Yin Ning Zhou

List of Publications by Year in Descending Order

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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	Precision Polymer Synthesis by Controlled Radical Polymerization: Fusing the progress from Polymer Chemistry and Reaction Engineering. *Progress in Polymer Science*, **2022**, 101555	29.6	4
59	Sensitivity analysis of isothermal free radical induced grafting through application of the distribution - Numerical fractionation - Method of moments. *Chemical Engineering Journal*, **2022**, 444, 136595	14.7	1
58	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. *Chemical Engineering Science*, **2021**, 248, 117244	4.4	1
57	Solvothermal synthesis of covalent triazine framework and its application in photodegradation of organic dyes. *Materials Today Chemistry*, **2021**, 20, 100475	6.2	3
56	Kinetic features of iron-based electrochemically mediated ATRP revealed by Monte Carlo simulation. *AICHE Journal*, **2021**, 67, e17098	3.6	3
55	Porous PS- and PMMA-based polymeric monoliths prepared by PEO-PS block copolymers stabilized High internal phase emulsion templates. *Materials Today Communications*, **2021**, 26, 101962	2.5	1
54	Network Formation Kinetics of Poly(dimethylsiloxane) Based on Step-Growth Polymerization. *Macromolecules*, **2021**, 54, 7678-7689	5.5	10
53	Bridging principal component analysis and method of moments based parameter estimation for grafting of polybutadiene with styrene. *Chemical Engineering Journal*, **2021**, 425, 130463	14.7	7
52	Coupled matrix kinetic Monte Carlo simulations applied for advanced understanding of polymer grafting kinetics. *Reaction Chemistry and Engineering*, **2021**, 6, 640-661	4.9	14
51	In silico mechanically mediated atom transfer radical polymerization: A detailed kinetic study. *AICHE Journal*, **2021**, 67, e17151	3.6	4
50	Living Polymer Dispersity Quantification for Nitroxide-Mediated Polymerization Systems by Mimicking a Monodispersed Polymer Blending Strategy. *Macromolecules*, **2020**, 53, 10813-10822	5.5	9
49	Kinetic Study on Ultraviolet Light-Induced Solution Atom Transfer Radical Polymerization of Methyl Acrylate Using TiO2. *Industrial & Engineering Chemistry Research*, **2020**, 59, 13870-13878	3.9	3
48	Role of External Field in Polymerization: Mechanism and Kinetics. *Chemical Reviews*, **2020**, 120, 2950-3048	68.1	81
47	Engineering bicontinuous polymeric monoliths through high internal phase emulsion templating. *Materials Today Communications*, **2020**, 22, 100813	2.5	1
46	Mechanistic and kinetic investigation of Cu(II)-catalyzed controlled radical polymerization enabled by ultrasound irradiation. *AICHE Journal*, **2020**, 66, e16746	3.6	12
45	Double-external-field enables bulk controlled radical polymerization with narrow molecular weight distribution at high conversion. *AICHE Journal*, **2020**, 66, e16245	3.6	6
44	A polyelectrolyte-containing copolymer with a gas-switchable lower critical solution temperature-type phase transition. *Polymer Chemistry*, **2019**, 10, 260-266	4.9	6

43	Experimental and computational investigation of oxidative quenching governed aqueous organocatalyzed atom transfer radical polymerization. *Chemical Engineering Journal*, **2019**, 362, 721-730	14.7	16
42	Electrochemically mediated ATRP process intensified by ionic liquid: A flash polymerization of methyl acrylate. *Chemical Engineering Journal*, **2019**, 372, 163-170	14.7	18
41	Aqueous Metal-Free Atom Transfer Radical Polymerization: Experiments and Model-Based Approach for Mechanistic Understanding. *Macromolecules*, **2018**, 51, 2367-2376	5.5	44
40	Iron-based electrochemically mediated atom transfer radical polymerization with tunable catalytic activity. *AICHE Journal*, **2018**, 64, 961-969	3.6	21
39	Polymeric materials with switchable superwettability for controllable oil/water separation: A comprehensive review. *Progress in Polymer Science*, **2018**, 87, 1-33	29.6	131
38	Let spiropyran help polymers feel force!. *Progress in Polymer Science*, **2018**, 79, 26-39	29.6	79
37	Mechanically Mediated Atom Transfer Radical Polymerization: Exploring Its Potential at High Conversions. *Macromolecules*, **2018**, 51, 6911-6921	5.5	22
36	Mussel-inspired V-shaped copolymer coating for intelligent oil/water separation. *Chemical Engineering Journal*, **2017**, 322, 693-701	14.7	55
35	Visible-Light-Induced Atom-Transfer-Radical Polymerization with a ppm-Level Iron Catalyst. *Industrial & Engineering Chemistry Research*, **2017**, 56, 4949-4956	3.9	18
34	An intensive green emitting terbium complex using a newly designed aromatic hyperbranched polyester as an efficient antenna ligand. *Journal of Materials Chemistry C*, **2017**, 5, 11620-11630	7.1	13
33	CO2/N2-Switchable Thermoresponsive Ionic Liquid Copolymer. *Macromolecules*, **2017**, 50, 8378-8389	5.5	11
32	Assessment of kinetics of photoinduced Fe-based atom transfer radical polymerization under conditions using modeling approach. *AICHE Journal*, **2017**, 63, 4987-4997	3.6	15
31	Photoinduced Fe-mediated atom transfer radical polymerization in aqueous media. *Polymer Chemistry*, **2017**, 8, 7360-7368	4.9	17
30	Photoinduced Iron(III)-Mediated Atom Transfer Radical Polymerization with In Situ Generated Initiator: Mechanism and Kinetics Studies. *Industrial & Engineering Chemistry Research*, **2016**, 55, 10235-10242	3.9	24
29	Dual-responsive copolymer poly(2,2,3,4,4,4-hexafluorobutyl methacrylate)-block-poly[2-(dimethylamino)ethyl methacrylate] synthesized via photoATRP for surface with tunable wettability. *Journal of Polymer Science Part A*, **2016**, 54, 3868-3877	2.5	10
28	Kinetic Insights into the Iron-Based Electrochemically Mediated Atom Transfer Radical Polymerization of Methyl Methacrylate. *Macromolecules*, **2016**, 49, 4038-4046	5.5	41
27	Electrospun Fibrous Mat with pH-Switchable Superwettability That Can Separate Layered Oil/Water Mixtures. *Langmuir*, **2016**, 32, 13358-13366	4	64
26	State-of-the-Art and Progress in Method of Moments for the Model-Based Reversible-Deactivation Radical Polymerization. *Macromolecular Reaction Engineering*, **2016**, 10, 516-534	1.5	64

25	PhotoATRP-Based Fluorinated Thermosensitive Block Copolymer for Controllable Water/Oil Separation. *Industrial & Engineering Chemistry Research*, **2015**, 54, 10714-10722	3.9	45
24	Smart Fiber Membrane for pH-Induced Oil/Water Separation. *ACS Applied Materials & Interfaces*, **2015**, 7, 19643-50	9.5	186
23	An old kinetic method for a new polymerization mechanism: Toward photochemically mediated ATRP. *AICHE Journal*, **2015**, 61, 1947-1958	3.6	38
22	Kinetic insight into electrochemically mediated ATRP gained through modeling. *AICHE Journal*, **2015**, 61, 4347-4357	3.6	35
21	Kinetic modeling of atom transfer radical copolymerization of methyl methacrylate and 2-(trimethylsilyl) ethyl methacrylate in a train of continuous stirred-tank reactors. *Polymer Engineering and Science*, **2015**, 55, 1030-1038	2.3	6
20	Modeling of the ATRcoP Processes of Methyl Methacrylate and 2-(Trimethylsilyl) Ethyl Methacrylate in Continuous Reactors: From CSTR to PFR. *Macromolecular Reaction Engineering*, **2015**, 9, 418-430	1.5	12
19	A Tandem Controlled Radical Polymerization Technique for the Synthesis of Poly(4-vinylpyridine) Block Copolymers: Successive ATRP, SET-NRC, and NMP. *Macromolecular Chemistry and Physics*, **2015**, 216, 329-333	2.6	6
18	Poly(ionic liquid)s-based nanocomposite polyelectrolytes with tunable ionic conductivity prepared via SI-ATRP. *Polymer Chemistry*, **2014**, 5, 882-891	4.9	45
17	Synthesis and characterization of polyfluorene-based photoelectric materials: the effect of coil segment on the spectral stability. *RSC Advances*, **2014**, 4, 19869-19877	3.7	5
16	Copper(0)-Mediated Reversible-Deactivation Radical Polymerization: Kinetics Insight and Experimental Study. *Macromolecules*, **2014**, 47, 6218-6229	5.5	41
15	Light-responsive smart surface with controllable wettability and excellent stability. *Langmuir*, **2014**, 30, 12236-42	4	44
14	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. *Industrial & Engineering Chemistry Research*, **2014**, 53, 11873-11883	3.9	20
13	A light and pH dual-stimuli-responsive block copolymer synthesized by copper(0)-mediated living radical polymerization: solvatochromic, isomerization, and "schizophrenic" behaviors. *Langmuir*, **2014**, 30, 1489-99	4	48
12	Thermal-Responsive Block Copolymers for Surface with Reversible Switchable Wettability. *Industrial & Engineering Chemistry Research*, **2014**, 53, 18112-18120	3.9	20
11	Insight into the ATRP rate controlling ability of initiator structure: Micromolecular, macromolecular, and immobilized initiators. *Journal of Polymer Science Part A*, **2014**, 52, 2228-2238	2.5	11
10	Thermo-responsive brush copolymers with structure-tunable LCST and switchable surface wettability. *Polymer*, **2014**, 55, 6552-6560	3.9	37
9	Facile synthesis of gradient copolymers via semi-batch copper(0)-mediated living radical copolymerization at ambient temperature. *Polymer Chemistry*, **2013**, 4, 76-84	4.9	27
8	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. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 436, 990-999	5.1	3

7	The synthesis and enhancement of the surface properties of polyfluorene-based photoelectric materials by introducing fluoromonomers. *RSC Advances*, **2013**, 3, 5045	3.7	6
6	Modeling of the atom transfer radical polymerization for preparing novel fluorosilicone diblock copolymers in a semi-batch reactor. *Journal of Applied Polymer Science*, **2013**, 130, 3473-3481	2.9	4
5	Synthesis and pH-responsive micellization of brush copolymers poly(methyl methacrylate-co-2-(2-bromoisobutyryloxy)ethyl methacrylate-graft-acrylic acid): role of composition profile. *Soft Matter*, **2012**, 8, 11051	3.6	20
4	Synthesis of gradient copolymers with simultaneously tailor-made chain composition distribution and glass transition temperature by semibatch ATRP: From modeling to application. *Journal of Polymer Science Part A*, **2012**, 50, 3052-3066	2.5	58
3	Fluorinated AB diblock copolymers and their aggregates in organic solvents. *Journal of Polymer Science Part A*, **2011**, 49, 3647-3657	2.5	14
2	Kinetic modeling of two-step RAFT process for the production of novel fluorosilicone triblock copolymers. *European Polymer Journal*, **2010**, 46, 2164-2173	5.2	11
1	Cost-efficient modeling of distributed molar mass and topological variations in graft copolymer synthesis by upgrading the method of moments. *AICHE Journal*,	3.6	4