aldehydes. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 11127-11136   | 8.3  | 2  |

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| 98 | Efficient Xe/Kr separation on two Metal-Organic frameworks with distinct pore shapes. <i>Separation and Purification Technology</i> , <b>2021</b> , 274, 119132   | 8.3  | 7  |
| 97 | Boosting electrochemical CO <sub>2</sub> reduction on ternary heteroatoms-doped porous carbon. <i>Chemical Engineering Journal</i> , <b>2021</b> , 425, 131661  | 14.7 | 3  |
| 96 | Assessment of the effect of ethanol extracts from seed kernel on intestinal inflammation using simulated gastrointestinal digestion and a Caco-2/RAW264.7 co-culture system. <i>Food and Function</i> , <b>2021</b> , 12, 9197-9210 | 6.1  | 1  |
| 95 | Hydrogen-Catalyzed Acid Transformation for the Hydration of Alkenes and Epoxy Alkanes over Co-N Frustrated Lewis Pair Surfaces. <i>Journal of the American Chemical Society</i> , <b>2021</b> ,                                     | 16.4 | 5  |
| 94 | Optimizing Pore Space for Flexible-Robust Metal-Organic Framework to Boost Trace Acetylene Removal. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 9744-9751  | 16.4 | 66 |
| 93 | Ethanol extracts from Cinnamomum camphora seed kernel: Potential bioactivities as affected by alkaline hydrolysis and simulated gastrointestinal digestion. <i>Food Research International</i> , <b>2020</b> , 137, 109363          | 7.6  | 10 |
| 92 | Hydrogenative Ring-Rearrangement of Biobased Furanic Aldehydes to Cyclopentanone Compounds over Pd/Pyrochlore by Introducing Oxygen Vacancies. <i>ACS Catalysis</i> , <b>2020</b> , 10, 7355-7366                                   | 13.1 | 40 |
| 91 | Facile preparation of N and O-rich porous carbon from palm sheath for highly selective separation of CO <sub>2</sub> /CH <sub>4</sub> /N <sub>2</sub> gas-mixture. <i>Chemical Engineering Journal</i> , <b>2020</b> , 399, 125812  | 14.7 | 21 |
| 90 | Antioxidant, antidiabetic and identification of phenolic constituents from Potentilla discolor Bge.. <i>European Food Research and Technology</i> , <b>2020</b> , 246, 2007-2016  | 3.4  | 3  |
| 89 | Antibacterial activity and membrane-disrupting mechanism of monocaprin against Escherichia coli and its application in apple and carrot juices. <i>LWT - Food Science and Technology</i> , <b>2020</b> , 131, 109794                | 5.4  | 5  |
| 88 | Agglomerated nickel-cobalt layered double hydroxide nanosheets on reduced graphene oxide clusters as efficient asymmetric supercapacitor electrodes. <i>Journal of Materials Research</i> , <b>2020</b> , 35, 1205-1213             | 2.5  | 10 |
| 87 | Secondary Metabolites from Marine Micromonospora: Chemistry and Bioactivities. <i>Chemistry and Biodiversity</i> , <b>2020</b> , 17, e2000024   | 2.5  | 13 |
| 86 | Facile one-step synthesis of N-doped carbon nanotubes/N-doped carbon nanofibers hierarchical composites by chemical vapor deposition. <i>Journal of Nanoparticle Research</i> , <b>2020</b> , 22, 1                                 | 2.3  | 7  |
| 85 | Synthesis of renewable C <sub>10</sub> cyclic compounds and high-density biofuels using 5-hydroxymethylfurfural as a reactant. <i>Green Chemistry</i> , <b>2020</b> , 22, 2468-2473   | 10   | 6  |
| 84 | Enhanced performance and electrocatalytic kinetics on porous carbon-coated SnS microflowers as efficient LiB battery cathodes. <i>Electrochimica Acta</i> , <b>2020</b> , 343, 136148   | 6.7  | 14 |
| 83 | Double-metal cyanide as an acid and hydrogenation catalyst for the highly selective ring-rearrangement of biomass-derived furfuryl alcohol to cyclopentenone compounds. <i>Green Chemistry</i> , <b>2020</b> , 22, 2549-2557        | 10   | 13 |
| 82 | Preparation of Hydrophobic Acidic Metal-Organic Frameworks and Their Application for 5-Hydroxymethylfurfural Synthesis. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 22068-22078                      | 2.8  | 2  |
| 81 | Algae-derived N-doped porous carbons with ultrahigh specific surface area for highly selective separation of light hydrocarbons. <i>Chemical Engineering Journal</i> , <b>2020</b> , 381, 122731                                    | 14.7 | 28 |

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| 80 | In situ transformation of LDH into hollow cobalt-embedded and N-doped carbonaceous microflowers as polysulfide mediator for lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 385, 123457                      | 14.7 | 17 |
| 79 | A hierarchical glucose-intercalated NiMn-G-LDH@NiCoS core-shell structure as a binder-free electrode for flexible all-solid-state asymmetric supercapacitors. <i>Nanoscale</i> , <b>2020</b> , 12, 1852-1863                               | 7.7  | 45 |
| 78 | Influence of phenolic compounds on physicochemical and functional properties of protein isolate from Cinnamomum camphora seed kernel. <i>Food Hydrocolloids</i> , <b>2020</b> , 102, 105612  | 10.6 | 18 |
| 77 | Efficient SO <sub>2</sub> Removal Using a Microporous Metal-Organic Framework with Molecular Sieving Effect. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 874-882  | 3.9  | 27 |
| 76 | Fabrication of dual-hollow heterostructure of NiCoS sphere and nanotubes as advanced electrode for high-performance flexible all-solid-state supercapacitors. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 564, 313-321 | 9.3  | 9  |
| 75 | A Stable Zn-Based Metal-Organic Framework as an Efficient Catalyst for Carbon Dioxide Cycloaddition and Alcoholysis at Mild Conditions. <i>Catalysis Letters</i> , <b>2020</b> , 150, 1408-1417  | 2.8  | 3  |
| 74 | Conformational changes in bovine lactalbumin and lactoglobulin evoked by interaction with C18 unsaturated fatty acids provide insights into increased allergic potential. <i>Food and Function</i> , <b>2020</b> , 11, 9240-9251           | 6.1  | 1  |
| 73 | Scalable strategy to fabricate single Cu atoms coordinated carbons for efficient electroreduction of CO <sub>2</sub> to CO. <i>Carbon</i> , <b>2020</b> , 168, 528-535   | 10.4 | 25 |
| 72 | Effects of medium- and long-chain fatty acids on acetaminophen- or rifampicin-induced hepatocellular injury. <i>Food Science and Nutrition</i> , <b>2020</b> , 8, 3590-3601  | 3.2  | 0  |
| 71 | Robust Ultramicroporous Metal-Organic Framework with Rich Hydroxyl-Decorated Channel Walls for Highly Selective Noble Gas Separation. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2020</b> , 65, 4018-4023                      | 2.8  | 4  |
| 70 | Enhanced electrocatalytic nitrogen reduction activity by incorporation of a carbon layer on SnS microflowers. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 20677-20686   | 13   | 11 |
| 69 | Antibacterial activity and action mechanism of microencapsulated dodecyl gallate with methyl-β-cyclodextrin. <i>Food Control</i> , <b>2020</b> , 109, 106953   | 6.2  | 12 |
| 68 | Functionalized Biochar with Superacidity and Hydrophobicity as a Highly Efficient Catalyst in the Synthesis of Renewable High-Density Fuels. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 7785-7794                 | 8.3  | 11 |
| 67 | Double-metal cyanide-supported Pd catalysts for highly efficient hydrogenative ring-rearrangement of biomass-derived furanic aldehydes to cyclopentanone compounds. <i>Journal of Catalysis</i> , <b>2019</b> , 378, 201-208               | 7.3  | 29 |
| 66 | Growth of U-Shaped Graphene Domains on Copper Foil by Chemical Vapor Deposition. <i>Materials</i> , <b>2019</b> , 12,  | 3.5  | 2  |
| 65 | Novel Two-Dimensional Magnetic Titanium Carbide for Methylene Blue Removal over a Wide pH Range: Insight into Removal Performance and Mechanism. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 24027-24036             | 9.5  | 53 |
| 64 | Controllable synthesis of N-doped aligned carbon nanotubes from melamine-based carbon by water-assisted chemical vapor deposition. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2019</b> , 27, 729-735                       | 1.8  | 1  |
| 63 | Ultramicroporous carbons with extremely narrow pore size distribution via in-situ ionic activation for efficient gas-mixture separation. <i>Chemical Engineering Journal</i> , <b>2019</b> , 375, 121931                                   | 14.7 | 31 |

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| 62 | Benzenesulfonic acid functionalized hydrophobic mesoporous biochar as an efficient catalyst for the production of biofuel. <i>Applied Catalysis A: General</i> , <b>2019</b> , 580, 178-185  | 5.1  | 32  |
| 61 | Highly efficient hydrogenative ring-rearrangement of furanic aldehydes to cyclopentanone compounds catalyzed by noble metals/MIL-MOFs. <i>Applied Catalysis A: General</i> , <b>2019</b> , 575, 152-158  | 5.1  | 29  |
| 60 | Ultra-high surface area and nitrogen-rich porous carbons prepared by a low-temperature activation method with superior gas selective adsorption and outstanding supercapitance performance. <i>Chemical Engineering Journal</i> , <b>2019</b> , 355, 309-319 | 14.7 | 104 |
| 59 | Highly Efficient Alkylation Using Hydrophobic Sulfonic Acid-Functionalized Biochar as a Catalyst for Synthesis of High-Density Biofuels. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 14973-14981                                     | 8.3  | 19  |
| 58 | Functional molecules regulated and intercalated nickel-cobalt LDH nano-sheets on carbon fiber cloths as an advanced free-standing electrode for high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , <b>2019</b> , 321, 134708          | 6.7  | 31  |
| 57 | Facile Preparation of Biomass-Derived Mesoporous Carbons for Highly Efficient and Selective SO <sub>2</sub> Capture. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 14929-14937  | 3.9  | 5   |
| 56 | Highly Selective and Reversible Sulfur Dioxide Adsorption on a Microporous Metal-Organic Framework via Polar Sites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 10680-10688  | 9.5  | 36  |
| 55 | A N-doped graphene-cobalt nickel sulfide aerogel as a sulfur host for lithium-sulfur batteries.. <i>RSC Advances</i> , <b>2019</b> , 9, 32247-32257  | 3.7  | 7   |
| 54 | A new choice of polymer precursor for solvent-free method: Preparation of N-enriched porous carbons for highly selective CO <sub>2</sub> capture. <i>Chemical Engineering Journal</i> , <b>2019</b> , 355, 963-973   | 14.7 | 89  |
| 53 | One-step synthesis of hierarchical metal oxide nanosheet/carbon nanotube composites by chemical vapor deposition. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 1291-1303  | 4.3  | 10  |
| 52 | Characterization of novel exopolysaccharide of <i>Enterococcus faecium</i> WFA23 from infant and demonstration of its in vitro biological properties. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 128, 710-717                 | 7.9  | 11  |
| 51 | Sulfonic acid functionalized hydrophobic mesoporous biochar: Design, preparation and acid-catalytic properties. <i>Fuel</i> , <b>2019</b> , 240, 270-277   | 7.1  | 30  |
| 50 | Enhancing the Performance of Motive Power Lead-Acid Batteries by High Surface Area Carbon Black Additives. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 186  | 2.6  | 11  |
| 49 | Enzymatic production of trans-free shortening from coix seed oil, fully hydrogenated palm oil and Cinnamomum camphora seed oil. <i>Food Bioscience</i> , <b>2018</b> , 22, 1-8   | 4.9  | 22  |
| 48 | Controllable synthesis of bifunctional porous carbon for efficient gas-mixture separation and high-performance supercapacitor. <i>Chemical Engineering Journal</i> , <b>2018</b> , 348, 57-66  | 14.7 | 98  |
| 47 | Facilely prepared, N, O-codoped nanosheet derived from pre-functionalized polymer as supercapacitor electrodes. <i>Chemical Physics</i> , <b>2018</b> , 506, 17-25   | 2.3  | 9   |
| 46 | Enhanced Cr(VI) removal by polyethylenimine- and phosphorus-codoped hierarchical porous carbons. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 523, 110-120  | 9.3  | 62  |
| 45 | Antifungal activity and mechanism of monocaprin against food spoilage fungi. <i>Food Control</i> , <b>2018</b> , 84, 561-568   | 6.2  | 25  |

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| 44 | In Vitro Antibacterial Activity and Mechanism of Monocaprylin against Escherichia coli and Staphylococcus aureus. <i>Journal of Food Protection</i> , <b>2018</b> , 81, 1988-1996   | 2.5  | 17  |
| 43 | Facile and Controllable Preparation of Ultramicroporous Biomass-Derived Carbons and Application on Selective Adsorption of Gas-mixtures. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 14191-14207   | 3.9  | 15  |
| 42 | One-Step Chemical Vapor Deposition Synthesis of 3D N-doped Carbon Nanotube/N-doped Graphene Hybrid Material on Nickel Foam. <i>Nanomaterials</i> , <b>2018</b> , 8,   | 5.4  | 22  |
| 41 | Simultaneous and efficient removal of Cr(VI) and methyl orange on LDHs decorated porous carbons. <i>Chemical Engineering Journal</i> , <b>2018</b> , 352, 306-315   | 14.7 | 116 |
| 40 | Mechanism and Nature of Inhibition of Trypsin by Ligupurpurosides A, a Ku-Ding Tea Extract, Studied by Spectroscopic and Docking Methods. <i>Food Biophysics</i> , <b>2017</b> , 12, 78-87  | 3.2  | 16  |
| 39 | Screening and identification of a <i>Bacillus amyloliquefaciens</i> strain for aqueous enzymatic extraction of medium-chain triglycerides. <i>Food Control</i> , <b>2017</b> , 78, 24-32  | 6.2  | 3   |
| 38 | Stability and Bioaccessibility of Fucoxanthin in Nanoemulsions Prepared from Pinolenic Acid-contained Structured Lipid. <i>International Journal of Food Engineering</i> , <b>2017</b> , 13,  | 1.9  | 17  |
| 37 | 1-Butyl-3-methylimidazolium hydrogen sulfate catalyzed in-situ transesterification of Nannochloropsis to fatty acid methyl esters. <i>Energy Conversion and Management</i> , <b>2017</b> , 132, 213-220   | 10.6 | 30  |
| 36 | Mutagenesis and characterization of a <i>Bacillus amyloliquefaciens</i> strain for Cinnamomum camphora seed kernel oil extraction by aqueous enzymatic method. <i>AMB Express</i> , <b>2017</b> , 7, 154  | 4.1  | 2   |
| 35 | Effects of Nanoporous Carbon Derived from Microalgae and Its CoO Composite on Capacitance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 4362-4373   | 9.5  | 18  |
| 34 | Ce-Fe-modified zeolite-rich tuff to remove Ba(2+)-like (226)Ra(2+) in presence of As(V) and F(-) from aqueous media as pollutants of drinking water. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 302, 341-350   | 12.8 | 14  |
| 33 | Enhancement of Low-field Magnetoresistance in Self-Assembled Epitaxial La <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> :NiO and La <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> :Co <sub>3</sub> O <sub>4</sub> Composite Films via Polymer-Assisted Deposition. <i>Scientific Reports</i> , <b>2016</b> , 6, 26390 | 4.9  | 14  |
| 32 | A versatile synthesis of metal-organic framework-derived porous carbons for CO <sub>2</sub> capture and gas separation. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 19095-19106  | 13   | 38  |
| 31 | Cinnamomum camphora Seed Kernel Oil Improves Lipid Metabolism and Enhances $\beta$ -Adrenergic Receptor Expression in Diet-Induced Obese Rats. <i>Lipids</i> , <b>2016</b> , 51, 693-702  | 1.6  | 10  |
| 30 | Preparation of photonic-magnetic responsive molecularly imprinted microspheres and their application to fast and selective extraction of <sup>17</sup> Estradiol. <i>Journal of Chromatography A</i> , <b>2016</b> , 1442, 1-11   | 4.5  | 52  |
| 29 | Efficacy of oral <i>Bifidobacterium bifidum</i> ATCC 29521 on microflora and antioxidant in mice. <i>Canadian Journal of Microbiology</i> , <b>2016</b> , 62, 249-62  | 3.2  | 20  |
| 28 | Unprecedented performance of N-doped activated hydrothermal carbon towards C <sub>2</sub> H <sub>6</sub> /CH <sub>4</sub> , CO <sub>2</sub> /CH <sub>4</sub> , and CO <sub>2</sub> /H <sub>2</sub> separation. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 2263-2276   | 13   | 50  |
| 27 | Effects of Long-Chain and Medium-Chain Fatty Acids on Apoptosis and Oxidative Stress in Human Liver Cells with Steatosis. <i>Journal of Food Science</i> , <b>2016</b> , 81, H794-800   | 3.4  | 24  |

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|----|---|------|----|
| 26 | Medium and Long Chain Fatty Acids Differentially Modulate Apoptosis and Release of Inflammatory Cytokines in Human Liver Cells. <i>Journal of Food Science</i> , <b>2016</b> , 81, H1546-52   | 3.4  | 12 |
| 25 | Cinnamomum camphora Seed Kernel Oil Ameliorates Oxidative Stress and Inflammation in Diet-Induced Obese Rats. <i>Journal of Food Science</i> , <b>2016</b> , 81, H1295-300  | 3.4  | 16 |
| 24 | Facile synthesis of hierarchical MoS <sub>2</sub> /Carbon microspheres as a robust anode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 9653-9660  | 13   | 68 |
| 23 | Medium-chain fatty acid reduces lipid accumulation by regulating expression of lipid-sensing genes in human liver cells with steatosis. <i>International Journal of Food Sciences and Nutrition</i> , <b>2016</b> , 67, 288-97                | 3.7  | 18 |
| 22 | Nitrogen-rich microporous carbons for highly selective separation of light hydrocarbons. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 13957-13966   | 13   | 43 |
| 21 | Temperature-Dependent Lipid Conversion and Nonlipid Composition of Microalgal Hydrothermal Liquefaction Oils Monitored by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Bioenergy Research</i> , <b>2015</b> , 8, 1962-1972 | 3.1  | 20 |
| 20 | Hydroquinone and Quinone-Grafted Porous Carbons for Highly Selective CO <sub>2</sub> Capture from Flue Gases and Natural Gas Upgrading. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 9364-73                             | 10.3 | 39 |
| 19 | Transesterification of camelina sativa oil with supercritical alcohol mixtures. <i>Energy Conversion and Management</i> , <b>2015</b> , 101, 402-409  | 10.6 | 18 |
| 18 | Oral administration of Bifidobacterim bifidum for modulating microflora, acid and bile resistance, and physiological indices in mice. <i>Canadian Journal of Microbiology</i> , <b>2015</b> , 61, 155-63                                      | 3.2  | 5  |
| 17 | Preparation and characterization of poly(MMA-EGDMA-AMPS) microspheres by soap-free emulsion polymerization. <i>Journal of Polymer Engineering</i> , <b>2015</b> , 35, 847-857   | 1.4  | 6  |
| 16 | Synthesis and characterization of partially hydrolyzed polyacrylamide nanocomposite weak gels with high molecular weights. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a   | 2.9  | 7  |
| 15 | The high-performance and mechanism of P-doped activated carbon as a catalyst for air-cathode microbial fuel cells. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 21149-21158   | 13   | 77 |
| 14 | Investigation on interaction between Ligupurpuroside A and pepsin by spectroscopic and docking methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 135, 256-63                              | 4.4  | 49 |
| 13 | Camphor Tree Seed Kernel Oil Reduces Body Fat Deposition and Improves Blood Lipids in Rats. <i>Journal of Food Science</i> , <b>2015</b> , 80, H1912-7  | 3.4  | 28 |
| 12 | Polyfuran-Derived Microporous Carbons for Enhanced Adsorption of CO <sub>2</sub> and CH <sub>4</sub> . <i>Langmuir</i> , <b>2015</b> , 31, 9845-52  | 4    | 27 |
| 11 | Direct growth of mesoporous anatase TiO <sub>2</sub> on nickel foam by soft template method as binder-free anode for lithium-ion batteries. <i>RSC Advances</i> , <b>2014</b> , 4, 48938-48942  | 3.7  | 12 |
| 10 | Effect of nitrogen group on selective separation of CO <sub>2</sub> /N <sub>2</sub> in porous polystyrene. <i>Chemical Engineering Journal</i> , <b>2014</b> , 256, 390-397   | 14.7 | 22 |
| 9  | Life cycle assessment of biodiesel production from algal bio-crude oils extracted under subcritical water conditions. <i>Bioresource Technology</i> , <b>2014</b> , 170, 454-461  | 11   | 56 |



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| 8 | Adsorption of carbon dioxide, methane and nitrogen on an ultramicroporous copper metal-organic framework. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 430, 78-84                           | 9.3 | 56  |
| 7 | Antibacterial activity and mechanism of action of $\epsilon$ -poly-L-lysine. <i>Biochemical and Biophysical Research Communications</i> , <b>2013</b> , 439, 148-53  | 3.4 | 141 |
| 6 | Microwave synthesis and characterization of MOF-74 (M=Ni, Mg) for gas separation. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 180, 114-122   | 5.3 | 164 |
| 5 | Differentially-expressed genes in <i>Candida albicans</i> exposed to $\epsilon$ -poly-L-lysine. <i>Biotechnology Letters</i> , <b>2013</b> , 35, 2147-53   | 3   | 3   |
| 4 | Adsorption Equilibria of CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> , O <sub>2</sub> , and Ar on High Silica Zeolites. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 4017-4023 | 2.8 | 57  |
| 3 | Adsorption of CO <sub>2</sub> and CH <sub>4</sub> on a magnesium-based metal organic framework. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 353, 549-56                                    | 9.3 | 357 |
| 2 | Nickel Nanoparticles with Narrow Size Distribution Confined in Nitrogen-Doped Carbon for Efficient Reduction of CO <sub>2</sub> to CO. <i>Catalysis Letters</i> , 1  | 2.8 | 1   |
| 1 | Highly Controllable Hydrogenative Ring Rearrangement and Complete Hydrogenation Of Biobased Furfurals over Pd/La <sub>2</sub> B <sub>2</sub> O <sub>7</sub> (B=Ti, Zr, Ce). <i>ChemCatChem</i> ,               | 5.2 | 4   |