

Xiangling Ji

List of Publications by Year in descending order

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75
papers

1,580
citations

361413

20
h-index

345221

36
g-index

76
all docs

76
docs citations

76
times ranked

2093
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoporous Silica-Reinforced Polymer Nanocomposites. <i>Chemistry of Materials</i> , 2003, 15, 3656-3662.	6.7	189
2	Evaluation of Hydrophobic Polyvinyl-Alcohol Formaldehyde Sponges As Absorbents for Oil Spill. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8651-8659.	8.0	140
3	Observation of Nucleation and Growth of CdS Nanocrystals in a Two-Phase System. <i>Chemistry of Materials</i> , 2008, 20, 3560-3566.	6.7	70
4	Crystalline morphology evolution in PCL thin films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 1303-1309.	2.1	56
5	Synthesis and pH/Temperature-Responsive Behavior of PLLA- <i>b</i> -PDMAEMA Block Polyelectrolytes Prepared via ROP and ATRP. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 744-752.	2.2	54
6	Novel hydrophobic polyvinyl alcohol-formaldehyde foams for organic solvents absorption and effective separation. <i>RSC Advances</i> , 2014, 4, 660-669.	3.6	53
7	Highly efficient macroporous adsorbents for toxic metal ions in water systems based on polyvinyl alcohol-formaldehyde sponges. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2537-2549.	10.3	53
8	Preparation and characterization of polyimide/Al ₂ O ₃ hybrid films by sol-gel process. <i>Journal of Applied Polymer Science</i> , 2008, 108, 705-712.	2.6	41
9	Effect of Grain Size on Pressure-Induced Structural Transition in Mn ₃ O ₄ . <i>Journal of Physical Chemistry C</i> , 2012, 116, 2165-2171.	3.1	41
10	Injectable and antibacterial μ -poly(L-lysine)-modified poly(vinyl alcohol)/chitosan/AgNPs hydrogels as wound healing dressings. <i>Polymer</i> , 2021, 212, 123155.	3.8	36
11	Characterization of the microstructure of impact polypropylene alloys by preparative temperature rising elution fractionation. <i>European Polymer Journal</i> , 2011, 47, 1646-1653.	5.4	32
12	Tunable Dual-Thermoresponsive Phase Behavior of Zwitterionic Polysulfobetaine Copolymers Containing Poly(N,N-dimethylaminoethyl methacrylate)-Grafted Silica Nanoparticles in Aqueous Solution. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 111-120.	2.2	32
13	Synthesis and Multi-Stimuli-Responsive Behavior of Poly(N,N-dimethylaminoethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 31, 8930-8939.	3.5	30
14	PVA/Poly(hexamethylene guanidine)/Gallic Acid Composite Hydrogel Films and Their Antibacterial Performance. <i>ACS Applied Polymer Materials</i> , 2021, 3, 3867-3877.	4.4	29
15	Critical concentration and scaling exponents of one soluble polyimide from dilute to semidilute entangled solutions. <i>Polymer</i> , 2016, 84, 275-285.	3.8	26
16	Copolymer Distribution in Core-Shell Rubber Particles in High-Impact Polypropylene Investigated by Atomic Force Microscopy-Infrared. <i>Macromolecules</i> , 2020, 53, 2686-2693.	4.8	26
17	Fabrication of Hyperbranched Block-Statistical Copolymer-Based Prodrug with Dual Sensitivities for Controlled Release. <i>Bioconjugate Chemistry</i> , 2018, 29, 190-202.	3.6	25
18	Characterization of the Microstructure of Bimodal HDPE Resin. <i>Polymer Journal</i> , 2009, 41, 622-628.	2.7	24

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19	The Critical Lowest Molecular Weight for PEG to Crystallize in Cross-Linked Networks. <i>Macromolecular Rapid Communications</i> , 2004, 25, 659-663.	3.9	23
20	Molar mass fractionation in aqueous two-phase polymer solutions of dextran and poly(ethylene) Tj ETQq0 0 0 rgBT ₃ Overlock _{10 Tf 50 7}	3.7	22
21	pH Dependence of Adsorbed Fibrinogen Conformation and Its Effect on Platelet Adhesion. <i>Langmuir</i> , 2016, 32, 4086-4094.	3.5	22
22	Direct Synthesis of Functional Thermoplastic Elastomer with Excellent Mechanical Properties by Scandium-Catalyzed Copolymerization of Ethylene and Fluorostyrenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25735-25740.	13.8	21
23	Immobilizing PEO-PPO-PEO triblock copolymers on hydrophobic surfaces and its effect on protein and platelet: A combined study using QCM-D and DPI. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 892-899.	5.0	20
24	Synthesis of a new kind of macroporous polyvinyl-alcohol formaldehyde based sponge and its water superabsorption performance. <i>RSC Advances</i> , 2015, 5, 78780-78789.	3.6	20
25	Preparation and absorption behavior to organic pollutants of macroporous hydrophobic polyvinyl alcohol-formaldehyde sponges. <i>RSC Advances</i> , 2014, 4, 35620-35628.	3.6	19
26	Preparation of hydrophilic luffa sponges and their water absorption performance. <i>Carbohydrate Polymers</i> , 2016, 147, 178-187.	10.2	18
27	Strategy to improve the characterization of chitosan by size exclusion chromatography coupled with multi angle laser light scattering. <i>Carbohydrate Polymers</i> , 2018, 202, 99-105.	10.2	17
28	Superfast and Reversible Thermoresponse of Poly(<i>N</i> -isopropylacrylamide) Hydrogels Grafted on Macroporous Poly(vinyl alcohol) Formaldehyde Sponges. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32747-32759.	8.0	17
29	Effect of Copolymerization Time on the Microstructure and Properties of Polypropylene/Poly(ethylene-co-propylene) In-Reactor Alloys. <i>Polymer Journal</i> , 2009, 41, 1098-1104.	2.7	16
30	Influence of molecular weight on scaling exponents and critical concentrations of one soluble 6FDA-TFDB polyimide in solution. <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	16
31	Silane Functionalized Polyvinyl-Alcohol Formaldehyde Sponges on Fast Oil Absorption. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5309-5317.	4.4	16
32	Synthesis and characterization of CdS nanocrystals in poly(styrene-co-maleic anhydride) copolymer. <i>Colloid and Polymer Science</i> , 2003, 281, 386-389.	2.1	15
33	Effect of shear on the crystallization of the poly(ether ether ketone). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 220-225.	2.1	14
34	Synthesis and antibacterial activities of quaternary ammonium salts with different alkyl chain lengths grafted on polyvinyl alcohol-formaldehyde sponges. <i>Reactive and Functional Polymers</i> , 2021, 158, 104797.	4.1	14
35	Superhydrophilic polyvinyl alcohol-formaldehyde composite sponges with hierachical pore structure for oil/water emulsion separation. <i>Reactive and Functional Polymers</i> , 2021, 165, 104975.	4.1	14
36	Synthesis, Characterization and Catalytic Properties of Chiral BINOL Functionalized Mesoporous Silicas for Enantioselective Morita-Baylis-Hillman Reaction. <i>Catalysis Letters</i> , 2008, 124, 418-427.	2.6	13

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37	Novel sulfonated polyimide ionomers by incorporating pyridine functional group in the polymer backbone. <i>Journal of Applied Polymer Science</i> , 2009, 114, 3190-3197.	2.6	13
38	Preparation and properties of ionic cross-linked sulfonated copolyimide membranes containing pyrimidine groups. <i>Polymers for Advanced Technologies</i> , 2012, 23, 31-37.	3.2	13
39	Facile synthesis and responsive behavior of PDMS- <i>b</i> -PEG diblock copolymer brushes via photoinitiated α -thiol-ene-click reaction. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2075-2083.	2.3	13
40	Effect of draw ratio on the morphologies and properties of BPDA/PMDA/ODA polyimide fibers. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 163-167.	2.6	13
41	Surface Grafting of a Quaternary Ammonium Salt on Macroporous Polyvinyl Alcohol-Formaldehyde Sponges and Their Highly Efficient Antibacterial Performance. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4936-4942.	4.4	13
42	Charged group-modified poly(vinyl alcohol) hydrogels: Preparation and antibacterial property. <i>Reactive and Functional Polymers</i> , 2020, 154, 104635.	4.1	13
43	Viscoelastic behaviour and relaxation modes of one polyamic acid organogel studied by rheometers and dynamic light scattering. <i>Soft Matter</i> , 2018, 14, 73-82.	2.7	12
44	Adsorption of poly(vinyl alcohol) on gel permeation chromatography columns depends on the degree of hydrolysis. <i>Journal of Chromatography A</i> , 2019, 1585, 138-143.	3.7	12
45	A Facile Approach to Produce Star Polymers Based on Coordination Polymerization. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	12
46	Preparative Temperature Rising Elution Fractionation of One Poly(1-butene) Copolymer and Its Chain Microstructure Characterization. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 16869-16876.	3.7	11
47	Preparation of macroporous polyvinyl alcohol formaldehyde based hydrogels and their dual thermo- and pH-responsive behavior. <i>Applied Surface Science</i> , 2020, 509, 144754.	6.1	11
48	Conformation and persistence length of chitosan in aqueous solutions of different ionic strengths via asymmetric flow field-flow fractionation. <i>Carbohydrate Polymers</i> , 2021, 271, 118402.	10.2	11
49	Nanoparticle Loading Induced Morphological Transitions and Size Fractionation of Coassemblies from PS- <i>b</i> -PAA with Quantum Dots. <i>Langmuir</i> , 2016, 32, 7596-7605.	3.5	10
50	Chain Conformation and Local Rigidity of Isomerized Polyimides in Dimethyl Formamide by Size Exclusion Chromatography Coupled with Multi-Detectors. <i>Chromatographia</i> , 2012, 75, 7-15.	1.3	9
51	Solvent gradient fractionation and chain microstructure of complex branched polyethylene resin. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	9
52	Associating behavior of one polyimide with high molecular weight in solution through a relatively weak interaction. <i>Polymer</i> , 2018, 141, 166-174.	3.8	9
53	Preparation of cationic polyelectrolyte grafted polyvinyl alcohol-formaldehyde macroporous hydrogels and their antibacterial properties. <i>New Journal of Chemistry</i> , 2019, 43, 14961-14971.	2.8	9
54	Templated Synthesis of Composite Rings Using Core-Shell Toroids. <i>Macromolecular Rapid Communications</i> , 2007, 28, 1122-1127.	3.9	8

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55	Viscoelasticity of poly(ethylene glycol) in aqueous solutions of potassium sulfate: a comparison of quartz crystal microbalance with conventional methods. <i>Polymer Journal</i> , 2019, 51, 471-480.	2.7	8
56	Influence of solvent solubility parameter on the power law exponents and critical concentrations of one soluble polyimide in solution. <i>Journal of Polymer Research</i> , 2019, 26, 1.	2.4	8
57	Solvent gradient fractionation of Polybutene-1 resin and its molecular weight dependency of Form II to I transformation. <i>Polymer</i> , 2020, 198, 122536.	3.8	8
58	Molecular chain heterogeneity of a branched polyethylene resin using cross-fractionation techniques. <i>Journal of Polymer Research</i> , 2015, 22, 1.	2.4	7
59	Chain structure comparison of two low density polyethylene resins fractionated by temperature rising elution fractionation and thermal fractionation. <i>Journal of Polymer Research</i> , 2019, 26, 1.	2.4	7
60	Chromatographic mode transition from size exclusion to slalom chromatography as observed for chitosan. <i>Carbohydrate Polymers</i> , 2020, 235, 115950.	10.2	7
61	Viscoelastic behavior of high molecular weight polyimide/cyclohexanone solution during sol-gel transition. <i>Polymer</i> , 2020, 190, 122250.	3.8	7
62	Three-dimensional superhydrophilic polyvinyl alcohol-formaldehyde composite sponges with suitable pore sizes for high efficiency emulsion separation. <i>New Journal of Chemistry</i> , 2021, 45, 17816-17826.	2.8	7
63	Studies on confined crystallization behavior of polycaprolactone thin films. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2007, 2, 343-348.	0.4	6
64	Microstructure characterization of one high-speed extrusion coating polyethylene resin fractionated by solvent gradient fractionation. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	6
65	Preparation of polyvinyl alcohol formaldehyde-g-poly(2-(dimethylamino)ethyl methacrylate) macroporous hydrogels and their dual thermo/pH-responsive behavior and antibacterial performance. <i>Reactive and Functional Polymers</i> , 2021, 164, 104916.	4.1	6
66	Associative behavior of polyimide/cyclohexanone solutions. <i>RSC Advances</i> , 2019, 9, 27455-27463.	3.6	5
67	Influence of Heating Rate on the Structure and Mechanical Properties of Aromatic BPDA-PDA Polyimide Fiber. <i>Polymers</i> , 2020, 12, 510.	4.5	5
68	Low temperature and low toxicity synthesis of highly luminescent CdSe/CdS core-shell nanocrystals in a two-phase system. <i>CrystEngComm</i> , 2011, 13, 5243.	2.6	4
69	Comparison of chain microstructure between two propylene-ethylene copolymer resins with bimodal melting temperature distribution. <i>Polymer</i> , 2020, 211, 123118.	3.8	3
70	Influence of isothermal crystallization temperature on the temperature rising elution fractionation for a poly(1-butene-co-ethylene) resin. <i>Polymer</i> , 2021, 221, 123584.	3.8	3
71	Control of self-organized low-dimensional morphology in poly(styrene- <i>b</i> -4-vinylpyridine)/polystyrene blend thin films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 3496-3504.	2.1	2
72	Synthesis and structural characterization of trimethyl chitosan. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51811.	2.6	2

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73	Non-Isothermal Crystallisation Kinetics of Polyamide 6/Mesoporous Silica Nanocomposites. <i>Polymers and Polymer Composites</i> , 2007, 15, 561-567.	1.9	1
74	Influence of polystyrene ligand length on the spatial arrangement of quantum dots within PS-b-PEO micelles. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	1
75	A Facile Approach to Produce Star Polymers Based on Coordination Polymerization. <i>Angewandte Chemie</i> , 0, , .	2.0	0