

Qinmin Pan

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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.

105
papers

3,283
citations

28
h-index

55
g-index

112
ext. papers

3,701
ext. citations

5.5
avg, IF

5.85
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 105 | Robust superhydrophobic polyurethane sponge as a highly reusable oil-absorption material. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5386 | 13 | 450 |
| 104 | Facile Removal and Collection of Oils from Water Surfaces through Superhydrophobic and Superoleophilic Sponges. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 17464-17470 | 3.8 | 406 |
| 103 | Three-dimensionally macroporous Fe/C nanocomposites as highly selective oil-absorption materials. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2420-5 | 9.5 | 175 |
| 102 | Self-Healable and Cold-Resistant Supercapacitor Based on a Multifunctional Hydrogel Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15541-15548 | 9.5 | 124 |
| 101 | Synthesis of lignin-based polyurethane/graphene oxide foam and its application as an absorbent for oil spill clean-ups and recovery. <i>Chemical Engineering Journal</i> , 2017 , 323, 191-202 | 14.7 | 121 |
| 100 | A self-healable polyvinyl alcohol-based hydrogel electrolyte for smart electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17732-17739 | 13 | 97 |
| 99 | Synthesis of Poly(methyl methacrylate) Nanosize Particles by Differential Microemulsion Polymerization. <i>Macromolecular Rapid Communications</i> , 2003 , 24, 585-588 | 4.8 | 96 |
| 98 | An Omni-Healable Supercapacitor Integrated in Dynamically Cross-Linked Polymer Networks. <i>Advanced Functional Materials</i> , 2017 , 27, 1700690 | 15.6 | 93 |
| 97 | Covalent binding of Si nanoparticles to graphene sheets and its influence on lithium storage properties of Si negative electrode. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3420 | | 87 |
| 96 | ZnFe ₂ O ₄ @C/graphene nanocomposites as excellent anode materials for lithium batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1724-1729 | 13 | 78 |
| 95 | Highly compressible and stretchable superhydrophobic coating inspired by bio-adhesion of marine mussels. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11365-11371 | 13 | 72 |
| 94 | Synthesis of Polystyrene and Polystyrene/Poly(methyl methacrylate) Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 1545-1548 | 4.8 | 59 |
| 93 | Rationally Designed Self-Healing Hydrogel Electrolyte toward a Smart and Sustainable Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27745-27753 | 9.5 | 56 |
| 92 | Cloud point-dispersive solid phase extraction of hydrophobic organic compounds onto highly hydrophobic core-shell Fe ₃ O ₄ @C magnetic nanoparticles. <i>Journal of Chromatography A</i> , 2012 , 1251, 33-39 | 4.5 | 53 |
| 91 | A superhydrophobic aerogel with robust self-healability. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4424-4431 | 13 | 51 |
| 90 | A Water Strider-Like Model with Large and Stable Loading Capacity Fabricated from Superhydrophobic Copper Foils. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 2026-2030 | 9.5 | 49 |
| 89 | An all-in-one self-healable capacitor with superior performance. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 2500-2506 | 13 | 45 |

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| 88 | Improving electrochemical performance of NiO films by electrodeposition on foam nickel substrates. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 1597-1602 | 2.6 | 43 |
| 87 | Modification of formaldehyde-melamine-sodium bisulfite copolymer foam and its application as effective sorbents for clean up of oil spills. <i>Chemical Engineering Science</i> , 2017 , 160, 384-395 | 4.4 | 39 |
| 86 | Controlled fabrication of flower-like ZnO@Fe ₂ O ₃ nanostructured films with excellent lithium storage properties through a partly sacrificed template method. <i>Journal of Materials Chemistry</i> , 2012 , 22, 7544 | | 39 |
| 85 | Micellar nucleation differential microemulsion polymerization. <i>European Polymer Journal</i> , 2011 , 47, 973-980 | 3.8 | 39 |
| 84 | Self-Healable Hydrogel Electrolyte toward High-Performance and Reliable Quasi-Solid-State Zn-MnO Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 38762-38770 | 9.5 | 37 |
| 83 | Mussel-inspired healing of a strong and stiff polymer. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6667-6674 | 7.4 | 34 |
| 82 | Synthesis of Polyurethane Foams Loaded with TiO ₂ Nanoparticles and Their Modification for Enhanced Performance in Oil Spill Cleanup. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 8918-8926 | 3.9 | 34 |
| 81 | Synthesis of Poly(methyl methacrylate) Nanoparticles Initiated by 2,2'-Azobisobutyronitrile via Differential Microemulsion Polymerization. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 1029-1033 | 4.8 | 34 |
| 80 | Facile fabrication of porous NiO films for lithium-ion batteries with high reversibility and rate capability. <i>Journal of Solid State Electrochemistry</i> , 2009 , 13, 1591-1597 | 2.6 | 33 |
| 79 | Liquefaction of waste pine wood and its application in the synthesis of a flame retardant polyurethane foam. <i>RSC Advances</i> , 2017 , 7, 30334-30344 | 3.7 | 29 |
| 78 | Fast Healable Superhydrophobic Material. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 29388-29395 | 5.5 | 28 |
| 77 | Improving the lithium storage properties of Fe ₂ O ₃ @C nanoparticles by superoleophilic and superhydrophobic polysiloxane coatings. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15894 | | 28 |
| 76 | Diene-based polymer nanoparticles: Preparation and direct catalytic latex hydrogenation. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 2098-2110 | 2.5 | 28 |
| 75 | Direct Catalytic Hydrogenation of an Acrylonitrile-Butadiene Rubber Latex Using Wilkinson's Catalyst. <i>Macromolecular Rapid Communications</i> , 2005 , 26, 1768-1772 | 4.8 | 27 |
| 74 | Facile Fabrication of Robust Ice-Phobic Polyurethane Sponges. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500219 | 4.6 | 26 |
| 73 | Unraveling the Origins of the "Unreactive Core" in Conversion Electrodes to Trigger High Sodium-Ion Electrochemistry. <i>ACS Energy Letters</i> , 2019 , 4, 2007-2012 | 20.1 | 25 |
| 72 | Synthesis of poly(methyl methacrylate) nanoparticles via differential microemulsion polymerization. <i>European Polymer Journal</i> , 2013 , 49, 41-48 | 5.2 | 25 |
| 71 | Residence Time Distribution in a Multistage Agitated Contactor with Newtonian Fluids: CFD Prediction and Experimental Validation. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 3538-3546 | 3.9 | 25 |

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| 70 | Pressure-Density-Temperature Behavior of CO ₂ /Acetone, CO ₂ /Toluene, and CO ₂ /Monochlorobenzene Mixtures in the Near-Critical Region. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 976-979 | 2.8 | 25 |
| 69 | Stabilizing Li Metal Anodes through a Novel Self-Healing Strategy. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 11097-11104 | 8.3 | 24 |
| 68 | Synthesis of core/shell structure of glycidyl-functionalized poly(methyl methacrylate) latex nanoparticles via differential microemulsion polymerization. <i>European Polymer Journal</i> , 2009 , 45, 2977-2986 | 5.2 | 21 |
| 67 | Phase change materials based on comb-like polynorbornenes and octadecylamine-functionalized graphene oxide nanosheets for thermal energy storage. <i>Chemical Engineering Journal</i> , 2020 , 389, 124318 | 14.7 | 20 |
| 66 | Surfactant-enhanced liquid-liquid microextraction coupled to micro-solid phase extraction onto highly hydrophobic magnetic nanoparticles. <i>Mikrochimica Acta</i> , 2013 , 180, 775-782 | 5.8 | 20 |
| 65 | Modeling of Differential Microemulsion Polymerization for Synthesizing Nanosized Poly(methyl methacrylate) Particles. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 1682-1689 | 3.9 | 20 |
| 64 | Solubility of ethylene in toluene and toluene/styrene-butadiene rubber solutions. <i>Journal of Applied Polymer Science</i> , 2005 , 96, 645-649 | 2.9 | 20 |
| 63 | Synthesis of poly(methyl methacrylate) nanoparticles initiated by azobisisobutyronitrile using a differential microemulsion polymerization technique. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 375-382 | 2.8 | 19 |
| 62 | An Omni-healable and Tailorable Aqueous Lithium-Ion Battery. <i>ChemElectroChem</i> , 2018 , 5, 637-642 | 4.3 | 19 |
| 61 | Preparation of poly(methyl methacrylate)-poly(acrylonitrile-co-butadiene) core-shell nanoparticles. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 736-749 | 2.5 | 18 |
| 60 | Remote Manipulation of a Microdroplet in Water by Near-Infrared Laser. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1273-9 | 9.5 | 17 |
| 59 | Organic solvent-free catalytic hydrogenation of diene-based polymer nanoparticles in latex form: Part I. Preparation of nano-substrate. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 4656-4665 | 2.5 | 17 |
| 58 | Numerical Investigation of Semibatch Processes for Hydrogenation of Diene-Based Polymers. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 277-284 | 3.9 | 17 |
| 57 | Synthesis and characterization of rutile titanium dioxide/polyacrylate nanocomposites for applications in ultraviolet light-shielding materials. <i>Polymer Composites</i> , 2015 , 36, 8-16 | 3 | 16 |
| 56 | Modification of multiwall carbon nanotubes via soap-free emulsion polymerization of acrylonitrile. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 2057-2062 | 2.5 | 16 |
| 55 | Preparation and morphology study of microporous poly(HEMA-MMA) particles. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 707-715 | 2.9 | 16 |
| 54 | Pd(II)/Bipyridine-Catalyzed Conjugate Addition of Arylboronic Acids to α -Unsaturated Carboxylic Acids. Synthesis of β -Quaternary Carbons Substituted Carboxylic Acids. <i>Journal of Organic Chemistry</i> , 2017 , 82, 8023-8030 | 4.2 | 15 |
| 53 | Organic solvent-free catalytic hydrogenation of diene-based polymer nanoparticles in latex form. Part II. Kinetic analysis and mechanistic study. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 4612-4627 | 2.5 | 15 |

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| 52 | Differential microemulsion polymerization of styrene: A mathematical kinetic model. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 2129-2137 | 2.9 | 15 |
| 51 | Hydrogenation of Styrene-Butadiene Rubber Catalyzed by Ru(CH ₂ CHPh)Cl(CO)(PCy ₃) ₂ . <i>Macromolecular Rapid Communications</i> , 2004 , 25, 843-847 | 4.8 | 15 |
| 50 | Synthesis of nanosized poly(ethyl acrylate) particles via differential emulsion polymerization. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 1609-1614 | 2.9 | 14 |
| 49 | Intelligent Icephobic Surface toward Self-Deicing Capability. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 792-799 | 8.3 | 13 |
| 48 | Hydrophobic surface modification of FMSS and its application as effective sorbents for oil spill clean-ups and recovery. <i>AIChE Journal</i> , 2017 , 63, 4090-4102 | 3.6 | 12 |
| 47 | Hydrodynamics in Sulzer SMX Static Mixer with Air/Water System. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 719-726 | 3.9 | 12 |
| 46 | Gel formation in diimide-hydrogenated polymers. <i>Journal of Applied Polymer Science</i> , 2005 , 96, 1122-1125 | 2.9 | 12 |
| 45 | Cationic Pd(II)/bipyridine-catalyzed conjugate addition of arylboronic acids to α,β -unsaturated carboxylic acids in aqueous media. <i>Tetrahedron Letters</i> , 2018 , 59, 1192-1195 | 2 | 10 |
| 44 | Sodium Hyaluronate: A Versatile Polysaccharide toward Intrinsically Self-Healable Energy-Storage Devices. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 3136-3141 | 9.5 | 10 |
| 43 | Realizing High-Performance Sulfur Cathodes through a Self-Healing and Confining Strategy. <i>ACS Applied Energy Materials</i> , 2018 , 1, 6919-6926 | 6.1 | 10 |
| 42 | Fast and highly reversible switching of wettability through macroscopic shape change. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11288-11295 | 13 | 10 |
| 41 | High-pressure phase equilibria for a styrene/CO ₂ /polystyrene ternary system. <i>Journal of Applied Polymer Science</i> , 2002 , 85, 1938-1944 | 2.9 | 9 |
| 40 | Viscoelastic and adhesive properties of single-component thermo-resistant acrylic pressure sensitive adhesives. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a | 2.9 | 8 |
| 39 | Modeling and Simulation of Diimide Hydrogenation of Nitrile Butadiene Rubber Latex. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 1300-1306 | 3.9 | 8 |
| 38 | Pd(II)/bipyridine catalyzed conjugate addition of arylboronic acids to α,β -unsaturated amides. <i>Tetrahedron Letters</i> , 2016 , 57, 2723-2726 | 2 | 8 |
| 37 | Controlled Movement of a Smart Miniature Submarine at Various Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 24899-24904 | 9.5 | 8 |
| 36 | Continuous process for production of hydrogenated nitrile butadiene rubber using a Kenics \square KMX static mixer reactor. <i>AIChE Journal</i> , 2009 , 55, 2934-2944 | 3.6 | 7 |
| 35 | Effect of supercritical CO ₂ on bulk hydrogenation of nitrile butadiene rubber catalyzed by RhCl(PPh ₃) ₃ . <i>Macromolecular Symposia</i> , 2003 , 204, 141-150 | 0.8 | 7 |

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| 34 | Green and Simple Method for Catalytic Hydrogenation of Diene-Based Polymers. <i>Topics in Catalysis</i> , 2012 , 55, 637-643 | 2.3 | 6 |
| 33 | Numerical investigation of continuous processes for catalytic hydrogenation of nitrile butadiene rubber. <i>Polymer Engineering and Science</i> , 2002 , 42, 899-910 | 2.3 | 6 |
| 32 | Synthesis and Modification of Polyurethane Foam Doped with Multi-walled Carbon Nanotubes for Cleaning up Spilled Oil from Water. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 1271-1286 | 4.5 | 6 |
| 31 | Liquid Backmixing and Phase Holdup in a Gas-Liquid Multistage Agitated Contactor. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 5304-5311 | 3.9 | 5 |
| 30 | Synthesis of triblock copolymers via metathetic degradation of poly-butadiene combined with ring-opening polymerization of D,L-lactide. <i>Polymer Degradation and Stability</i> , 2018 , 153, 281-291 | 4.7 | 5 |
| 29 | Branched alkylated polynorbornene and 3D flower-like MoS ₂ nanospheres reinforced phase change composites with high thermal energy storage capacity and photothermal conversion efficiency. <i>Renewable Energy</i> , 2021 , 179, 687-695 | 8.1 | 5 |
| 28 | Phase change materials confined into sunlight capturer sponge towards thermal energy harvesting and storage. <i>Solar Energy</i> , 2021 , 226, 147-153 | 6.8 | 4 |
| 27 | In situ generated cationic Pd(II)/bipyridine-catalyzed addition of arylboronic acids to N-sulfonyl-arylaldehydes. <i>Tetrahedron Letters</i> , 2017 , 58, 2034-2037 | 2 | 3 |
| 26 | Investigation of fundamental data for nitrile butadiene rubber in monochlorobenzene and o-dichlorobenzene. <i>Polymer Engineering and Science</i> , 2004 , 44, 88-95 | 2.3 | 3 |
| 25 | A Green Technique for high performance elastomers - Fundamental investigation for hydrogenation of nitrile butadiene rubber in supercritical carbon dioxide. <i>Macromolecular Symposia</i> , 2002 , 186, 23-28 | 0.8 | 3 |
| 24 | A novel approach for synthesis of poly(norbornene)-co-poly(styrene) block copolymers via metathesis polymerization and free-radical polymerization. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46622 | 2.9 | 3 |
| 23 | Synthesis of precisely diphenyl ether-functionalized polyethylene via acyclic diene metathesis polymerization. <i>Polymer</i> , 2019 , 175, 41-48 | 3.9 | 2 |
| 22 | Recovery of Wilkinson's Catalyst from Hydrogenated Nitrile Butadiene Rubber Latex Nanoparticles. <i>Topics in Catalysis</i> , 2014 , 57, 1558-1563 | 2.3 | 2 |
| 21 | Liquid Holdup in an Upflow Cocurrent Packed Bed Reactor Involving Nitrile Butadiene Rubber and Hydrogen. <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 3505-3511 | 3.9 | 2 |
| 20 | Synthesis of core-shell bottlebrush polymers of poly(polycaprolactone-b-polyethylene glycol) via ring-opening metathesis polymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1-11 | 2.2 | 2 |
| 19 | Stabilizing Lithium Metal Anodes by a Self-Healable and Li-Regulating Interlayer. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44983-44990 | 9.5 | 2 |
| 18 | Synthesis of poly(butyl acrylate)-poly(methyl methacrylate) core-shell nanomaterials of anti-crease-whitening properties. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a | 2.9 | 1 |
| 17 | Bifurcation analysis and multiplicity of steady states in a multistage agitated contactor for gas-liquid processes. <i>Canadian Journal of Chemical Engineering</i> , 2015 , 93, 1891-1901 | 2.3 | 1 |

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| 16 | Hydrogenation of a Tri-layer High Performance Elastomer: Substrate Synthesis, Catalytic Latex Hydrogenation, and Catalyst Recovery. <i>Topics in Catalysis</i> , 2014 , 57, 1512-1518 | 2.3 | 1 |
| 15 | Poly(meth)acrylates 2011 , 429-491 | | 1 |
| 14 | Factorial experimental design on synthesis of functional core/shell polymeric nanoparticles via differential microemulsion polymerization. <i>Journal of Applied Polymer Science</i> , 2009 , 116, NA-NA | 2.9 | 1 |
| 13 | Numerical investigation and experimental validation of the performance of a tubular packed bed reactor for hydrogenation of diene-based polymers. <i>Polymer Engineering and Science</i> , 2009 , 49, 1979-1989 ^{3,3} | 2.9 | 1 |
| 12 | Preparation and characterization of 2-hydroxyethyl methacrylate-based porous copolymeric particles. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 3138-3145 | 2.9 | 1 |
| 11 | Healable supramolecular phase change polymers for thermal energy harvesting and storage. <i>Chemical Engineering Journal</i> , 2022 , 433, 134549 | 14.7 | 1 |
| 10 | Covalent organic framework supported Pd(II)-catalyzed conjugate additions of arylboronic acids to α -unsaturated carboxylic acids. <i>Applied Organometallic Chemistry</i> , 2021 , 35, e6263 | 3.1 | 1 |
| 9 | Synthesis of Shape-Controllable Anisotropic Microparticles and "Walnut-like" Microparticles via Emulsion Interfacial Polymerization. <i>Langmuir</i> , 2021 , 37, 6007-6015 | 4 | 1 |
| 8 | High Stable Sulfur Cathode with Self-Healable and Physical Confining Polydimethylsiloxane Interlayer. <i>ChemElectroChem</i> , 2019 , 6, 5705-5711 | 4.3 | 1 |
| 7 | Synthesis and characterization of natural rubber-based telechelic oligomers via olefin metathesis. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 49899 | 2.9 | 1 |
| 6 | Melamine-Based Porous Organic Polymers Supported Pd(II)-Catalyzed Addition of Arylboronic Acids to Aromatic Aldehydes. <i>Catalysis Letters</i> , 2021 , 151, 2612-2621 | 2.8 | 1 |
| 5 | Pd(II)/(S)-t-BuPyOx-catalyzed asymmetric addition of arylboronic acids to N-sulfonyl-aryldimines. <i>Tetrahedron Letters</i> , 2021 , 72, 153057 | 2 | 0 |
| 4 | Preparation of superhydrophobic and superoleophilic polyurethane foam for oil spill cleanup. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1-11 | 2.2 | 0 |
| 3 | Synthesis of styrene-norbornene diblock copolymers via ring-opening metathesis polymerization and nitroxide-mediated radical polymerization. <i>European Polymer Journal</i> , 2022 , 168, 111085 | 5.2 | 0 |
| 2 | Effectively Improving Capacitive Performance of Three-Dimensional Iron(III) Oxide Nanotube Arrays by Rationally Filling Mesopores with Polypyrrole. <i>ChemElectroChem</i> , 2016 , 3, 1407-1414 | 4.3 | |
| 1 | Preparation and characterization of attapulgite-supported phase change energy storage materials. <i>RSC Advances</i> , 2022 , 12, 15180-15189 | 3.7 | |