

Hongcheng Sun

List of Publications by Year in descending order

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35
papers

1,125
citations

394421

19
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

1641
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructures based on protein self-assembly: From hierarchical construction to bioinspired materials. <i>Nano Today</i> , 2017, 14, 16-41.	11.9	128
2	Self-Assembly of Cricoid Proteins Induced by "Soft Nanoparticles": An Approach To Design Multienzyme-Cooperative Antioxidative Systems. <i>ACS Nano</i> , 2015, 9, 5461-5469.	14.6	98
3	Cross-linked membranes based on sulfonated poly (ether ether ketone) (SPEEK)/Nafion for direct methanol fuel cells (DMFCs). <i>International Journal of Hydrogen Energy</i> , 2011, 36, 11025-11033.	7.1	73
4	Enzyme-Triggered Defined Protein Nanoarrays: Efficient Light-Harvesting Systems to Mimic Chloroplasts. <i>ACS Nano</i> , 2017, 11, 938-945.	14.6	71
5	Metal-organic frameworks (MOFs) for biopreservation: From biomacromolecules, living organisms to biological devices. <i>Nano Today</i> , 2020, 35, 100985.	11.9	69
6	Micelle-Induced Self-Assembling Protein Nanowires: Versatile Supramolecular Scaffolds for Designing the Light-Harvesting System. <i>ACS Nano</i> , 2016, 10, 421-428.	14.6	68
7	Catalytically Active Bacterial Nanocellulose-Based Ultrafiltration Membrane. <i>Small</i> , 2018, 14, e1704006.	10.0	59
8	Laterally functionalized pillar[5]arene: a new building block for covalent self-assembly. <i>Chemical Communications</i> , 2017, 53, 9024-9027.	4.1	52
9	Metal-Organic Framework Encapsulation for Biospecimen Preservation. <i>Chemistry of Materials</i> , 2018, 30, 1291-1300.	6.7	52
10	Synthesis and properties of a novel side-chain-type hydroxide exchange membrane for direct methanol fuel cells (DMFCs). <i>Journal of Power Sources</i> , 2012, 209, 228-235.	7.8	50
11	Multi-positively charged dendrimeric nanoparticles induced fluorescence quenching of graphene quantum dots for heparin and chondroitin sulfate detection. <i>Biosensors and Bioelectronics</i> , 2015, 74, 284-290.	10.1	45
12	Self-crosslinked alkaline electrolyte membranes based on quaternary ammonium poly (ether sulfone) for high-performance alkaline fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 9873-9881.	7.1	29
13	Synthesis and properties of an epoxy resin containing trifluoromethyl side chains and its cross-linking networks with different curing agents. <i>Polymer Degradation and Stability</i> , 2012, 97, 691-697.	5.8	29
14	Hierarchical Self-Assembly of Proteins Through Rationally Designed Supramolecular Interfaces. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 295.	4.1	28
15	Reversible pH-controlled switching of an artificial antioxidant selenoenzyme based on pseudorotaxane formation and dissociation. <i>Chemical Communications</i> , 2015, 51, 9987-9990.	4.1	27
16	Composite membranes based on fully sulfonated poly(aryl ether ketone)/epoxy resin/different curing agents for direct methanol fuel cells. <i>Journal of Power Sources</i> , 2013, 230, 290-297.	7.8	24
17	Construction of a smart temperature-responsive GPx mimic based on the self-assembly of supra-amphiphiles. <i>Soft Matter</i> , 2016, 12, 1192-1199.	2.7	24
18	Nanozymes as efficient tools for catalytic therapeutics. <i>View</i> , 2022, 3, 20200147.	5.3	23

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19	On/Off-Switchable Sequential Light-Harvesting Systems Based on Controllable Protein Nanosheets for Regulation of Photocatalysis. <i>ACS Nano</i> , 2022, 16, 8012-8021.	14.6	23
20	Photocontrolled reversible morphology conversion of protein nanowires mediated by an azobenzene-cored dendrimer. <i>Chemical Communications</i> , 2016, 52, 6001-6004.	4.1	22
21	Cascade catalytic nanoplatform constructed by laterally-functionalized pillar[5]arenes for antibacterial chemodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5069-5075.	5.8	22
22	Unimolecular Helix-Based Transmembrane Nanochannel with a Smallest Luminal Cavity of 1 Å... Expressing High Proton Selectivity and Transport Activity. <i>Nano Letters</i> , 2021, 21, 10462-10468.	9.1	22
23	Preparation, characterization and thermal properties of tetramethylbisphenol F epoxy resin and mixed systems. <i>Polymer International</i> , 2012, 61, 565-570.	3.1	11
24	Reversible Switch of a Selenium-Containing Antioxidant System Regulated by Protein Assembly. <i>ACS Catalysis</i> , 2020, 10, 9735-9740.	11.2	11
25	Block sulfonated poly(arylene ether ketone) containing flexible side-chain groups for direct methanol fuel cells usage. <i>Journal of Membrane Science</i> , 2012, 417-418, 61-68.	8.2	10
26	Fluorinated naphthalene-based poly(arylene ether ketone)s containing pendant groups for direct methanol fuel cells. <i>Polymer</i> , 2012, 53, 4413-4419.	3.8	9
27	Template-Free Self-Assembly of Two-Dimensional Polymers into Nano/Microstructured Materials. <i>Molecules</i> , 2021, 26, 3310.	3.8	9
28	Biomimetic Cascade Polymer Nanoreactors for Starvation and Photodynamic Cancer Therapy. <i>Molecules</i> , 2021, 26, 5609.	3.8	9
29	Bacteria-triggered radical anions amplifier of pillar[5]arene/perylene diimide nanosheets with highly selective antibacterial activity. <i>Chemical Engineering Journal</i> , 2022, 444, 136620.	12.7	9
30	Giant nanotubes equipped with horseradish peroxidase active sites: a powerful nanozyme co-assembled from supramolecular amphiphiles for glucose detection. <i>Chemical Engineering Journal</i> , 2022, 429, 132592.	12.7	8
31	Light-controlled switching of the self-assembly of ill-defined amphiphilic SP-PAMAM. <i>RSC Advances</i> , 2015, 5, 101894-101899.	3.6	4
32	Construction of Redox Responsive Vesicles Based on a Supra-Amphiphile for Enzyme Confinement. <i>Chinese Journal of Chemistry</i> , 2017, 35, 871-875.	4.9	4
33	Regulation of the Switchable Luminescence of Tridentate Platinum(II) Complexes by Photoisomerization. <i>Frontiers in Chemistry</i> , 2020, 8, 622256.	3.6	2
34	Biocompatible Diselenide-Containing Protein Hydrogels with Effective Visible-Light-Initiated Self-Healing Properties. <i>Polymers</i> , 2021, 13, 4360.	4.5	1
35	Artificial Photosynthesis(AP): From Molecular Catalysts to Heterogeneous Materials. <i>Chemical Research in Chinese Universities</i> , 0, , 1.	2.6	0