

Yijie Lu

List of Publications by Year in descending order

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46
papers

1,623
citations

304743

22
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289244

40
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47
all docs

47
docs citations

47
times ranked

2542
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Seeding in One Dimension: An Approach To Control the Length of Fiberlike Polyisoprene- <i>b</i> -Polyferrocenylsilane Block Copolymer Micelles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1622-1625.	13.8	141
2	Self-Seeding in One Dimension: A Route to Uniform Fiber-like Nanostructures from Block Copolymers with a Crystallizable Core-Forming Block. <i>ACS Nano</i> , 2013, 7, 3754-3766.	14.6	98
3	The Coil-to-Globule-to-Coil Transition of Linear Polymer Chains in Dilute Aqueous Solutions: Effect of Intrachain Hydrogen Bonding. <i>Macromolecules</i> , 2008, 41, 8927-8931.	4.8	92
4	Intratumorally Injected ¹⁷⁷ Lu-Labeled Gold Nanoparticles: Gold Nanoseed Brachytherapy with Application for Neoadjuvant Treatment of Locally Advanced Breast Cancer. <i>Journal of Nuclear Medicine</i> , 2016, 57, 936-942.	5.0	92
5	Electrically tunable block copolymer photonic crystals with a full color display. <i>Journal of Materials Chemistry</i> , 2009, 19, 5952.	6.7	85
6	Origin of hysteresis observed in association and dissociation of polymer chains in water. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 3188.	2.8	81
7	An Apparent Size-Exclusion Quantification Limit Reveals a Molecular Weight Limit in the Synthesis of Externally Initiated Polythiophenes. <i>ACS Macro Letters</i> , 2012, 1, 1266-1269.	4.8	70
8	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
9	Radiation Nanomedicine for EGFR-Positive Breast Cancer: Panitumumab-Modified Gold Nanoparticles Complexed to the ¹²⁵ I-Particle-Emitter, ¹⁷⁷ Lu. <i>Molecular Pharmaceutics</i> , 2015, 12, 3963-3972.	4.6	67
10	Self-Seeding of Block Copolymers with a β -Conjugated Oligo(<i>p</i> -phenylenevinylene) Segment: A Versatile Route toward Monodisperse Fiber-like Nanostructures. <i>Macromolecules</i> , 2018, 51, 2065-2075.	4.8	67
11	Local Radiation Treatment of HER2-Positive Breast Cancer Using Trastuzumab-Modified Gold Nanoparticles Labeled with ¹⁷⁷ Lu. <i>Pharmaceutical Research</i> , 2017, 34, 579-590.	3.5	61
12	Synthesis, Folding, and Association of Long Multiblock (PEO23- <i>b</i> -PNIPAM124) ₇₅₀ Chains in Aqueous Solutions. <i>Macromolecules</i> , 2008, 41, 2228-2234.	4.8	41
13	Panitumumab Modified with Metal-Chelating Polymers (MCP) Complexed to ¹¹¹ In and ¹⁷⁷ Lu—An EGFR-Targeted Theranostic for Pancreatic Cancer. <i>Molecular Pharmaceutics</i> , 2018, 15, 1150-1159.	4.6	39
14	Synthesis of PMMA Microparticles with a Narrow Size Distribution by Photoinitiated RAFT Dispersion Polymerization with a Macromonomer as the Stabilizer. <i>Macromolecules</i> , 2014, 47, 6856-6866.	4.8	38
15	Synthesis of Polyglutamide-Based Metal-Chelating Polymers and Their Site-Specific Conjugation to Trastuzumab for Auger Electron Radioimmunotherapy. <i>Biomacromolecules</i> , 2014, 15, 2027-2037.	5.4	34
16	Fast electrically driven photonic crystal based on charged block copolymer. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6107.	5.5	32
17	Stability and Biodistribution of Thiol-Functionalized and ¹⁷⁷ Lu-Labeled Metal Chelating Polymers Bound to Gold Nanoparticles. <i>Biomacromolecules</i> , 2016, 17, 1292-1302.	5.4	32
18	Polyferrocenylsilane Crystals in Nanoconfinement: Fragmentation, Dissolution, and Regrowth of Cylindrical Block Copolymer Micelles with a Crystalline Core. <i>Macromolecules</i> , 2012, 45, 8363-8372.	4.8	30

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19	Metal-Chelating Polymers (MCPs) with Zwitterionic Pendant Groups Complexed to Trastuzumab Exhibit Decreased Liver Accumulation Compared to Polyanionic MCP Immunoconjugates. <i>Biomacromolecules</i> , 2015, 16, 3613-3623.	5.4	28
20	PFS- <i>b</i> -PNIPAM: A First Step toward Polymeric Nanofibrillar Hydrogels Based on Uniform Fiber-Like Micelles. <i>Macromolecules</i> , 2016, 49, 4265-4276.	4.8	28
21	Trastuzumab Labeled to High Specific Activity with ¹¹¹ In by Site-Specific Conjugation to a Metal-Chelating Polymer Exhibits Amplified Auger Electron-Mediated Cytotoxicity on HER2-Positive Breast Cancer Cells. <i>Molecular Pharmaceutics</i> , 2015, 12, 1951-1960.	4.6	26
22	Effect of Pendant Group Structure on the Hydrolytic Stability of Polyaspartamide Polymers under Physiological Conditions. <i>Biomacromolecules</i> , 2012, 13, 1296-1306.	5.4	25
23	Organometallic Polypeptide Diblock Copolymers: Synthesis by Diels-Alder Coupling and Crystallization-Driven Self-Assembly to Uniform Truncated Elliptical Lamellae. <i>Macromolecules</i> , 2014, 47, 2604-2615.	4.8	23
24	A High-Sensitivity Lanthanide Nanoparticle Reporter for Mass Cytometry: Tests on Microgels as a Proxy for Cells. <i>Langmuir</i> , 2014, 30, 3142-3153.	3.5	22
25	Kinetics of Laser-Heating-Induced Phase Transition of Poly(N-isopropylacrylamide) Chains in Dilute and Semidilute Solutions. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12001-12006.	2.6	20
26	Photocleavage of the Corona Chains of Rigid-Rod Block Copolymer Micelles. <i>Macromolecules</i> , 2015, 48, 2254-2262.	4.8	20
27	A Comparative Study of Urea-Induced Aggregation of Collapsed Poly(N-isopropylacrylamide) and Poly(N,N-diethylacrylamide) Chains in Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7481-7488.	2.6	19
28	Intracellular Routing in Breast Cancer Cells of Streptavidin-Conjugated Trastuzumab Fab Fragments Linked to Biotinylated Doxorubicin-Functionalized Metal Chelating Polymers. <i>Biomacromolecules</i> , 2014, 15, 715-725.	5.4	19
29	PEGMA-Based Microgels: A Thermoresponsive Support for Enzyme Reactions. <i>Macromolecules</i> , 2016, 49, 8711-8721.	4.8	17
30	An Enzyme-Like Activity Nanoprobe Based on Fe(III)-Rutin Hydrate Biomineral for MR Imaging and Therapy of Triple Negative Breast Cancer. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	17
31	Amphoteric polymeric photonic crystal with U-shaped pH response developed by intercalation polymerization. <i>Soft Matter</i> , 2011, 7, 4156.	2.7	16
32	The Effect of Metal-Chelating Polymers (MCPs) for ¹¹¹ In Complexed via the Streptavidin-Biotin System to Trastuzumab Fab Fragments on Tumor and Normal Tissue Distribution in Mice. <i>Pharmaceutical Research</i> , 2013, 30, 104-116.	3.5	16
33	Radioimmunotherapy of PANC-1 Human Pancreatic Cancer Xenografts in NRG Mice with Panitumumab Modified with Metal-Chelating Polymers Complexed to ¹⁷⁷ Lu. <i>Molecular Pharmaceutics</i> , 2019, 16, 768-778.	4.6	16
34	Biotinylated Polyacrylamide-Based Metal-Chelating Polymers and Their Influence on Antigen Recognition Following Conjugation to a Trastuzumab Fab Fragment. <i>Biomacromolecules</i> , 2012, 13, 2831-2842.	5.4	15
35	Characterization of an Aqueous Dispersion of a Hydrophilic Polyisocyanate for Waterborne Two-Pack Polyurethane Coatings. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1491-1499.	4.4	15
36	Creating Biomorphic Barbed and Branched Mesostructures in Solution through Block Copolymer Crystallization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17205-17210.	13.8	14

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37	Dual-Receptor-Targeted (DRT) Radiation Nanomedicine Labeled with ¹⁷⁷ Lu Is More Potent for Killing Human Breast Cancer Cells That Coexpress HER2 and EGFR Than Single-Receptor-Targeted (SRT) Radiation Nanomedicines. <i>Molecular Pharmaceutics</i> , 2020, 17, 1226-1236.	4.6	14
38	Monitoring Collapse of Uniform Cylindrical Brushes with a Thermoresponsive Corona in Water. <i>ACS Macro Letters</i> , 2018, 7, 166-171.	4.8	12
39	Monte Carlo simulation of radiation transport and dose deposition from locally released gold nanoparticles labeled with ¹¹¹ In, ¹⁷⁷ Lu or ⁹⁰ Y incorporated into tissue implantable depots. <i>Physics in Medicine and Biology</i> , 2017, 62, 8581-8599.	3.0	11
40	Temperature-Invariant Aqueous Microgels as Hosts for Biomacromolecules. <i>Biomacromolecules</i> , 2015, 16, 3134-3144.	5.4	9
41	Molecular Aspects of Film Formation of Partially Cross-Linked Water-Borne Secondary Dispersions that Show Skin Formation upon Drying. <i>Macromolecules</i> , 2019, 52, 9536-9544.	4.8	8
42	Hybrid Microgels with Confined Needle-like Lanthanide Phosphate Nanocrystals. <i>Chemistry of Materials</i> , 2016, 28, 501-510.	6.7	7
43	EGFR-Targeted Metal Chelating Polymers (MCPs) Harboring Multiple Pendant PEG2K Chains for MicroPET/CT Imaging of Patient-Derived Pancreatic Cancer Xenografts. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 279-290.	5.2	7
44	Monitoring Polymer Diffusion in a Waterborne 2K Polyurethane Formulation Based on an Acrylic Polyol Latex. <i>Macromolecules</i> , 2020, 53, 10744-10753.	4.8	7
45	Creating Biomorphic Barbed and Branched Mesostructures in Solution through Block Copolymer Crystallization. <i>Angewandte Chemie</i> , 2018, 130, 17451-17456.	2.0	2
46	Monitoring the reaction kinetics of waterborne 2K polyurethane coatings in the dispersion and during film formation. <i>Canadian Journal of Chemical Engineering</i> , 2022, 100, 703-713.	1.7	2