

Li Zhongwei

List of Publications by Year in descending order

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82
papers

1,049
citations

394421

19
h-index

552781

26
g-index

83
all docs

83
docs citations

83
times ranked

1235
citing authors

#	ARTICLE	IF	CITATIONS
1	Noval tannic acid-based polyether as an effective demulsifier for water-in-oil emulsions. <i>Chemical Engineering Journal</i> , 2018, 354, 1110-1119.	12.7	65
2	Physically cross-linked pH-responsive chitosan-based hydrogels with enhanced mechanical performance for controlled drug delivery. <i>RSC Advances</i> , 2016, 6, 106035-106045.	3.6	43
3	Controlled gelation kinetics of cucurbit[7]uril-adamantane cross-linked supramolecular hydrogels with competing guest molecules. <i>Scientific Reports</i> , 2016, 6, 20722.	3.3	36
4	Water-dispersible carbon nanotubes from a mixture of an ethoxy-modified trisiloxane and pluronic block copolymer F127. <i>Colloid and Polymer Science</i> , 2010, 288, 1665-1675.	2.1	34
5	Synthesis and properties of novel branched polyether as demulsifiers for polymer flooding. <i>Colloid and Polymer Science</i> , 2016, 294, 1943-1958.	2.1	33
6	Synthesis of copolymer of acrylamide with sodium vinylsulfonate and its thermal stability in solution. <i>Journal of Polymer Research</i> , 2011, 18, 171-178.	2.4	31
7	Control Viscoelasticity of Polymer Networks with Crosslinks of Superposed Fast and Slow Dynamics. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22332-22338.	13.8	28
8	Preparation of dithiocarbamate polymer brush grafted nanocomposites for rapid and enhanced capture of heavy metal ions. <i>RSC Advances</i> , 2017, 7, 13112-13122.	3.6	27
9	Aggregation behavior of block polyethers with branched structure at air/water surface. <i>European Polymer Journal</i> , 2009, 45, 2540-2548.	5.4	26
10	Cucurbit[8]uril inducing supramolecular hydrogels by adjusting pH. <i>RSC Advances</i> , 2013, 3, 3031.	3.6	26
11	Heavy Oil Viscosity Reduction Performance of Novel Water-Soluble Terpolymers. <i>Energy & Fuels</i> , 2019, 33, 9736-9746.	5.1	26
12	Long Branched-Chain Amphiphilic Copolymers: Synthesis, Properties, and Application in Heavy Oil Recovery. <i>Energy & Fuels</i> , 2018, 32, 7002-7010.	5.1	24
13	Design and fabrication of a triple-responsive chitosan-based hydrogel with excellent mechanical properties for controlled drug delivery. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	24
14	GMP-quadruplex-based hydrogels stabilized by lanthanide ions. <i>Science China Chemistry</i> , 2018, 61, 604-612.	8.2	24
15	A facile method to fabricate thermo- and pH-sensitive hydrogels with good mechanical performance based on poly(ethylene glycol) methyl ether methacrylate and acrylic acid as a potential drug carriers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2019, 30, 1375-1398.	3.5	24
16	Permeable, robust and magnetic hydrogel beads: water droplet templating synthesis and utilization for heavy metal ions removal. <i>Journal of Materials Science</i> , 2018, 53, 15009-15024.	3.7	23
17	Aggregation behavior of X-shaped branched block copolymers at the air/water interface: effect of block sequence and temperature. <i>Colloid and Polymer Science</i> , 2015, 293, 97-107.	2.1	22
18	Synthesis and properties of hydrophobically modified acrylamide-based polysulfobetaines. <i>Polymer Bulletin</i> , 2011, 66, 17-35.	3.3	21

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19	Doubly Dynamic Hydrogel Formed by Combining Boronate Ester and Acylhydrazone Bonds. <i>Polymers</i> , 2020, 12, 487.	4.5	21
20	Side-chain polypseudorotaxanes by threading cucurbit[7]uril onto poly(4-vinylbenzyl)butylammonium bromide chloride: Synthesis, characterization, and properties. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2135-2142.	2.5	20
21	Modification of the stability of oil-in-water nano-emulsions by polymers with different structures. <i>Colloid and Polymer Science</i> , 2014, 292, 1297-1306.	2.1	18
22	Synthesis, characterization, and properties of copolymers of acrylamide with sodium 2-acrylamido-2-methylpropane sulfonate with nano silica structure. <i>Colloid and Polymer Science</i> , 2015, 293, 1307-1316.	2.1	18
23	Synthesis and characterization of modified xanthan gum using poly(maleic anhydride/1-octadecene). <i>Colloid and Polymer Science</i> , 2016, 294, 1333-1341.	2.1	18
24	Cucurbit[7]uril moving on side chains of polypseudorotaxanes: Synthesis, characterization, and properties. <i>Journal of Polymer Science Part A</i> , 2011, 49, 2138-2146.	2.3	17
25	Improving Performances of Hydrophobically Modified Polyacrylamide in Mineralized Water by Block Polyether with Branched Structure. <i>Journal of Dispersion Science and Technology</i> , 2012, 33, 697-703.	2.4	17
26	Synthesis, characterization, and properties of copolymer of acrylamide and complex pseudorotaxane monomer consisting of cucurbit[6]uril with butyl ammonium methacrylate. <i>Journal of Polymer Science Part A</i> , 2008, 46, 5999-6008.	2.3	16
27	Effect of inorganic salts on the aggregation behavior of branched block polyether at air/water and n-heptane/water interfaces. <i>Colloid and Polymer Science</i> , 2013, 291, 2825-2836.	2.1	16
28	Proanthocyanidin-Based Polyether Demulsifiers for the Treatment of Aging Oil Emulsions. <i>Energy & Fuels</i> , 2020, 34, 5788-5797.	5.1	16
29	Supramolecular topology controlled self-healing conformal hydrogels for stable human-machine interfaces. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8077-8088.	5.5	16
30	Adsorption kinetics and adsorption isotherm studies of chromium from aqueous solutions by HPAM-chitosan gel beads. <i>Desalination and Water Treatment</i> , 2012, 45, 222-228.	1.0	14
31	Solution properties of hydrophobically modified acrylamide-based polysulfobetaines in the presence of surfactants. <i>Colloid and Polymer Science</i> , 2012, 290, 1237-1245.	2.1	13
32	A supramolecular switch based on three binding states of a pyrene derivate: a reversible three-state switch with only two stimuli. <i>RSC Advances</i> , 2013, 3, 13311.	3.6	13
33	Synthesis of linear cucurbit[7]uril pendent copolymers through radical polymerization: Polymers with ultra-high binding affinity. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1748-1752.	2.3	13
34	Aggregation behavior of partially fluorinated Gemini surfactants in aqueous solution: Effect of headgroups. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 25-33.	4.7	12
35	Synthesis, Characterization and Aqueous Properties of a New Hybrid Fluorocarbon Cationic Surfmer. <i>Journal of Surfactants and Detergents</i> , 2015, 18, 233-244.	2.1	12
36	Self-Assembly of Europium-Containing Polyoxometalates/Tetra-alkyl Ammonium with Enhanced Emission for Cu ²⁺ Detection. <i>ACS Omega</i> , 2018, 3, 14953-14961.	3.5	12

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37	Practical Modification of Tannic Acid Polyether Demulsifier and Its Highly Efficient Demulsification for Water-in-Aging Crude Oil Emulsions. ACS Omega, 2019, 4, 20697-20707.	3.5	12
38	A study of aggregation behavior of a sulfobetaine copolymer in dilute solution. Journal of Polymer Research, 2010, 17, 557-566.	2.4	11
39	Fabrication and properties of superabsorbent complex gel beads composed of hydrolyzed polyacrylamide and chitosan. Journal of Applied Polymer Science, 2010, 116, 3338-3345.	2.6	11
40	Hexanoate- β -Cucurbit[7]uril: Highly Soluble with Controlled Release Ability. Chemistry - A European Journal, 2020, 26, 9445-9448.	3.3	11
41	Synthesis of biodegradable amphiphilic thermo-responsive multiblock polycarbonate and its self-aggregation behavior in aqueous solution. Journal of Applied Polymer Science, 2009, 112, 1425-1435.	2.6	10
42	Aggregation and thermal gelation of N-isopropylacrylamide based cucurbit[7]uril side-chain polypseudorotaxanes with low pseudorotaxane content. RSC Advances, 2015, 5, 20684-20690.	3.6	10
43	Synthesis and Properties of a Novel Branched Polyether Surfactant. Journal of Surfactants and Detergents, 2016, 19, 1107-1120.	2.1	10
44	An "in-water"™ halogen-ion compatible "click" catalyst for cucurbituril guest ligation. Supramolecular Chemistry, 2016, 28, 801-809.	1.2	10
45	Aggregation Behavior of Copolymer Containing Sulfobetaine Structure in Aqueous Solution. Journal of Macromolecular Science - Physics, 2010, 49, 695-710.	1.0	9
46	Surface Rheological Properties of Hydrophobically Modified Polyacrylamide and Imidazolium Surfactant Systems. Journal of Surfactants and Detergents, 2017, 20, 529-539.	2.1	9
47	G-Quadruplex based hydrogels stabilized by a cationic polymer as an efficient adsorbent of picric acid. New Journal of Chemistry, 2019, 43, 18331-18338.	2.8	9
48	Synthesis and properties of new polymeric surfactant with quaternary ammonium salt. Colloid and Polymer Science, 2011, 289, 1579-1587.	2.1	7
49	Surface Activity Properties and Aggregation Behaviors of Partially Fluorinated Gemini Surfactants in Aqueous Solution. Journal of Surfactants and Detergents, 2017, 20, 543-552.	2.1	7
50	Synthesis, characterization, and aqueous properties of new amphiphilic copolymer with fluorocarbon groups. Colloid and Polymer Science, 2013, 291, 2815-2823.	2.1	6
51	Fabrication of the weak gel based on hydrolyzed polyacrylamide crosslinked by inorganic-organic mixed crosslinker. Journal of Polymer Research, 2013, 20, 1.	2.4	6
52	A novel twin-tailed hydrophobically associating copolymer: synthesis, characterization and solution properties. Polymer Bulletin, 2013, 70, 3547-3562.	3.3	6
53	Tunable Fluorescence-Responsive Double Hydrophilic Block Polymers Induced by the Formation of Pseudopolyrotaxanes with Cucurbit[7]Urils. Polymers, 2019, 11, 1470.	4.5	6
54	Synthesis of a Micro-Crosslinked Polyacrylamide Flocculant and Its Application in Treatment of Oily Produced Water. Energy & Fuels, 2021, 35, 18396-18405.	5.1	6

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55	Gelation Behavior of Thermo-Responsive Poly(ethylene oxide) and Poly(propylene oxide) Multiblock Polycarbonates. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009, 46, 397-404.	2.2	5
56	Experimental research and DPD simulation on the interaction between an ethoxy-modified trisiloxane and F127. <i>Colloid and Polymer Science</i> , 2012, 290, 953-964.	2.1	5
57	Fabrication of cucurbit[6]uril mediated alginate physical hydrogel beads and their application as a drug carriers. <i>E-Polymers</i> , 2008, 8, .	3.0	4
58	Effect of pH on Gelation Behavior of Hydrolyzed Polyacrylamide and O-carboxymethyl Chitosan Mixed System. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 595-601.	2.2	4
59	Effect of Inorganic Salts on the Aggregation Behavior of AOT at the Air/Water Interface. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 1015-1024.	2.1	4
60	Control Viscoelasticity of Polymer Networks with Crosslinks of Superposed Fast and Slow Dynamics. <i>Angewandte Chemie</i> , 2021, 133, 22506-22512.	2.0	4
61	Aggregation Behavior of Cationic Copolymer Methacryloxyethyl Trimethyl Ammonium Chloride-Butyl Acrylate-Acrylamide in Aqueous Solution. <i>Journal of Dispersion Science and Technology</i> , 2008, 29, 70-76.	2.4	3
62	Dilational Rheological Properties of Fluorocarbon Modified Poly(acrylamide)s at the Air/Water Surface. <i>Journal of Dispersion Science and Technology</i> , 2011, 32, 174-184.	2.4	3
63	Synthesis, characterization and solution properties of a double-hydrophilic multiblock copolymer with sulfonic groups. <i>Journal of Polymer Research</i> , 2011, 18, 753-762.	2.4	3
64	Synthesis, characterisation and properties of star polypseudorotaxanes with cucurbit[7]uril. <i>Supramolecular Chemistry</i> , 2012, 24, 833-840.	1.2	3
65	Synthesis and properties of block polypseudorotaxanes by threading cucurbit[6]uril. <i>Iranian Polymer Journal (English Edition)</i> , 2012, 21, 783-792.	2.4	3
66	Synthesis and multi-stimuli-responsive behavior of copolymer of N,N- ϵ -dimethylacrylamide and complex pseudorotaxane. <i>Polymer Bulletin</i> , 2012, 69, 199-217.	3.3	3
67	Synthesis and characterization of pH-responsive diblock copolymers with cadaverine side groups. <i>Colloid and Polymer Science</i> , 2012, 290, 1065-1075.	2.1	3
68	Stimuli-responsive behavior of complex micelles based on double hydrophilic block copolymer and fluorescent indicator. <i>Colloid and Polymer Science</i> , 2013, 291, 459-468.	2.1	3
69	Differences between the Interactions of Linear and Tetrahedron-like Ditopic Guests with Cucurbit[8]uril: Steric Hindrance and Molecular Structure Play Dominant Roles. <i>Chemistry - an Asian Journal</i> , 2017, 12, 476-483.	3.3	3
70	Conformation and Aggregation Behavior of Polyelectrolyte with Primary Amino Pendant Groups in Water or THF/Water Binary Solvent Mixture and Their Effect on the Morphology of AOT Vesicles in Aqueous Media. <i>Journal of Dispersion Science and Technology</i> , 2009, 30, 1036-1045.	2.4	2
71	Synthesis, Characterization and Aqueous Solution Behavior of a pH-responsive Double Hydrophilic Block Copolymer. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 770-776.	2.2	2
72	Morphology Control of Barium Sulfate by Poly(ethylene glycol)-poly(sodium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (4-sty	2.4	2

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73	Aggregation behavior of poly(methacrylic acid) with cucurbit[7]uril and the effect of ammonia ions on aggregation. <i>Journal of Polymer Research</i> , 2011, 18, 1735-1742.	2.4	2
74	Synthesis and Properties of pH-Responsive Polymers with Cadaverine Side Groups. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2011, 48, 816-822.	2.2	2
75	Synthesis and Aggregation Behavior of Copolymer of Acrylamide with Pseudorotaxane Monomer by Threading Cucurbit[6]uril onto N-(4-vinylbenzyl)-1,4-diaminobutane Dihydrochloride. <i>Journal of Dispersion Science and Technology</i> , 2012, 33, 639-646.	2.4	2
76	Side-chain polypseudorotaxanes by threading cucurbit[6]uril onto N-(3-vinylbenzyl)diaminobutane dihydrochloride: synthesis, characterization, and properties. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	2
77	New lanthanide-based complexes constructed from cucurbit[6]uril: Synthesis, structures and properties. <i>Journal of Coordination Chemistry</i> , 2018, 71, 1442-1459.	2.2	2
78	Interaction Between the Hydrophobically Modified Polyacrylamide and HPAM-Flooding Produced Liquid. <i>Journal of Dispersion Science and Technology</i> , 2010, 31, 894-901.	2.4	1
79	Long circulating 10-hydroxycamptothecin-loaded nanoparticles fabricated from poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 467 Applied Chemistry, 2016, 53, 636-643.	2.2	1
80	Long circulating 10-hydroxycamptothecin-loaded nanoparticles fabricated from poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Applied Chemistry, 2016, 53, 773-780.	2.2	1
81	Thermal responsiveness and binding affinity of cucurbit[7]uril terminal poly(<i>N</i> -isopropylacrylamide). <i>New Journal of Chemistry</i> , 2017, 41, 14831-14834.	2.8	1
82	Control Viscoelasticity of Polymer Networks with Crosslinks of Superposed Fast and Slow Dynamics (<i>Angew. Chem.</i> 41/2021). <i>Angewandte Chemie</i> , 2021, 133, 22768-22768.	2.0	0