Zehuan Huang

List of Publications by Year
in descending order

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41 papers	2,214 citations	159585 30 h-index	276875 41 g-index
45 all docs	45 docs citations	45 times ranked	2319 citing authors

#	Article	IF	Citations
1	Supramolecular Polymerization Promoted and Controlled through Selfâ€Sorting. Angewandte Chemie - International Edition, 2014, 53, 5351-5355.	13.8	200
2	Antimicrobial cationic polymers: from structural design to functional control. Polymer Journal, 2018, 50, 33-44.	2.7	187
3	Supramolecular Chemotherapy: Cooperative Enhancement of Antitumor Activity by Combining Controlled Release of Oxaliplatin and Consuming of Spermine by Cucurbit[7]uril. ACS Applied Materials & Interfaces, 2017, 9, 8602-8608.	8.0	148
4	Highly compressible glass-like supramolecular polymer networks. Nature Materials, 2022, 21, 103-109.	27.5	117
5	Cucurbit[8]uril-based supramolecular polymers: promoting supramolecular polymerization by metal-coordination. Chemical Communications, 2013, 49, 5766.	4.1	116
6	Supramolecular Interfacial Polymerization: A Controllable Method of Fabricating Supramolecular Polymeric Materials. Angewandte Chemie - International Edition, 2017, 56, 7639-7643.	13.8	108
7	Supramolecular Chemistry of Cucurbiturils: Tuning Cooperativity with Multiple Noncovalent Interactions from Positive to Negative. Langmuir, 2016, 32, 12352-12360.	3.5	80
8	Supramolecularly Catalyzed Polymerization: From Consecutive Dimerization to Polymerization. Angewandte Chemie - International Edition, 2018, 57, 8545-8549.	13.8	80
9	Cytotoxicity Regulated by Hostâ€“Guest Interactions: A Supramolecular Strategy to Realize Controlled Disguise and Exposure. ACS Applied Materials & Interfaces, 2016, 8, 22780-22784.	8.0	79
10	Supramolecular Chemotherapy: Carboxylated Pillar[6]arene for Decreasing Cytotoxicity of Oxaliplatin to Normal Cells and Improving Its Anticancer Bioactivity Against Colorectal Cancer. ACS Applied Materials & Interfaces, 2018, 10, 5365-5372.	8.0	78
11	Supramolecular catalyst functions in catalytic amount: cucurbit[8]uril accelerates the photodimerization of Brookerâ€™s merocyanine. Chemical Science, 2017, 8, 8357-8361.	7.4	76
12	Porphyrin-containing hyperbranched supramolecular polymers: enhancing ¹O₂-generation efficiency by supramolecular polymerization. Polymer Chemistry, 2014, 5, 53-56.	3.9	70
13	Supramolecular Polymerization Controlled through Kinetic Trapping. Angewandte Chemie - International Edition, 2017, 56, 16575-16578.	13.8	64
14	Polypseudorotaxane Constructed from Cationic Polymer with Cucurbit[7]uril for Controlled Antibacterial Activity. ACS Macro Letters, 2016, 5, 1109-1113.	4.8	53
15	Water-soluble supramolecular polymers fabricated through specific interactions between cucurbit[8]uril and a tripeptide of Phe-Gly-Gly. Polymer Chemistry, 2013, 4, 5378.	3.9	52
16	Degradable Organically-Derivatized Polyoxometalate with Enhanced Activity against Glioblastoma Cell Line. Scientific Reports, 2016, 6, 33529.	3.3	51
17	Quantitative Supramolecular Heterodimerization for Efficient Energy Transfer. Angewandte Chemie - International Edition, 2020, 59, 15963-15967.	13.8	47
18	Supramolecular Polymerization from Controllable Fabrication to Living Polymerization. Macromolecular Rapid Communications, 2017, 38, 1700312.	3.9	41

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19	Host-Enhanced Phenyl-Perfluorophenyl Polarâ˜Ï€ Interactions. Journal of the American Chemical Society, 2020, 142, 7356-7361.	13.7	38
20	Amphiphilic diselenide-containing supramolecular polymers. Polymer Chemistry, 2015, 6, 681-685.	3.9	37
21	Controllable Supramolecular Polymerization Promoted by Host-Enhanced Photodimerization. ACS Macro Letters, 2016, 5, 1397-1401.	4.8	37
22	Controllable supramolecular polymerization through self-sorting of aliphatic and aromatic motifs. Polymer Chemistry, 2016, 7, 1397-1404.	3.9	37
23	Supramolecular Interfacial Polymerization: A Controllable Method of Fabricating Supramolecular Polymeric Materials. Angewandte Chemie, 2017, 129, 7747-7751.	2.0	36
24	An ultralow-acceptor-content supramolecular light-harvesting system for white-light emission. Chemical Communications, 2022, 58, 2343-2346.	4.1	36
25	pH-Induced Charge-Reversal Amphiphile with Cancer Cell-Selective Membrane-Disrupting Activity. ACS Applied Materials & Interfaces, 2018, 10, 21191-21197.	8.0	34
26	Supramolecular Emulsion Interfacial Polymerization. ACS Macro Letters, 2019, 8, 177-182.	4.8	34
27	Controlling the Reactivity of the Seï£¿Se Bond by the Supramolecular Chemistry of Cucurbituril. ChemPhysChem, 2015, 16, 523-527.	2.1	33
28	Supramolecular Interfacial Polymerization of Miscible Monomers: Fabricating Supramolecular Polymers with Tailor-Made Structures. Macromolecules, 2018, 51, 1620-1625.	4.8	33
29	Supramolecular Polymerization Controlled by Reversible Conformational Modulation. ACS Macro Letters, 2015, 4, 1410-1414.	4.8	32
30	Imidazolium-modification enhances photocatalytic CO₂ reduction on ZnSe quantum dots. Chemical Science, 2021, 12, 9078-9087.	7.4	31
31	Supramolecular Germicide Switches through Hostâ€Guest Interactions for Decelerating Emergence of Drugâ€Resistant Pathogens. ChemistrySelect, 2017, 2, 7940-7945.	1.5	16
32	Supramolecular Polymerization Controlled through Kinetic Trapping. Angewandte Chemie, 2017, 129, 16802-16805.	2.0	16
33	Hierarchical Selfâ€Assembly of Adhesive and Conductive Gels with Anionâ€Coordinated Triple Helicate Junctions. Angewandte Chemie - International Edition, 2022, 61, .	13.8	15
34	Supramolecularly Catalyzed Polymerization: From Consecutive Dimerization to Polymerization. Angewandte Chemie, 2018, 130, 8681-8685.	2.0	14
35	Buildup of Redoxâ€Responsive Hybrid from Polyoxometalate and Redoxâ€Active Conducting Oligomer: Its Selfâ€Assemblies with Controllable Morphologies. Chemistry - A European Journal, 2017, 23, 14860-14865.	3.3	11
36	Unprecedented Halideâ€Ion Binding and Catalytic Activity of Nanoscale Anionic Metal Oxide Clusters. ChemPlusChem, 2019, 84, 1668-1672.	2.8	10

#	Article	IF	Citations
37	Supramolecular hydrogels prepared from fluorescent alkyl pyridinium acrylamide monomers and CB[8]. Polymer Chemistry, 2021, 12, 519-525.	3.9	7
38	Hierarchical Selfâ€Assembly of Adhesive and Conductive Gels with Anionâ€Coordinated Triple Helicate Junctions. Angewandte Chemie, 0, , .	2.0	5
39	Quantitative Supramolecular Heterodimerization for Efficient Energy Transfer. Angewandte Chemie, 2020, 132, 16097-16101.	2.0	4
40	On-Resin Recognition of Aromatic Oligopeptides and Proteins through Host-Enhanced Heterodimerization. Journal of the American Chemical Society, 2022, 144, 8474-8479.	13.7	4
41	InnenrÃ¼cktitelbild: Hierarchical Selfâ€Assembly of Adhesive and Conductive Gels with Anionâ€Coordinated Triple Helicate Junctions (Angew. Chem. 22/2022). Angewandte Chemie, 2022, 134, .	2.0	0