

Xiao-Dong Ye

List of Publications by Year in descending order

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77
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3,323
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230014

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79
all docs

79
docs citations

79
times ranked

6199
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on the structure and formation mechanism of 15S globulin of soybeans. <i>Food Hydrocolloids</i> , 2021, 113, 106461.	5.6	7
2	Assembly status transition offers an avenue for activity modulation of a supramolecular enzyme. <i>ELife</i> , 2021, 10, .	2.8	3
3	Crystal structure of caspase-11 CARD provides insights into caspase-11 activation. <i>Cell Discovery</i> , 2020, 6, 70.	3.1	14
4	Characterization of mixed solutions of hyperbranched and linear polystyrenes by a combination of size-exclusion chromatography and analytical ultracentrifugation. <i>Journal of Polymer Science</i> , 2020, 58, 756-765.	2.0	0
5	Synthesis and characterization of degradable hyperbranched poly(2-ethyl-2-oxazoline). <i>Journal of Polymer Science Part A</i> , 2019, 57, 2030-2037.	2.5	7
6	Biased Lewis Pairs: A General Catalytic Approach to Ether-Ester Block Copolymers with Unlimited Ordering of Sequences. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15478-15487.	7.2	90
7	Preparation and Controlled Degradation of Model Amphiphilic Long-Subchain Hyperbranched Copolymers: Hyperblock versus Hypergraft. <i>Macromolecules</i> , 2019, 52, 1173-1187.	2.2	11
8	Universal Synthetic Strategy for the Construction of Topological Polystyrenesulfonates: The Importance of Linkage Stability during Sulfonation. <i>ACS Macro Letters</i> , 2019, 8, 730-736.	2.3	9
9	A Novel Initiator Containing Alkyne Group for the Polymerization of 2-Ethyl-2-oxazoline. <i>Chinese Journal of Chemical Physics</i> , 2018, 31, 77-84.	0.6	5
10	Effect of a single repeat sequence of the human telomere d(TTAGGG) on structure of single-stranded telomeric DNA d[AGGG(TTAGGG) ₆]. <i>Chinese Journal of Chemical Physics</i> , 2018, 31, 635-640.	0.6	1
11	Effect of pH and content of reduction-sensitive copolymer on the guest exchange kinetics of micelles. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1636-1644.	2.4	0
12	The effect of surface poly(ethylene glycol) length on in vivo drug delivery behaviors of polymeric nanoparticles. <i>Biomaterials</i> , 2018, 182, 104-113.	5.7	70
13	Reduction-responsive diblock copolymer-modified gold nanorods for enhanced cellular uptake. <i>RSC Advances</i> , 2018, 8, 27546-27555.	1.7	6
14	New insights into folding kinetics of 1±, 1% dye-functionalized poly(N - isopropylacrylamide). <i>Chinese Journal of Chemical Physics</i> , 2018, 31, 789-798.	0.6	2
15	Conformations and molecular interactions of poly- ¹³ C-glutamic acid as a soluble microbial product in aqueous solutions. <i>Scientific Reports</i> , 2017, 7, 12787.	1.6	35
16	Response of extracellular polymeric substances to thermal treatment in sludge dewatering process. <i>Environmental Pollution</i> , 2017, 231, 1388-1392.	3.7	45
17	Effect of Hydrophobic Chain Length on the Stability and Guest Exchange Behavior of Shell-Sheddable Micelles Formed by Disulfide-Linked Diblock Copolymers. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9708-9717.	1.2	7
18	Sedimentation velocity analysis of TMPyP4-induced dimer formation of human telomeric G-quadruplex. <i>RSC Advances</i> , 2017, 7, 55098-55105.	1.7	7

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19	Long-subchain Janus-dendritic copolymers from locally confined click reaction and generation-dependent micro-phase separation. <i>Polymer Chemistry</i> , 2017, 8, 3889-3900.	1.9	4
20	Aggregation and Gelation of Aromatic Polyamides with Parallel and Anti-parallel Alignment of Molecular Dipole Along the Backbone. <i>Scientific Reports</i> , 2016, 6, 39124.	1.6	1
21	Surface charge critically affects tumor penetration and therapeutic efficacy of cancer nanomedicines. <i>Nano Today</i> , 2016, 11, 133-144.	6.2	208
22	Double stimuli-responsive polymer systems: How to use crosstalk between pH- and thermosensitivity for drug depots. <i>European Polymer Journal</i> , 2016, 84, 54-64.	2.6	14
23	Degradable polyurethane with poly(2-ethyl-2-oxazoline) brushes for protein resistance. <i>RSC Advances</i> , 2016, 6, 69930-69938.	1.7	21
24	Insight into the effect of methylated urea on the phase transition of aqueous solutions of poly(N) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1145-1151.	2.4	3
25	The effects of monovalent metal ions on the conformation of human telomere DNA using analytical ultracentrifugation. <i>Soft Matter</i> , 2016, 12, 5959-5967.	1.2	10
26	pH-induced conformational change and hydration of poly(methacrylic acid) investigated by analytical ultracentrifugation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 536-537.	1.7	0
27	Smart Superstructures with Ultrahigh pH-Sensitivity for Targeting Acidic Tumor Microenvironment: Instantaneous Size Switching and Improved Tumor Penetration. <i>ACS Nano</i> , 2016, 10, 6753-6761.	7.3	461
28	pH-Regulated Reversible Transition Between Polyion Complexes (PIC) and Hydrogen-Bonding Complexes (HBC) with Tunable Aggregation-Induced Emission. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3693-3702.	4.0	22
29	Investigation of pH-induced conformational change and hydration of poly(methacrylic acid) by analytical ultracentrifugation. <i>Soft Matter</i> , 2015, 11, 5381-5388.	1.2	29
30	Synthesis and properties of amphiphilic and biodegradable poly(ϵ -caprolactone- <i>co</i> -glycidol) copolymers. <i>Journal of Polymer Science Part A</i> , 2015, 53, 846-853.	2.5	23
31	Regulating the surface poly(ethylene glycol) density of polymeric nanoparticles and evaluating its role in drug delivery in vivo. <i>Biomaterials</i> , 2015, 69, 1-11.	5.7	88
32	Quantitative evaluation of noncovalent interactions between polyphosphate and dissolved humic acids in aqueous conditions. <i>Environmental Pollution</i> , 2015, 207, 123-129.	3.7	10
33	Construction and Properties of Hyperbranched Block Copolymer with Independently Adjustable Heterosubchains. <i>Macromolecules</i> , 2014, 47, 8437-8445.	2.2	25
34	Surfactant-mediated settleability and dewaterability of activated sludge. <i>Chemical Engineering Science</i> , 2014, 116, 228-234.	1.9	54
35	Comparative Study of Solution Properties of Amphiphilic 8-Shaped Cyclic-(Polystyrene- <i>b</i> -Poly(acrylic acid)) ₂ and Its Linear Precursor. <i>Macromolecules</i> , 2014, 47, 2487-2495.	2.2	25
36	Effect of Urea on Phase Transition of Poly(<i>N</i> -isopropylacrylamide) Investigated by Differential Scanning Calorimetry. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9460-9466.	1.2	57

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37	Degradation Kinetics of Model Hyperbranched Chains with Uniform Subchains and Controlled Locations of Cleavable Disulfide Linkages. <i>Macromolecules</i> , 2014, 47, 650-658.	2.2	27
38	Poly(l-lactide-co-2-(2-methoxyethoxy)ethyl methacrylate): A biodegradable polymer with protein resistance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 531-536.	2.5	11
39	Effect of carbon chain length of monocarboxylic acids on cloud point temperature of poly(2-ethyl-2-oxazoline). <i>Colloid and Polymer Science</i> , 2013, 291, 919-925.	1.0	9
40	pH-Induced Conformational Change and Dimerization of DNA Chains Investigated by Analytical Ultracentrifugation. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11541-11547.	1.2	12
41	Scaling laws between the hydrodynamic parameters and molecular weight of linear poly(2-ethyl-2-oxazoline). <i>RSC Advances</i> , 2013, 3, 15108.	1.7	16
42	Hydration interactions and stability of soluble microbial products in aqueous solutions. <i>Water Research</i> , 2013, 47, 5921-5929.	5.3	29
43	Surface Facet of Palladium Nanocrystals: A Key Parameter to the Activation of Molecular Oxygen for Organic Catalysis and Cancer Treatment. <i>Journal of the American Chemical Society</i> , 2013, 135, 3200-3207.	6.6	321
44	A Comparative Study of Urea-Induced Aggregation of Collapsed Poly(<i>N</i> -isopropylacrylamide) and Poly(<i>N,N</i> -diethylacrylamide) Chains in Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7481-7488.	1.2	19
45	Coagulation Kinetics of Humic Aggregates in Mono- and Di-Valent Electrolyte Solutions. <i>Environmental Science & Technology</i> , 2013, 47, 5042-5049.	4.6	100
46	Kinetics of Coil-to-Globule Transition of Dansyl-Labeled Poly(<i>N</i> -isopropylacrylamide) Chains in Aqueous Solution. <i>Chinese Journal of Chemical Physics</i> , 2012, 25, 389-397.	0.6	3
47	Phase Transition of Poly(acrylic acid-co- <i>N</i> -isopropylacrylamide) Core-shell Nanogels. <i>Chinese Journal of Chemical Physics</i> , 2012, 25, 463-468.	0.6	4
48	Spatial configuration of extracellular polymeric substances of <i>Bacillus megaterium</i> TF10 in aqueous solution. <i>Water Research</i> , 2012, 46, 3490-3496.	5.3	18
49	pH Dependence of Structure and Surface Properties of Microbial EPS. <i>Environmental Science & Technology</i> , 2012, 46, 737-744.	4.6	225
50	Kinetics of Laser-Heating-Induced Phase Transition of Poly(<i>N</i> -isopropylacrylamide) Chains in Dilute and Semidilute Solutions. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12001-12006.	1.2	20
51	Telechelic Hybrid Poly(acrylic acid)s Containing Polyhedral Oligomeric Silsesquioxane (POSS) and Their Self-Assembly in Water. <i>Macromolecules</i> , 2011, 44, 6891-6898.	2.2	73
52	A facile one-pot strategy for preparation of small polymer nanoparticles by self-crosslinking of amphiphilic block copolymers containing acyl azide groups in aqueous media. <i>Soft Matter</i> , 2011, 7, 3956.	1.2	18
53	Crystal structures and putative interface of <i>Saccharomyces cerevisiae</i> mitochondrial matrix proteins Mmf1 and Mam33. <i>Journal of Structural Biology</i> , 2011, 175, 469-474.	1.3	15
54	Diverse functions of cationic Mn(III) <i>N</i> -substituted pyridylporphyrins, recognized as SOD mimics. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1035-1053.	1.3	122

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55	Disulfide Core Cross-Linked PEGylated Polypeptide Nanogel Prepared by a One-Step Ring Opening Copolymerization of α -Carboxyanhydrides for Drug Delivery. <i>Macromolecular Bioscience</i> , 2011, 11, 962-969.	2.1	73
56	Bioavailability of metalloporphyrin-based SOD mimics is greatly influenced by a single charge residing on a Mn site. <i>Free Radical Research</i> , 2011, 45, 188-200.	1.5	30
57	Cytotoxic effects of Mn(III)-alkylpyridylporphyrins in the presence of cellular reductant, ascorbate. <i>Free Radical Research</i> , 2011, 45, 1289-1306.	1.5	50
58	Dispersion of polystyrene inside polystyrene- <i>b</i> -poly(isopropylacrylamide) micelles in water. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 749-755.	2.4	6
59	Effect of polystyrene- <i>b</i> -poly(ethylene oxide) on self-assembly of polystyrene- <i>b</i> -poly(isopropylacrylamide) in aqueous solution. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 1168-1174.	2.4	9
60	Scaling of the molecular weight-dependent thermal volume transition of poly(isopropylacrylamide). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 1388-1393.	2.4	11
61	Multistep Thermosensitivity of Poly(<i>N</i> -isopropylacrylamide)- <i>b</i> -poly(<i>N</i> -isopropylacrylamide)- <i>b</i> -poly(<i>N</i> , <i>N</i> -ethylmethacrylamide) Triblock Terpolymers in Aqueous Solutions As Studied by Static and Dynamic Light Scattering. <i>Macromolecules</i> , 2009, 42, 2715-2720.	2.2	44
62	Polymer blend latex films: Miscibility and polymer diffusion studied by energy transfer. <i>Polymer</i> , 2008, 49, 2055-2064.	1.8	29
63	Preparation of Well-Defined Core-Shell Particles by Cu ²⁺ -Mediated Graft Copolymerization of Methyl Methacrylate from Bovine Serum Albumin. <i>Langmuir</i> , 2008, 24, 10717-10722.	1.6	11
64	Can Coil-to-Globule Transition of a Single Chain Be Treated as a Phase Transition?. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8496-8498.	1.2	28
65	Observation of Kinetic and Structural Scalings during Slow Coalescence of Nanobubbles in an Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2007, 111, 13143-13146.	1.2	43
66	Ultrafast Infrared Heating Laser Pulse-Induced Micellization Kinetics of Poly(ethylene Terephthalate) (PET) Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2007, 111, 13147-13150.	1.6	16
67	Thermoresponsive Triblock Copolymer Aggregates Investigated by Laser Light Scattering. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5111-5115.	1.2	48
68	Effects of pH and Ionic Strength on the Stability of Nanobubbles in Aqueous Solutions of β -Cyclodextrin. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11745-11749.	1.2	103
69	How Many Stages in the Coil-to-Globule Transition of Linear Homopolymer Chains in a Dilute Solution?. <i>Macromolecules</i> , 2007, 40, 4750-4752.	2.2	68
70	Dynamics of thermoresponsive PNIPAM-g-PEO copolymer chains in semi-dilute solution. <i>Polymer</i> , 2006, 47, 8367-8373.	1.8	25
71	Photochemistry of quinoxaline derivatives and mechanism of the triplet state quenching by electron-poor alkenes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 174, 98-105.	2.0	16
72	Crosslinkable Vesicles Self-Assembled by Amphiphilic Hyperbranched Polyester. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1741-1745.	2.0	17

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73	Microcalorimetric Investigation on Aggregation and Dissolution of Poly(N-isopropylacrylamide) Chains in Water. <i>Macromolecules</i> , 2005, 38, 904-908.	2.2	157
74	Polymer Diffusion in PBMA Latex Films Using a Polymerizable Benzophenone Derivative as an Energy Transfer Acceptor. <i>Macromolecules</i> , 2003, 36, 8749-8760.	2.2	40
75	Effect of Pluronic Surfactants on the Polymer Diffusion Rate in Poly(butyl methacrylate) Latex Films. <i>Macromolecules</i> , 2003, 36, 8886-8889.	2.2	13
76	Film Formation and Polymer Diffusion in Poly(vinyl acetate-co-butyl acrylate) Latex Films. Temperature Dependence. <i>Macromolecules</i> , 2003, 36, 5804-5814.	2.2	42
77	Transient Absorption and Fluorescence Studies of Disstacking Phthalocyanine by Poly(ethylene oxide). <i>Macromolecules</i> , 2002, 35, 3681-3685.	2.2	28