

Guojun Xie

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,277
citations

331670

21
h-index

552781

26
g-index

30
all docs

30
docs citations

30
times ranked

1428
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Bottlebrushes as Novel Materials. <i>Biomacromolecules</i> , 2019, 20, 27-54.	5.4	230
2	Temporal Control in Mechanically Controlled Atom Transfer Radical Polymerization Using Low ppm of Cu Catalyst. <i>ACS Macro Letters</i> , 2017, 6, 546-549.	4.8	135
3	Polymerization-Induced Self-Assembly (PISA) Using ICAR ATRP at Low Catalyst Concentration. <i>Macromolecules</i> , 2016, 49, 8605-8615.	4.8	134
4	Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1308-1314.	13.8	81
5	Heterografted Molecular Brushes as Stabilizers for Water-in-Oil Emulsions. <i>Macromolecules</i> , 2017, 50, 2942-2950.	4.8	71
6	Matrix-free Particle Brush System with Bimodal Molecular Weight Distribution Prepared by SI-ATRP. <i>Macromolecules</i> , 2015, 48, 8208-8218.	4.8	63
7	Universality of the Entanglement Plateau Modulus of Comb and Bottlebrush Polymer Melts. <i>Macromolecules</i> , 2018, 51, 10028-10039.	4.8	61
8	Wear Protection without Surface Modification Using a Synergistic Mixture of Molecular Brushes and Linear Polymers. <i>ACS Nano</i> , 2017, 11, 1762-1769.	14.6	58
9	Intermolecular Interactions between Bottlebrush Polymers Boost the Protection of Surfaces against Frictional Wear. <i>Chemistry of Materials</i> , 2018, 30, 4140-4149.	6.7	41
10	Bottlebrush-Guided Polymer Crystallization Resulting in Supersoft and Reversibly Moldable Physical Networks. <i>Macromolecules</i> , 2017, 50, 2103-2111.	4.8	38
11	Synergy between Zwitterionic Polymers and Hyaluronic Acid Enhances Antifouling Performance. <i>Langmuir</i> , 2019, 35, 15535-15542.	3.5	34
12	Pd-Catalyzed ring-opening cross-coupling of cyclopropenes with aryl iodides. <i>Chemical Communications</i> , 2014, 50, 8050-8052.	4.1	32
13	Preparation of titania nanoparticles with tunable anisotropy and branched structures from core-shell molecular bottlebrushes. <i>Polymer</i> , 2016, 98, 481-486.	3.8	32
14	Understanding the Relationship between Catalytic Activity and Termination in photoATRP: Synthesis of Linear and Bottlebrush Polyacrylates. <i>Macromolecules</i> , 2020, 53, 59-67.	4.8	31
15	Preparation of ZnO hybrid nanoparticles by ATRP. <i>Polymer</i> , 2016, 107, 492-502.	3.8	30
16	Mesoporous nitrogen-doped carbons from PAN-based molecular bottlebrushes. <i>Polymer</i> , 2017, 126, 352-359.	3.8	28
17	Controlled Preparation of Well-Defined Mesoporous Carbon/Polymer Hybrids via Surface-Initiated ICAR ATRP with a High Dilution Strategy Assisted by Facile Polydopamine Chemistry. <i>Macromolecules</i> , 2016, 49, 8943-8950.	4.8	25
18	Unraveling the Correlations between Conformation, Lubrication, and Chemical Stability of Bottlebrush Polymers at Interfaces. <i>Biomacromolecules</i> , 2017, 18, 4002-4010.	5.4	25

#	ARTICLE	IF	CITATIONS
19	Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie</i> , 2019, 131, 1322-1328.	2.0	25
20	Zn(II)- or Rh(I)-Catalyzed Rearrangement of Silylated [1,1-bis(cyclopropan)]-2-en-1-ols. <i>Journal of Organic Chemistry</i> , 2014, 79, 6286-6293.	3.2	24
21	Benefits of Catalyzed Radical Termination: High-Yield Synthesis of Polyacrylate Molecular Bottlebrushes without Gelation. <i>Macromolecules</i> , 2018, 51, 6218-6225.	4.8	24
22	Degradable cellulose-based polymer brushes with controlled grafting densities. <i>Journal of Polymer Science Part A</i> , 2019, 57, 2426-2435.	2.3	16
23	Fabrication of Porous Functional Nanonetwork-Structured Polymers with Enhanced Adsorption Performance from Well-Defined Molecular Brush Building Blocks. <i>Chemistry of Materials</i> , 2018, 30, 8624-8629.	6.7	13
24	Fabrication of Porous Nanonetwork-Structured Carbons from Well-Defined Cylindrical Molecular Bottlebrushes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18763-18769.	8.0	11
25	Lubrication and Wear Protection of Micro-Structured Hydrogels Using Bioinspired Fluids. <i>Biomacromolecules</i> , 2019, 20, 326-335.	5.4	10
26	Frontispiz: Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie</i> , 2019, 131, .	2.0	3
27	Frontispiece: Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie - International Edition</i> , 2019, 58, .	13.8	0