

Yin Ning Zhou

List of Publications by Citations

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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.

60
papers

1,662
citations

22
h-index

39
g-index

70
ext. papers

2,008
ext. citations

7.2
avg, IF

5.6
L-index

#	Paper	IF	Citations
60	Smart Fiber Membrane for pH-Induced Oil/Water Separation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19643-50	9.5	186
59	Polymeric materials with switchable superwettability for controllable oil/water separation: A comprehensive review. <i>Progress in Polymer Science</i> , 2018 , 87, 1-33	29.6	131
58	Role of External Field in Polymerization: Mechanism and Kinetics. <i>Chemical Reviews</i> , 2020 , 120, 2950-3048	48.1	81
57	Let spiropyran help polymers feel force!. <i>Progress in Polymer Science</i> , 2018 , 79, 26-39	29.6	79
56	Electrospun Fibrous Mat with pH-Switchable Superwettability That Can Separate Layered Oil/Water Mixtures. <i>Langmuir</i> , 2016 , 32, 13358-13366	4	64
55	State-of-the-Art and Progress in Method of Moments for the Model-Based Reversible-Deactivation Radical Polymerization. <i>Macromolecular Reaction Engineering</i> , 2016 , 10, 516-534	1.5	64
54	Synthesis of gradient copolymers with simultaneously tailor-made chain composition distribution and glass transition temperature by semibatch ATRP: From modeling to application. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 3052-3066	2.5	58
53	Mussel-inspired V-shaped copolymer coating for intelligent oil/water separation. <i>Chemical Engineering Journal</i> , 2017 , 322, 693-701	14.7	55
52	A light and pH dual-stimuli-responsive block copolymer synthesized by copper(0)-mediated living radical polymerization: solvatochromic, isomerization, and "schizophrenic" behaviors. <i>Langmuir</i> , 2014 , 30, 1489-99	4	48
51	PhotoATRP-Based Fluorinated Thermosensitive Block Copolymer for Controllable Water/Oil Separation. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 10714-10722	3.9	45
50	Poly(ionic liquid)s-based nanocomposite polyelectrolytes with tunable ionic conductivity prepared via SI-ATRP. <i>Polymer Chemistry</i> , 2014 , 5, 882-891	4.9	45
49	Aqueous Metal-Free Atom Transfer Radical Polymerization: Experiments and Model-Based Approach for Mechanistic Understanding. <i>Macromolecules</i> , 2018 , 51, 2367-2376	5.5	44
48	Light-responsive smart surface with controllable wettability and excellent stability. <i>Langmuir</i> , 2014 , 30, 12236-42	4	44
47	Kinetic Insights into the Iron-Based Electrochemically Mediated Atom Transfer Radical Polymerization of Methyl Methacrylate. <i>Macromolecules</i> , 2016 , 49, 4038-4046	5.5	41
46	Copper(0)-Mediated Reversible-Deactivation Radical Polymerization: Kinetics Insight and Experimental Study. <i>Macromolecules</i> , 2014 , 47, 6218-6229	5.5	41
45	An old kinetic method for a new polymerization mechanism: Toward photochemically mediated ATRP. <i>AIChE Journal</i> , 2015 , 61, 1947-1958	3.6	38
44	Thermo-responsive brush copolymers with structure-tunable LCST and switchable surface wettability. <i>Polymer</i> , 2014 , 55, 6552-6560	3.9	37

43	Kinetic insight into electrochemically mediated ATRP gained through modeling. <i>AICHE Journal</i> , 2015 , 61, 4347-4357	3.6	35
42	Facile synthesis of gradient copolymers via semi-batch copper(0)-mediated living radical copolymerization at ambient temperature. <i>Polymer Chemistry</i> , 2013 , 4, 76-84	4.9	27
41	Photoinduced Iron(III)-Mediated Atom Transfer Radical Polymerization with In Situ Generated Initiator: Mechanism and Kinetics Studies. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 10235-10242	3.9	24
40	Mechanically Mediated Atom Transfer Radical Polymerization: Exploring Its Potential at High Conversions. <i>Macromolecules</i> , 2018 , 51, 6911-6921	5.5	22
39	Iron-based electrochemically mediated atom transfer radical polymerization with tunable catalytic activity. <i>AICHE Journal</i> , 2018 , 64, 961-969	3.6	21
38	Modeling of the Atom Transfer Radical Copolymerization Processes of Methyl Methacrylate and 2-(Trimethylsilyl) Ethyl Methacrylate under Batch, Semibatch, and Continuous Feeding: A Chemical Reactor Engineering Viewpoint. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 11873-11883	3.9	20
37	Thermal-Responsive Block Copolymers for Surface with Reversible Switchable Wettability. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 18112-18120	3.9	20
36	Synthesis and pH-responsive micellization of brush copolymers poly(methyl methacrylate-co-2-(2-bromoisobutyryloxy)ethyl methacrylate-graft-acrylic acid): role of composition profile. <i>Soft Matter</i> , 2012 , 8, 11051	3.6	20
35	Visible-Light-Induced Atom-Transfer-Radical Polymerization with a ppm-Level Iron Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 4949-4956	3.9	18
34	Electrochemically mediated ATRP process intensified by ionic liquid: A flash polymerization of methyl acrylate. <i>Chemical Engineering Journal</i> , 2019 , 372, 163-170	14.7	18
33	Photoinduced Fe-mediated atom transfer radical polymerization in aqueous media. <i>Polymer Chemistry</i> , 2017 , 8, 7360-7368	4.9	17
32	Experimental and computational investigation of oxidative quenching governed aqueous organocatalyzed atom transfer radical polymerization. <i>Chemical Engineering Journal</i> , 2019 , 362, 721-730	14.7	16
31	Assessment of kinetics of photoinduced Fe-based atom transfer radical polymerization under conditions using modeling approach. <i>AICHE Journal</i> , 2017 , 63, 4987-4997	3.6	15
30	Fluorinated AB diblock copolymers and their aggregates in organic solvents. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 3647-3657	2.5	14
29	Coupled matrix kinetic Monte Carlo simulations applied for advanced understanding of polymer grafting kinetics. <i>Reaction Chemistry and Engineering</i> , 2021 , 6, 640-661	4.9	14
28	An intensive green emitting terbium complex using a newly designed aromatic hyperbranched polyester as an efficient antenna ligand. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 11620-11630	7.1	13
27	Modeling of the ATRCoP Processes of Methyl Methacrylate and 2-(Trimethylsilyl) Ethyl Methacrylate in Continuous Reactors: From CSTR to PFR. <i>Macromolecular Reaction Engineering</i> , 2015 , 9, 418-430	1.5	12
26	Mechanistic and kinetic investigation of Cu(II)-catalyzed controlled radical polymerization enabled by ultrasound irradiation. <i>AICHE Journal</i> , 2020 , 66, e16746	3.6	12

25	CO ₂ /N ₂ -Switchable Thermo-responsive Ionic Liquid Copolymer. <i>Macromolecules</i> , 2017 , 50, 8378-8389	5.5	11
24	Insight into the ATRP rate controlling ability of initiator structure: Micromolecular, macromolecular, and immobilized initiators. <i>Journal of Polymer Science Part A</i> , 2014 , 52, 2228-2238	2.5	11
23	Kinetic modeling of two-step RAFT process for the production of novel fluorosilicone triblock copolymers. <i>European Polymer Journal</i> , 2010 , 46, 2164-2173	5.2	11
22	Dual-responsive copolymer poly(2,2,3,4,4-hexafluorobutyl methacrylate)-block-poly[2-(dimethylamino)ethyl methacrylate] synthesized via photoATRP for surface with tunable wettability. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 3868-3877	2.5	10
21	Network Formation Kinetics of Poly(dimethylsiloxane) Based on Step-Growth Polymerization. <i>Macromolecules</i> , 2021 , 54, 7678-7689	5.5	10
20	Living Polymer Dispersity Quantification for Nitroxide-Mediated Polymerization Systems by Mimicking a Monodispersed Polymer Blending Strategy. <i>Macromolecules</i> , 2020 , 53, 10813-10822	5.5	9
19	Bridging principal component analysis and method of moments based parameter estimation for grafting of polybutadiene with styrene. <i>Chemical Engineering Journal</i> , 2021 , 425, 130463	14.7	7
18	A polyelectrolyte-containing copolymer with a gas-switchable lower critical solution temperature-type phase transition. <i>Polymer Chemistry</i> , 2019 , 10, 260-266	4.9	6
17	The synthesis and enhancement of the surface properties of polyfluorene-based photoelectric materials by introducing fluoromonomers. <i>RSC Advances</i> , 2013 , 3, 5045	3.7	6
16	Kinetic modeling of atom transfer radical copolymerization of methyl methacrylate and 2-(trimethylsilyl) ethyl methacrylate in a train of continuous stirred-tank reactors. <i>Polymer Engineering and Science</i> , 2015 , 55, 1030-1038	2.3	6
15	A Tandem Controlled Radical Polymerization Technique for the Synthesis of Poly(4-vinylpyridine) Block Copolymers: Successive ATRP, SET-NRC, and NMP. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 329-333	2.6	6
14	Double-external-field enables bulk controlled radical polymerization with narrow molecular weight distribution at high conversion. <i>AIChE Journal</i> , 2020 , 66, e16245	3.6	6
13	Synthesis and characterization of polyfluorene-based photoelectric materials: the effect of coil segment on the spectral stability. <i>RSC Advances</i> , 2014 , 4, 19869-19877	3.7	5
12	Modeling of the atom transfer radical polymerization for preparing novel fluorosilicone diblock copolymers in a semi-batch reactor. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 3473-3481	2.9	4
11	Cost-efficient modeling of distributed molar mass and topological variations in graft copolymer synthesis by upgrading the method of moments. <i>AIChE Journal</i> ,	3.6	4
10	In silico mechanically mediated atom transfer radical polymerization: A detailed kinetic study. <i>AIChE Journal</i> , 2021 , 67, e17151	3.6	4
9	Precision Polymer Synthesis by Controlled Radical Polymerization: Fusing the progress from Polymer Chemistry and Reaction Engineering. <i>Progress in Polymer Science</i> , 2022 , 101555	29.6	4
8	Kinetic Study on Ultraviolet Light-Induced Solution Atom Transfer Radical Polymerization of Methyl Acrylate Using TiO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 13870-13878	3.9	3

7	Enhanced understanding and implementation of the self-assembly of fluorosilicone double-hydrophobic diblock copolymers in dilute solutions from thermodynamic perspective: The effect of different preparation factors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 436, 990-999	5.1	3
6	Solvothermal synthesis of covalent triazine framework and its application in photodegradation of organic dyes. <i>Materials Today Chemistry</i> , 2021 , 20, 100475	6.2	3
5	Kinetic features of iron-based electrochemically mediated ATRP revealed by Monte Carlo simulation. <i>AIChE Journal</i> , 2021 , 67, e17098	3.6	3
4	Computer-aided estimation of kinetic rate constant for degradation of volatile organic compounds by hydroxyl radical: An improved model using quantum chemical and norm descriptors. <i>Chemical Engineering Science</i> , 2021 , 248, 117244	4.4	1
3	Engineering bicontinuous polymeric monoliths through high internal phase emulsion templating. <i>Materials Today Communications</i> , 2020 , 22, 100813	2.5	1
2	Porous PS- and PMMA-based polymeric monoliths prepared by PEO-PS block copolymers stabilized High internal phase emulsion templates. <i>Materials Today Communications</i> , 2021 , 26, 101962	2.5	1
1	Sensitivity analysis of isothermal free radical induced grafting through application of the distribution - Numerical fractionation - Method of moments. <i>Chemical Engineering Journal</i> , 2022 , 444, 136595	14.7	1