Chunxi Hou

List of Publications by Year
in descending order

33	1,379	471509 17	395702 33
papers	citations	h-index	g-index

34	34	34	1689
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Protein Assembly: Versatile Approaches to Construct Highly Ordered Nanostructures. Chemical Reviews, 2016, 116, 13571-13632.	47.7	452
2	Construction of Protein Nanowires through Cucurbit[8]urilâ€based Highly Specific Hostâ€“Guest Interactions: An Approach to the Assembly of Functional Proteins. Angewandte Chemie - International Edition, 2013, 52, 5590-5593.	13.8	145
3	Construction of GPx Active Centers on Natural Protein Nanodisk/Nanotube: A New Way to Develop Artificial Nanoenzyme. ACS Nano, 2012, 6, 8692-8701.	14.6	92
4	Quantum-Dot-Induced Self-Assembly of Cricoid Protein for Light Harvesting. ACS Nano, 2014, 8, 3743-3751.	14.6	83
5	Enzyme-Triggered Defined Protein Nanoarrays: Efficient Light-Harvesting Systems to Mimic Chloroplasts. ACS Nano, 2017, 11, 938-945.	14.6	71
6	Enzyme-Regulated Fast Self-Healing of a Pillararene-Based Hydrogel. Biomacromolecules, 2017, 18, 1885-1892.	5.4	53
7	Design of artificial enzymes by supramolecular strategies. Current Opinion in Structural Biology, 2018, 51, 19-27.	5.7	49
8	Construction of protein assemblies by hostâ€“guest interactions with cucurbiturils. Organic and Biomolecular Chemistry, 2017, 15, 4272-4281.	2.8	43
9	Template-Free Construction of Highly Ordered Monolayered Fluorescent Protein Nanosheets: A Bioinspired Artificial Light-Harvesting System. ACS Nano, 2019, 13, 1861-1869.	14.6	37
10	An ion signal responsive dynamic protein nano-spring constructed by high ordered hostâ€“guest recognition. Chemical Communications, 2016, 52, 2924-2927.	4.1	34
11	The construction of functional protein nanotubes by small molecule-induced self-assembly of cricoid proteins. Chemical Communications, 2016, 52, 4092-4095.	4.1	33
12	Constructing antibacterial polymer nanocapsules based on pyridine quaternary ammonium salt. Materials Science and Engineering C, 2020, 108, 110383.	7.3	31
13	Rational Design and Biological Application of Antioxidant Nanozymes. Frontiers in Chemistry, 2020, 8, 831.	3.6	31
14	â€œOn/Offâ€•Switchable Sequential Light-Harvesting Systems Based on Controllable Protein Nanosheets for Regulation of Photocatalysis. ACS Nano, 2022, 16, 8012-8021.	14.6	23
15	Recent development in the design of artificial enzymes through molecular imprinting technology. Journal of Materials Chemistry B, 2022, 10, 6590-6606.	5.8	23
16	Construction of supramolecular polymer by enzyme-triggered covalent condensation of CB[8]-FGG-based supramonomer. Chemical Communications, 2016, 52, 2083-2086.	4.1	20
17	Supramolecular Protein Assemblies Based on DNA Templates. Journal of Physical Chemistry Letters, 2017, 8, 3970-3979.	4.6	15
18	Biomimetic Pulsating Vesicles with Both pH-Tunable Membrane Permeability and Light-Triggered Disassemblyâ€“Re-assembly Behaviors Prepared by Supra-Amphiphilic Helices. ACS Applied Materials & Interfaces, 2019, 11, 30566-30574.	8.0	15

#	Article	IF	Citations
19	Photocontrolled protein assembly for constructing programmed two-dimensional nanomaterials. Journal of Materials Chemistry B, 2018, 6, 75-83.	5.8	12
20	Engineering Nonmechanical Protein-Based Hydrogels with Highly Mechanical Properties: Comparison with Natural Muscles. Biomacromolecules, 2020, 21, 4212-4219.	5.4	12
21	Supramolecularly regulated artificial transmembrane signal transduction for 'ON/OFF'-switchable enzyme catalysis. Chemical Communications, 2022, 58, 5725-5728.	4.1	11
22	Supramolecular polymer nanocapsules by enzymatic covalent condensation: biocompatible and biodegradable drug-delivery systems for chemo-photothermal anticancer therapy. Polymer Chemistry, 2019, 10, 3566-3570.	3.9	10
23	Single-Cell VEGF Analysis by Fluorescence Imagingâ€“Microfluidic Droplet Platform: An Immunosandwich Strategy on the Cell Surface. Analytical Chemistry, 2022, 94, 6591-6598.	6.5	8
24	Construction of a reconfigurable DNA nanocage for encapsulating a TMV disk. Chemical Communications, 2019, 55, 8951-8954.	4.1	6
25	Hierarchical protein self-assembly into dynamically controlled 2D nanoarrays via hostâ€“guest chemistry. Chemical Communications, 2021, 57, 10620-10623.	4.1	6
26	Virus-Based Supramolecular Structure and Materials: Concept and Prospects. ACS Applied Bio Materials, 2021, 4, 5961-5974.	4.6	6
27	Single-Molecule Observation of Selenoenzyme Intermediates in a Semisynthetic Seleno-Î±-Hemolysin Nanoreactor. Analytical Chemistry, 2022, 94, 8433-8440.	6.5	6
28	Protein Selfâ€Assembly Driven by De Novo Coiled Coils and Constructing Ag Nanoparticleâ€Protein Assembly Composite with High Catalytic Activity. Particle and Particle Systems Characterization, 2018, 35, 1700436.	2.3	4
29	Morphological Transformation between Orthogonal Dynamic Covalent Selfâ€Assembly of Imineâ€Boroxine Hybrid Polymer Nanocapsules and Thin Films via Linker Exchange. Macromolecular Rapid Communications, 2020, 41, 1900586.	3.9	4
30	Difunctionalized pillar[5]arene-based polymer nanosheets for photodynamic therapy of Staphylococcus aureus infection. Journal of Materials Chemistry B, 2021, 9, 2066-2072.	5.8	4
31	Construction of Ultralarge Two-Dimensional Fluorescent Protein Arrays via a Reengineered Rhodamine B-Based Molecular Tool. ACS Macro Letters, 2021, 10, 307-311.	4.8	4
32	Highly sensitive detection of paraquat with pillar[5]arenes as an aptamer in an Î±-hemolysin nanopore. Materials Chemistry Frontiers, 2021, 5, 7032-7040.	5.9	4
33	Construction of Artificial Enzymes on aÂVirus Surface. Methods in Molecular Biology, 2018, 1776, 437-454.	0.9	0