

Ming Zhou

List of Publications by Year in descending order

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58
papers

1,001
citations

471509

17
h-index

526287

27
g-index

59
all docs

59
docs citations

59
times ranked

716
citing authors

#	ARTICLE	IF	CITATIONS
1	Imide-Functionalized Thiazole-Based Polymer Semiconductors: Synthesis, Structure–Property Correlations, Charge Carrier Polarity, and Thin-Film Transistor Performance. <i>Chemistry of Materials</i> , 2018, 30, 7988-8001.	6.7	92
2	Distannylated Bithiophene Imide: Enabling High-Performance n-Type Polymer Semiconductors with an Acceptor–Acceptor Backbone. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14449-14457.	13.8	72
3	A room-temperature self-healing elastomer with ultra-high strength and toughness fabricated via optimized hierarchical hydrogen-bonding interactions. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4344-4354.	10.3	42
4	Synthesis of Bis[N,N ² -(alkylamideethyl)ethyl] Triethylenediamine Bromide Surfactants and Their Oilfield Application Investigation. <i>Journal of Surfactants and Detergents</i> , 2012, 15, 309-315.	2.1	36
5	Utilization of starch and montmorillonite for the preparation of superabsorbent nanocomposite. <i>Journal of Applied Polymer Science</i> , 2011, 121, 2406-2412.	2.6	33
6	Synthesis and properties evaluation of sulfobetaine surfactant with double hydroxyl. <i>Journal of Molecular Structure</i> , 2017, 1144, 199-205.	3.6	33
7	Studies on foam flooding for saline reservoirs after polymer flooding. <i>Journal of Petroleum Science and Engineering</i> , 2015, 135, 410-420.	4.2	28
8	Study of crosslinked copolymer nanospheres with temperature resistance, salinity resistance, and deep profile control. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45131.	2.6	28
9	Imide-functionalized acceptor–acceptor copolymers as efficient electron transport layers for high-performance perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13754-13762.	10.3	28
10	Research on Surfactant Flooding in High-temperature and High-salinity Reservoir for Enhanced Oil Recovery. <i>Tenside, Surfactants, Detergents</i> , 2013, 50, 175-181.	1.2	27
11	Synthesis of three gemini betaine surfactants and their surface active properties. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 74, 7-13.	5.3	27
12	Progress in the Synthesis of Zwitterionic Gemini Surfactants. <i>Journal of Surfactants and Detergents</i> , 2017, 20, 1243-1254.	2.1	26
13	Distannylated Bithiophene Imide: Enabling High-Performance n-Type Polymer Semiconductors with an Acceptor–Acceptor Backbone. <i>Angewandte Chemie</i> , 2020, 132, 14557-14565.	2.0	25
14	Synthesis of oligomer betaine surfactant (DDTPA) and rheological properties of wormlike micellar solution system. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 66, 1-11.	5.3	24
15	Synthesis of Sulfobetaine-Type Zwitterionic Gemini Surfactants (EAPMAC) and Their Oilfield Application Properties. <i>Journal of Surfactants and Detergents</i> , 2019, 22, 23-32.	2.1	22
16	Synthesis of New Salt-Resistant Sulfonate Gemini Surfactants with Hydroxyl Groups. <i>Journal of Surfactants and Detergents</i> , 2015, 18, 303-308.	2.1	19
17	Study on three phase foam for Enhanced Oil Recovery in extra-low permeability reservoirs. <i>Oil and Gas Science and Technology</i> , 2018, 73, 55.	1.4	19
18	Thiazolothienyl imide-based wide bandgap copolymers for efficient polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11142-11151.	5.5	18

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19	New understanding of early hydration of C4AF under surface vitrification. Powder Technology, 2021, 377, 372-378.	4.2	18
20	Synthesis, thermal and anticorrosion performance of WPU nanocomposites with low carbon-black content by adding amine-modified multiwall carbon nanotube. Diamond and Related Materials, 2018, 90, 166-171.	3.9	17
21	Synthesis of New Sulfobetaine Gemini Surfactants with Hydroxyls and Their Effects on Surface Active Properties. Journal of Surfactants and Detergents, 2018, 21, 867-877.	2.1	17
22	Synthesis and property study of ter-copolymer P(MA-AMPS-HPA) scale inhibitor. Journal of Polymer Research, 2020, 27, 1.	2.4	17
23	Synthesis and Surface Active Properties of tri[(<i>N</i> -alkyl- <i>N</i> -ethyl- <i>N</i> -sodium) Tj ETQq1 1 0.784314 rgBT /Over	2.1	16
24	837-844.		
24	A Study About Water/Alkali Treatments of Hemp Fiber on Ultraviolet Ageing of the Reinforced Polypropylene Composites. Journal of Polymers and the Environment, 2020, 28, 2572-2583.	5.0	16
25	A hybrid 3D feature recognition method based on rule and graph. International Journal of Computer Integrated Manufacturing, 2021, 34, 257-281.	4.6	16
26	Preparation and property evaluation of a temperature-resistant Zr-crosslinked fracturing fluid. Journal of Industrial and Engineering Chemistry, 2021, 96, 121-129.	5.8	16
27	Synthesis and Characterization of Novel Surfactants 1,2,3-tri(2-oxopropylsulfonate- β -alkylether- α -propoxy) Propanes. Journal of Surfactants and Detergents, 2013, 16, 665-672.	2.1	15
28	Recent Advances in the Synthesis of Sulfonate Gemini Surfactants. Journal of Surfactants and Detergents, 2018, 21, 443-453.	2.1	15
29	Synthesis and Surface Active Properties of 1,1,1-tri(2-oxopropyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342 Td (Sulfo	2.1	14
30	Synthesis and characterization of a novel early-strength polycarboxylate superplasticizer and its performances in cementitious system. Journal of Applied Polymer Science, 2020, 137, 48906.	2.6	14
31	An automatic machining process decision-making system based on knowledge graph. International Journal of Computer Integrated Manufacturing, 2021, 34, 1348-1369.	4.6	14
32	Preparation and performance evaluation of nanoparticle modified clean fracturing fluid. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 636, 128117.	4.7	13
33	Preparation of magnetic polymer nanosphere and its profile control. Journal of Dispersion Science and Technology, 2020, 41, 557-565.	2.4	12
34	A study about silane modification and interfacial ultraviolet aging of hemp fiber reinforced polypropylene composites. Polymer Composites, 2021, 42, 2544-2555.	4.6	12
35	Synthesis and Performance Evaluation of CO ₂ /N ₂ Switchable Tertiary Amine Gemini Surfactant. Journal of Surfactants and Detergents, 2017, 20, 1483-1489.	2.1	11
36	Preparation and performance evaluation of a new ter-polymer scale inhibitor. Journal of Macromolecular Science - Pure and Applied Chemistry, 2019, 56, 1060-1070.	2.2	11

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37	Progress in the synthesis of imide-based N-type polymer semiconductor materials. RSC Advances, 2020, 10, 41764-41779.	3.6	11
38	Synthesis and Surface Active Properties of Dimeric Gemini Sulfonate Surfactants. Tenside, Surfactants, Detergents, 2014, 51, 26-31.	1.2	10
39	Synthesis and performance of a series of dual hydroxyl sulfobetaine surfactants. Journal of Dispersion Science and Technology, 2018, 39, 116-121.	2.4	10
40	Synthesis and Surface Active Properties of Novel Oligomer Betaine Surfactants. Tenside, Surfactants, Detergents, 2016, 53, 134-139.	1.2	9
41	Research progress on supercritical CO ₂ thickeners. Soft Matter, 2021, 17, 5107-5115.	2.7	9
42	Mechanical properties of high-ferrite oil-well cement used in shale gas horizontal wells under various loads. Construction and Building Materials, 2022, 319, 126067.	7.2	9
43	Synthesis of an oligomeric thickener for supercritical carbon dioxide and its properties. Journal of Molecular Liquids, 2020, 312, 113090.	4.9	8
44	Preparation and performance evaluation of sulfate-quaternary ammonium Gemini surfactant. Journal of Molecular Liquids, 2021, 343, 117665.	4.9	8
45	Reaction Principle of Alcohol Ether Sulfonates by Sulfonated Alkylation Method " A Review. Tenside, Surfactants, Detergents, 2017, 54, 5-10.	1.2	8
46	Superabsorbent nanocomposite and its properties. Journal of Macromolecular Science - Pure and Applied Chemistry, 2019, 56, 496-505.	2.2	7
47	Resource utilization from solid waste originated from oil-based shale drilling cutting during shale gas development. Chemosphere, 2022, 298, 134318.	8.2	7
48	WPU/CB/GO nanocomposites: <i>in situ</i> polymerization preparation, thermal, and anticorrosion performance evaluation. Journal of Applied Polymer Science, 2020, 137, 48716.	2.6	6
49	Study on Wettability Variation for Removing Liquid Block in Condensate Gas Reservoir. Journal of Surfactants and Detergents, 2017, 20, 1019-1026.	2.1	5
50	Preparation of hollow PPy (HPPy) microspheres via template methods with characterization of properties. Journal of Macromolecular Science - Pure and Applied Chemistry, 2018, 55, 98-105.	2.2	5
51	Preparation and characterisation of a high-strength self-healing hydrogel. Plastics, Rubber and Composites, 2021, 50, 1-8.	2.0	4
52	Vibration suppression of aeroengine casing during milling. International Journal of Advanced Manufacturing Technology, 2021, 113, 295-307.	3.0	4
53	Preparation and Performance Evaluation of Gemini Sulphobetaine Surfactant		

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55	The Investigation of Fracture Networks on Heat Extraction Performance for an Enhanced Geothermal System. <i>Energies</i> , 2021, 14, 1635.	3.1	3
56	A study of water-induced elementary hemp fiber swelling and the reinforced polypropylene composite expansion. <i>Polymer Composites</i> , 2021, 42, 5101.	4.6	3
57	Synthesis and Physicochemical Properties of CO ₂ -switchable Gemini Surfactants. <i>Journal of Molecular Liquids</i> , 2022, 352, 118642.	4.9	3
58	Characterization and evaluation of synthesized ammonia triethyl amide (ATEA) for removing sodium chloride deposition. <i>Journal of Petroleum Science and Engineering</i> , 2019, 179, 136-142.	4.2	2