

Hewen Liu

List of Publications by Year in descending order

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51
papers

1,418
citations

471509

17
h-index

330143

37
g-index

51
all docs

51
docs citations

51
times ranked

2291
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Oxidation by Hydrogen Peroxide on the Structures of Multiwalled Carbon Nanotubes. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 6483-6488.	3.7	196
2	High-Efficiency Preparation of Macrocylic Diblock Copolymers via Selective Click Reaction in Micellar Media. <i>Journal of the American Chemical Society</i> , 2009, 131, 1628-1629.	13.7	152
3	Synthesis of Organic/Inorganic Hybrid Quatrefoil-Shaped Star-Cyclic Polymer Containing a Polyhedral Oligomeric Silsesquioxane Core. <i>Macromolecules</i> , 2009, 42, 2903-2910.	4.8	116
4	In-Situ Formation of Silver Nanoparticles with Tunable Spatial Distribution at the Poly(N-isopropylacrylamide) Corona of Unimolecular Micelles. <i>Macromolecules</i> , 2006, 39, 8451-8455.	4.8	98
5	Light-Driven and Light-Guided Microswimmers. <i>Advanced Functional Materials</i> , 2016, 26, 3164-3171.	14.9	80
6	Dramatic Fluorescence Enhancement of Bare Carbon Dots through Facile Reduction Chemistry. <i>ChemPhysChem</i> , 2012, 13, 3549-3555.	2.1	73
7	UV light induced plasticization and light activated shape memory of spiropyran doped ethylene-vinyl acetate copolymers. <i>Soft Matter</i> , 2014, 10, 3748.	2.7	63
8	Synthesis of amphiphilic and thermoresponsive ABC miktoarm star terpolymer via a combination of consecutive click reactions and atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4001-4013.	2.3	62
9	Multifunctional Conjugates To Prepare Nucleolar-Targeting CdS Quantum Dots. <i>Journal of the American Chemical Society</i> , 2010, 132, 8627-8634.	13.7	48
10	CNT templated regioselective enzymatic polymerization of phenol in water and modification of surface of MWNT thereby. <i>Journal of Polymer Science Part A</i> , 2009, 47, 1627-1635.	2.3	43
11	Macrocycle-Terminated Core-Cross-Linked Star Polymers: Synthesis and Characterization. <i>Macromolecules</i> , 2009, 42, 6457-6462.	4.8	40
12	Polymer-Functionalized Multiwalled Carbon Nanotubes as Lithium Intercalation Hosts. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10236-10240.	2.6	36
13	Cyclopolymerization of Disiloxane-Tethered Divinyl Monomers To Synthesize Chirality-Responsive Helical Polymers. <i>Macromolecules</i> , 2016, 49, 445-454.	4.8	27
14	CD-MOFs Crystal Transformation from Dense to Highly Porous Form for Efficient Drug Loading. <i>Crystal Growth and Design</i> , 2019, 19, 3888-3894.	3.0	24
15	Radical alternating copolymerization: A strategy for hyperbranched materials. <i>Journal of Polymer Science Part A</i> , 2000, 38, 3074-3085.	2.3	21
16	Cationic polymerization of tetrahydrofuran from multiple-walled carbon nanotubes: Preparation and glass transition kinetics. <i>Materials Letters</i> , 2007, 61, 2350-2353.	2.6	21
17	Extension of the chain-end, free-volume theory for predicting glass temperature as a function of conversion in hyperbranched polymers obtained through one-pot approaches. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 1235-1242.	2.1	20
18	Irradiation effects on a glycidylamine epoxy resin system for insulation in fusion reactor. <i>Journal of Nuclear Materials</i> , 2012, 429, 113-117.	2.7	17

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19	Star polystyrene- <i>b</i> - <i>i</i> -hyperbranched polyglycidol: Synthesis and ionic conductivity. <i>Journal of Polymer Science Part A</i> , 2009, 47, 949-958.	2.3	16
20	Modification of graphene oxide via photo-initiated grafting polymerization. <i>Journal of Materials Science</i> , 2013, 48, 5750-5755.	3.7	16
21	Polyaniline- <i>g</i> -polypropylene melt-spun fiber filaments: The collaborative effects of blending conditions and fiber draw ratios on the electrical properties of fiber filaments. <i>Journal of Applied Polymer Science</i> , 2011, 119, 558-564.	2.6	15
22	The facile synthesis of PMMA polyHIPEs with highly interconnected porous microstructures. <i>Journal of Materials Science</i> , 2016, 51, 9005-9018.	3.7	15
23	Crown ethers with spiropyran units incorporated in the ring frameworks for pH-triggered ion recognition at the air-water interface. <i>New Journal of Chemistry</i> , 2014, 38, 552-560.	2.8	14
24	A Dicyclic Scaffold for Programmed Monocyclic and Polycyclic Polymer Architectures. <i>Macromolecules</i> , 2017, 50, 8907-8915.	4.8	14
25	Hyperbranched Polymer-Assisted Hydrothermal In situ Synthesis of Submicrometer Silver Tubes. <i>Crystal Growth and Design</i> , 2008, 8, 2982-2985.	3.0	13
26	Yeast Cells Encapsulating Polymer Nanoparticles as Trojan Particles via <i>in Situ</i> Polymerization inside Cells. <i>Macromolecules</i> , 2016, 49, 1545-1551.	4.8	13
27	Yeast cells carrying metal nanoparticles. <i>Materials Chemistry and Physics</i> , 2018, 207, 373-379.	4.0	13
28	Hyperbranched Poly[allyl ether- <i>alt</i> -maleic anhydride] Produced by the Self-Condensing Alternating Copolymerization Approach. <i>Macromolecules</i> , 2001, 34, 5067-5070.	4.8	12
29	Hyperbranched- <i>g</i> -dendritic macromolecules as unimolecular hosts for controlled release. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4013-4019.	2.3	12
30	1,2,3-Triazole-incorporated Diacrylate Monomer for Free Radical Cyclopolymerization Through Large Ring Formation. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 1050-1055.	2.2	12
31	A two-year water-stable 2D MOF with aqueous NIR photothermal conversion ability. <i>Dalton Transactions</i> , 2021, 50, 1374-1383.	3.3	12
32	Photofluorescence of hyperbranched poly(phenylene sulfide). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 826-831.	2.1	11
33	Stimuli-responsive fluorescent hyperbranched poly(amido amine)s for biosensing applications. <i>European Polymer Journal</i> , 2020, 124, 109486.	5.4	11
34	Phototropic Aggregation and Light-Guided Long-Distance Collective Transport of Colloidal Particles. <i>Langmuir</i> , 2020, 36, 6819-6827.	3.5	10
35	Form-fill-seal methodology for controlled encapsulation of small silver particles in hyperbranched polyglycidol. <i>Journal of Applied Polymer Science</i> , 2009, 112, 1209-1214.	2.6	8
36	High-Pressure Raman Study of [2.2]Paracyclophane. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16028-16034.	3.1	7

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37	One-Pot Radical Polymerization of One Inimer to Form One-Dimensional Polymeric Nanomaterials. <i>Advanced Materials</i> , 2012, 24, 6234-6239.	21.0	6
38	One-pot self-coupling concurrent living polymerizations of inimers to synthesize hyperbranched-linking-hyperbranched polymer cylinders via cyclic trithiocarbonate. <i>Polymer Chemistry</i> , 2014, 5, 1905-1911.	3.9	6
39	Synergistic dielectric and semiconducting properties in fluorescein monopotassium salt random copolymers. <i>Polymer</i> , 2017, 114, 189-198.	3.8	6
40	Light actuated swarming and breathing-like motion of graphene oxide colloidal particles. <i>Communications Chemistry</i> , 2018, 1, .	4.5	5
41	Anion Exchange in Cesium Lead Halide Perovskite Nanocrystals <i>via</i> Radiation Chemistry of Halohydrocarbons. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7818-7827.	3.1	5
42	Effect of core structure on the fluorescence properties of hyperbranched poly(phenylene sulfide). <i>Journal of Applied Polymer Science</i> , 2008, 107, 1857-1864.	2.6	4
43	Nitrone Mediated Coupling of Hyperbranched Polymer Radicals. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700069.	2.2	4
44	Freestanding Polymer Crystalline Layers of Subnanometer Order. <i>Macromolecules</i> , 2019, 52, 6018-6024.	4.8	4
45	Precision AABB-type cyclocopolymers <i>via</i> alternating cyclocopolymerization of disiloxane-tethered divinyl monomers. <i>Polymer Chemistry</i> , 2020, 11, 1171-1176.	3.9	4
46	A novel feed-stock recyclable hyperbranched polymaleimide: Synthesis and characterization. <i>Journal of Applied Polymer Science</i> , 2006, 101, 1848-1852.	2.6	3
47	Symmetric Amphiphilic Molecules with Hydroxyl-Cinnamic Acid Dimer Cores: Photoalterable Aggregation and Thermal Sensitivity. <i>Journal of Surfactants and Detergents</i> , 2017, 20, 1105-1113.	2.1	3
48	Metal catalyzed free radical copolymerization of allyl chloroacetate and N-propyl maleimide: a mass spectrometry study. <i>Polymer Bulletin</i> , 2002, 49, 55-61.	3.3	2
49	Preparation and glass transition temperature of hyperbranched poly[allyl methyl maleate-co-N-propyl maleimide]. <i>Journal of Applied Polymer Science</i> , 2005, 97, 1941-1947.	2.6	2
50	Two-dimensional crystallization of cyclocopolymers. <i>Polymer</i> , 2022, 254, 125051.	3.8	2
51	Polyethylene glycol-modified cystamine for fluorescent sensing. <i>Journal of Materials Science</i> , 2019, 54, 313-322.	3.7	1