

Jianli Wang

List of Publications by Year in descending order

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47
papers

1,267
citations

393982

19
h-index

377514

34
g-index

49
all docs

49
docs citations

49
times ranked

1505
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of biodiesel with the help of ultrasonic and hydrodynamic cavitation. <i>Ultrasonics</i> , 2006, 44, e411-e414.	2.1	315
2	TEMPO in Chemical Transformations: From Homogeneous to Heterogeneous. <i>ACS Catalysis</i> , 2019, 9, 2777-2830.	5.5	125
3	Highly compatible acid–base blend membranes based on sulfonated poly(ether ether ketone) and poly(ether ether ketone-alt-benzimidazole) for fuel cells application. <i>Journal of Membrane Science</i> , 2012, 415-416, 644-653.	4.1	50
4	Magnetic Polystyrene Nanosphere Immobilized TEMPO: A Readily Prepared, Highly Reactive and Recyclable Polymer Catalyst in the Selective Oxidation of Alcohols. <i>ChemCatChem</i> , 2013, 5, 307-312.	1.8	45
5	Pickering high internal phase emulsions stabilized by worm-like polymeric nanoaggregates. <i>Polymer Chemistry</i> , 2017, 8, 5474-5480.	1.9	43
6	Pickering Interfacial Catalysts with CO ₂ and Magnetic Dual Response for Fast Recovering in Biphasic Reaction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16156-16163.	4.0	42
7	Fluoro-methyl sulfonated poly(arylene ether ketone-co-benzimidazole) amphoteric ion-exchange membranes for vanadium redox flow battery. <i>Electrochimica Acta</i> , 2017, 258, 360-370.	2.6	39
8	Cost-Effective Water-Soluble Poly(vinyl alcohol) as a Functional Binder for High-Sulfur-Loading Cathodes in Lithium–Sulfur Batteries. <i>ACS Omega</i> , 2020, 5, 8272-8282.	1.6	33
9	Magnetic Superhydrophobic Polymer Nanosphere Cage as a Framework for Micellar Catalysis in Biphasic Media. <i>ChemCatChem</i> , 2014, 6, 1626-1634.	1.8	31
10	Effect of trace hydrofluoric acid in a LiPF ₆ electrolyte on the performance of a Li–organic battery with an N-heterocycle based conjugated microporous polymer as the cathode. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16347-16355.	5.2	31
11	CO ₂ -switchable Pickering emulsions: efficient and tunable interfacial catalysis for alcohol oxidation in biphasic systems. <i>Chemical Communications</i> , 2019, 55, 11079-11082.	2.2	29
12	An efficient and recyclable Pickering magnetic interface biocatalyst: application in biodiesel production. <i>Green Chemistry</i> , 2021, 23, 966-972.	4.6	29
13	CO ₂ -Switchable Membranes Prepared by Immobilization of CO ₂ -Breathing Microgels. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44146-44151.	4.0	28
14	Novel organic base-immobilized magneto-polymeric nanospheres as efficient Pickering interfacial catalyst for transesterification. <i>Journal of Catalysis</i> , 2018, 368, 190-196.	3.1	26
15	Alternating Copolymer of Sulfonated Poly(ether ether ketone–benzimidazole)s (SPEEK–BI) Bearing Acid and Base Moieties. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 1495-1502.	1.1	25
16	A Green Strategy to Enhance a Liquid–Liquid Heterogeneous Reaction with a Magnetic Recyclable Pickering Emulsion. <i>ChemCatChem</i> , 2015, 7, 616-624.	1.8	25
17	Preparation of poly(4-methyl-1-pentene) asymmetric or microporous hollow-fiber membranes by melt-spun and cold-stretch method. <i>Journal of Applied Polymer Science</i> , 2006, 100, 2131-2141.	1.3	24
18	Sulfonated polyaryletherketone with pendant benzimidazole groups for proton exchange membranes. <i>Journal of Membrane Science</i> , 2020, 597, 117626.	4.1	24

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19	Novel high TEMPO loading magneto-polymeric nanohybrids: An efficient and recyclable Pickering interfacial catalyst. <i>Journal of Catalysis</i> , 2017, 353, 192-198.	3.1	23
20	The origin of the unusual red-shifted aggregation-state emission of triphenylamine-imidazole molecules: excimers or a photochemical reaction?. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1411-1420.	3.2	23
21	Novel Process for 1,3-Dihydroxyacetone Production from Glycerol. 1. Technological Feasibility Study and Process Design. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 3715-3721.	1.8	20
22	Polar Benzimidazole-Containing (Sulfonated) Poly(arylene ether ketone)s as Bifunctional Binders for Lithium-Sulfur Battery Cathodes with High Sulfur Loadings. <i>ACS Applied Energy Materials</i> , 2019, 2, 6732-6740.	2.5	20
23	TEMPO-Functionalized Aromatic Polymer as a Highly Active, pH-Responsive Polymeric Interfacial Catalyst for Alcohol Oxidation. <i>Journal of Physical Chemistry C</i> , 2019, 123, 9066-9073.	1.5	19
24	Photo-irradiated <i>E</i> / <i>Z</i> isomerization reaction of star-shaped isomers containing two cyanostilbene arms with charge transfer excited states. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28279-28286.	1.3	18
25	Amphiphilic TEMPO-Functionalized Block Copolymers: Synthesis, Self-Assembly and Redox-Responsive Disassembly Behavior, and Potential Application in Triggered Drug Delivery. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2282-2290.	2.0	17
26	An insight into the intensification of aqueous/organic phase reaction by the addition of magnetic polymer nanoparticles. <i>Chemical Engineering Journal</i> , 2015, 280, 265-274.	6.6	16
27	The indirect conversion of glycerol into 1,3-dihydroxyacetone over magnetic polystyrene nanosphere immobilized TEMPO catalyst. <i>Chemical Engineering Journal</i> , 2013, 229, 234-238.	6.6	15
28	Solid-phase extraction based on chloromethylated polystyrene magnetic nanospheres followed by gas chromatography with mass spectrometry to determine phthalate esters in beverages. <i>Journal of Separation Science</i> , 2014, 37, 3677-3683.	1.3	15
29	Linear amphiphilic TEMPO-grafted poly(ether sulfone) as polymeric interfacial catalyst: Synthesis, self-assembly behavior, and application. <i>Reactive and Functional Polymers</i> , 2016, 105, 134-139.	2.0	12
30	Preparation of poly(ionic liquid) nanoparticles through RAFT/MADIX polymerization-induced self-assembly. <i>Polymer Chemistry</i> , 2017, 8, 5469-5473.	1.9	12
31	In situ fabrication of cobalt nanoflowers on sulfonated and fluorinated poly(arylene ether) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 481-490.	2.9	11
32	Characterization of molecular interaionic and intraionic crosslinkable sulfonated poly(ether ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	9
33	The stability of covalently immobilization of TEMPO on the polymer surface through ionic liquid linkage: a comparative and model research. <i>E-Polymers</i> , 2015, 15, 39-44.	1.3	9
34	Efficient and continuous chemical conversion in a thin membrane comprising three-dimensional network trapping Ag nanoparticles. <i>Applied Catalysis B: Environmental</i> , 2022, 314, 121456.	10.8	9
35	Rheology behavior of high-density polyethylene/diluent blends and fabrication of hollow-fiber membranes via thermally induced phase separation. <i>Journal of Applied Polymer Science</i> , 2010, 118, 2186-2194.	1.3	7
36	Dielectric and gas transport properties of the films of thermally stable poly(arylene ether ketone)s containing content-tunable benzimidazole moiety. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	7

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37	Magnetic Nanoparticles with In Situ Surface Growing Polymeric Brushes as Reactive Pickering Interfacial Catalysts for Biphasic Reactions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23736-23743.	1.5	7
38	Membranes of Poly (Vinyl Butyral) (PVB) or Cationic PVB (CPVB) Blended with Poly (Vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 Hydrophilicity. <i>Journal of Macromolecular Science - Physics</i> , 2012, 51, 1851-1863.	0.4	6
39	Preparation and characterization of poly(vinylidene fluoride) flat sheet membrane with Tg tunable amphiphilic terpolymer as membrane additive. <i>Desalination</i> , 2014, 338, 49-56.	4.0	6
40	Stabilizing Triglyceride in Methanol Emulsions via a Magnetic Pickering Interfacial Catalyst for Efficient Transesterification under Static Conditions. <i>ACS Omega</i> , 2021, 6, 14138-14147.	1.6	4
41	Shape-tunable polymeric Janus nanoparticles with hollow cavities derived from polymerization induced self-assembly based crosslinked vesicles. <i>Chemical Communications</i> , 2022, 58, 2228-2231.	2.2	4
42	Methylthiophene terminated Dâ€“fâ€“D molecular semiconductors as multifunctional interfacial materials for high performance perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1862-1869.	2.7	4
43	Significant and Synergistic Intensification of Aerobic Oxidation of Activated Alcohols in Water at Ambient Condition by Adding Perfluoroâ€“Surfactant. <i>ChemistrySelect</i> , 2018, 3, 7856-7861.	0.7	3
44	Crosslinkable polyaryletherketone ultrafiltration membranes with solvent-resistant improvement. <i>Materials Today Communications</i> , 2019, 21, 100696.	0.9	3
45	Dead-end filtration properties of microporous polypropylene membranes with different gas permeation rates. <i>Desalination</i> , 2006, 192, 68-73.	4.0	1
46	A Novel Spherical Crystallization Method Using Pickering Emulsions. <i>Journal of Pharmaceutical Sciences</i> , 2021, , .	1.6	1
47	Heterogeneous Catalysis for Oxidation of Alcohol via 1â€“Methylâ€“2â€“azadamanane <i>N</i> â€“oxyl Immobilized on Magnetic Polystyrene Nanosphere. <i>ChemistrySelect</i> , 2022, 7, .	0.7	1