

# Xiao-Dong Ye

## List of Publications by Year in descending order

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77  
papers

3,323  
citations

201674

27  
h-index

149698

56  
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79  
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79  
docs citations

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times ranked

5475  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	14.6	461
2	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.	13.7	321
3	pH Dependence of Structure and Surface Properties of Microbial EPS. <i>Environmental Science &amp; Technology</i> , 2012, 46, 737-744.	10.0	225
4	Surface charge critically affects tumor penetration and therapeutic efficacy of cancer nanomedicines. <i>Nano Today</i> , 2016, 11, 133-144.	11.9	208
5	Microcalorimetric Investigation on Aggregation and Dissolution of Poly(N-isopropylacrylamide) Chains in Water. <i>Macromolecules</i> , 2005, 38, 904-908.	4.8	157
6	Diverse functions of cationic Mn(III) N-substituted pyridylporphyrins, recognized as SOD mimics. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1035-1053.	2.9	122
7	Effects of pH and Ionic Strength on the Stability of Nanobubbles in Aqueous Solutions of $\beta$ -Cyclodextrin. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11745-11749.	2.6	103
8	Coagulation Kinetics of Humic Aggregates in Mono- and Di-Valent Electrolyte Solutions. <i>Environmental Science &amp; Technology</i> , 2013, 47, 5042-5049.	10.0	100
9	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.	13.8	90
10	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.	11.4	88
11	Telechelic Hybrid Poly(acrylic acid)s Containing Polyhedral Oligomeric Silsesquioxane (POSS) and Their Self-Assembly in Water. <i>Macromolecules</i> , 2011, 44, 6891-6898.	4.8	73
12	Disulfide Core Cross-Linked PEGylated Polypeptide Nanogel Prepared by a One-Step Ring Opening Copolymerization of N-Carboxyanhydrides for Drug Delivery. <i>Macromolecular Bioscience</i> , 2011, 11, 962-969.	4.1	73
13	The effect of surface poly(ethylene glycol) length on in vivo drug delivery behaviors of polymeric nanoparticles. <i>Biomaterials</i> , 2018, 182, 104-113.	11.4	70
14	How Many Stages in the Coil-to-Globule Transition of Linear Homopolymer Chains in a Dilute Solution?. <i>Macromolecules</i> , 2007, 40, 4750-4752.	4.8	68
15	Effect of Urea on Phase Transition of Poly(N-isopropylacrylamide) Investigated by Differential Scanning Calorimetry. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9460-9466.	2.6	57
16	Surfactant-mediated settleability and dewaterability of activated sludge. <i>Chemical Engineering Science</i> , 2014, 116, 228-234.	3.8	54
17	Cytotoxic effects of Mn(III) N-alkylpyridylporphyrins in the presence of cellular reductant, ascorbate. <i>Free Radical Research</i> , 2011, 45, 1289-1306.	3.3	50
18	Thermoresponsive Triblock Copolymer Aggregates Investigated by Laser Light Scattering. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5111-5115.	2.6	48

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19	Response of extracellular polymeric substances to thermal treatment in sludge dewatering process. <i>Environmental Pollution</i> , 2017, 231, 1388-1392.	7.5	45
20	Multistep Thermosensitivity of Poly( <i>N</i> - <i>n</i> -propylacrylamide)- <i>block</i> -poly( <i>N</i> -isopropylacrylamide)- <i>block</i> -poly( <i>N</i> -ethylmethacrylamide) Triblock Terpolymers in Aqueous Solutions As Studied by Static and Dynamic Light Scattering. <i>Macromolecules</i> , 2009, 42, 2715-2720.	4.8	44
21	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.	2.6	43
22	Film Formation and Polymer Diffusion in Poly(vinyl acetate-co-butyl acrylate) Latex Films. Temperature Dependence. <i>Macromolecules</i> , 2003, 36, 5804-5814.	4.8	42
23	Polymer Diffusion in PBMA Latex Films Using a Polymerizable Benzophenone Derivative as an Energy Transfer Acceptor. <i>Macromolecules</i> , 2003, 36, 8749-8760.	4.8	40
24	Conformations and molecular interactions of poly- $\beta$ -glutamic acid as a soluble microbial product in aqueous solutions. <i>Scientific Reports</i> , 2017, 7, 12787.	3.3	35
25	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.	3.3	30
26	Polymer blend latex films: Miscibility and polymer diffusion studied by energy transfer. <i>Polymer</i> , 2008, 49, 2055-2064.	3.8	29
27	Hydration interactions and stability of soluble microbial products in aqueous solutions. <i>Water Research</i> , 2013, 47, 5921-5929.	11.3	29
28	Investigation of pH-induced conformational change and hydration of poly(methacrylic acid) by analytical ultracentrifugation. <i>Soft Matter</i> , 2015, 11, 5381-5388.	2.7	29
29	Transient Absorption and Fluorescence Studies of Distacking Phthalocyanine by Poly(ethylene oxide). <i>Macromolecules</i> , 2002, 35, 3681-3685.	4.8	28
30	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.	2.6	28
31	Degradation Kinetics of Model Hyperbranched Chains with Uniform Subchains and Controlled Locations of Cleavable Disulfide Linkages. <i>Macromolecules</i> , 2014, 47, 650-658.	4.8	27
32	Dynamics of thermoresponsive PNIPAM-g-PEO copolymer chains in semi-dilute solution. <i>Polymer</i> , 2006, 47, 8367-8373.	3.8	25
33	Construction and Properties of Hyperbranched Block Copolymer with Independently Adjustable Heterosubchains. <i>Macromolecules</i> , 2014, 47, 8437-8445.	4.8	25
34	Comparative Study of Solution Properties of Amphiphilic 8-Shaped Cyclic-(Polystyrene- <i>b</i> -Poly(acrylic acid)) <sub>2</sub> and Its Linear Precursor. <i>Macromolecules</i> , 2014, 47, 2487-2495.	4.8	25
35	Synthesis and properties of amphiphilic and biodegradable poly( $\epsilon$ -caprolactone-co-glycidol) copolymers. <i>Journal of Polymer Science Part A</i> , 2015, 53, 846-853.	2.3	23
36	pH-Regulated Reversible Transition Between Polyion Complexes (PIC) and Hydrogen-Bonding Complexes (HBC) with Tunable Aggregation-Induced Emission. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 3693-3702.	8.0	22

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37	Degradable polyurethane with poly(2-ethyl-2-oxazoline) brushes for protein resistance. RSC Advances, 2016, 6, 69930-69938.	3.6	21
38	Kinetics of Laser-Heating-Induced Phase Transition of Poly(N-isopropylacrylamide) Chains in Dilute and Semidilute Solutions. Journal of Physical Chemistry B, 2011, 115, 12001-12006.	2.6	20
39	A Comparative Study of Urea-Induced Aggregation of Collapsed Poly(N-isopropylacrylamide) and Poly(N,N-diethylacrylamide) Chains in Aqueous Solutions. Journal of Physical Chemistry B, 2013, 117, 7481-7488.	2.6	19
40	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. Soft Matter, 2011, 7, 3956.	2.7	18
41	Spatial configuration of extracellular polymeric substances of Bacillus megaterium TF10 in aqueous solution. Water Research, 2012, 46, 3490-3496.	11.3	18
42	Crosslinkable Vesicles Self-Assembled by Amphiphilic Hyperbranched Polyester. Macromolecular Rapid Communications, 2005, 26, 1741-1745.	3.9	17
43	Photochemistry of quinoxaline derivatives and mechanism of the triplet state quenching by electron-poor alkenes. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 174, 98-105.	3.9	16
44	Ultrafast Infrared Heating Laser Pulse-Induced Micellization Kinetics of Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (oxid	3.5	16
45	Scaling laws between the hydrodynamic parameters and molecular weight of linear poly(2-ethyl-2-oxazoline). RSC Advances, 2013, 3, 15108.	3.6	16
46	Crystal structures and putative interface of Saccharomyces cerevisiae mitochondrial matrix proteins Mmf1 and Mam33. Journal of Structural Biology, 2011, 175, 469-474.	2.8	15
47	Double stimuli-responsive polymer systems: How to use crosstalk between pH- and thermosensitivity for drug depots. European Polymer Journal, 2016, 84, 54-64.	5.4	14
48	Crystal structure of caspase-11 CARD provides insights into caspase-11 activation. Cell Discovery, 2020, 6, 70.	6.7	14
49	Effect of Pluronic Surfactants on the Polymer Diffusion Rate in Poly(butyl methacrylate) Latex Films. Macromolecules, 2003, 36, 8886-8889.	4.8	13
50	pH-Induced Conformational Change and Dimerization of DNA Chains Investigated by Analytical Ultracentrifugation. Journal of Physical Chemistry B, 2013, 117, 11541-11547.	2.6	12
51	Preparation of Well-Defined Core-Shell Particles by Cu <sup>2+</sup> -Mediated Graft Copolymerization of Methyl Methacrylate from Bovine Serum Albumin. Langmuir, 2008, 24, 10717-10722.	3.5	11
52	Scaling of the molecular weight-dependent thermal volume transition of poly(N-isopropylacrylamide). Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1388-1393.	2.1	11
53	Poly(l-lactide-co-2-(2-methoxyethoxy)ethyl methacrylate): A biodegradable polymer with protein resistance. Colloids and Surfaces B: Biointerfaces, 2014, 116, 531-536.	5.0	11
54	Preparation and Controlled Degradation of Model Amphiphilic Long-Subchain Hyperbranched Copolymers: Hyperblock versus Hypergraft. Macromolecules, 2019, 52, 1173-1187.	4.8	11

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55	Quantitative evaluation of noncovalent interactions between polyphosphate and dissolved humic acids in aqueous conditions. <i>Environmental Pollution</i> , 2015, 207, 123-129.	7.5	10
56	The effects of monovalent metal ions on the conformation of human telomere DNA using analytical ultracentrifugation. <i>Soft Matter</i> , 2016, 12, 5959-5967.	2.7	10
57	Effect of polystyrene- <i>b</i> -poly(ethylene oxide) on self-assembly of polystyrene- <i>b</i> -poly( <i>N</i> -isopropylacrylamide) in aqueous solution. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 1168-1174.	2.1	9
58	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.	2.1	9
59	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.	4.8	9
60	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.	2.6	7
61	Sedimentation velocity analysis of TMPyP4-induced dimer formation of human telomeric G-quadruplex. <i>RSC Advances</i> , 2017, 7, 55098-55105.	3.6	7
62	Synthesis and characterization of degradable hyperbranched poly(2-ethyl-2-oxazoline). <i>Journal of Polymer Science Part A</i> , 2019, 57, 2030-2037.	2.3	7
63	Study on the structure and formation mechanism of 15S globulin of soybeans. <i>Food Hydrocolloids</i> , 2021, 113, 106461.	10.7	7
64	Dispersion of polystyrene inside polystyrene- <i>b</i> -poly( <i>N</i> -isopropylacrylamide) micelles in water. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 749-755.	2.1	6
65	Reduction-responsive diblock copolymer-modified gold nanorods for enhanced cellular uptake. <i>RSC Advances</i> , 2018, 8, 27546-27555.	3.6	6
66	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.	1.3	5
67	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.	1.3	4
68	Long-subchain Janus-dendritic copolymers from locally confined click reaction and generation-dependent micro-phase separation. <i>Polymer Chemistry</i> , 2017, 8, 3889-3900.	3.9	4
69	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.	1.3	3
70	Insight into the effect of methylated urea on the phase transition of aqueous solutions of poly( <i>N</i> -isopropylacrylamide). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1145-1151.	2.1	3
71	Assembly status transition offers an avenue for activity modulation of a supramolecular enzyme. <i>ELife</i> , 2021, 10, .	6.0	3
72	New insights into folding kinetics of dye-functionalized poly( <i>N</i> -isopropylacrylamide). <i>Chinese Journal of Chemical Physics</i> , 2018, 31, 789-798.	1.3	2

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73	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.	3.3	1
74	Effect of a single repeat sequence of the human telomere d(TTAGGG) on structure of single-stranded telomeric DNA d[AGGG(TTAGGG) <sub>6</sub> ]. <i>Chinese Journal of Chemical Physics</i> , 2018, 31, 635-640.	1.3	1
75	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.	3.3	0
76	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.	2.1	0
77	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.	3.8	0