

Shanshan Lv

List of Publications by Year in descending order

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32
papers

1,170
citations

567281

15
h-index

414414

32
g-index

34
all docs

34
docs citations

34
times ranked

1759
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Microwave Irradiation on Dipeptides and Proteins Derived from Silk During Solvation. <i>Advanced Fiber Materials</i> , 2022, 4, 448-456.	16.1	3
2	Elastic-Modulus-Dependent Macroscopic Supramolecular Assembly of Poly(dimethylsiloxane) for Understanding Fast Interfacial Adhesion. <i>Langmuir</i> , 2021, 37, 4276-4283.	3.5	14
3	Generation of Yeast Protoplasts by Lytic Actions of Iron Oxide Magnetic Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 9012-9021.	3.7	3
4	Research fronts of Chemical Biology. <i>Pure and Applied Chemistry</i> , 2021, 93, 1473-1485.	1.9	0
5	Preparation of silk fibroin-based microspheres under high-gravity field. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 158, 108180.	3.6	2
6	Silk Fibroin-Based Materials for Catalyst Immobilization. <i>Molecules</i> , 2020, 25, 4929.	3.8	21
7	Immobilized laccase-catalyzed coupling for construction of silk fibroin-lignin composite hydrogels. <i>Applied Catalysis A: General</i> , 2020, 597, 117541.	4.3	14
8	Iron oxide magnetic nanoparticles exhibiting zymolyase-like lytic activity. <i>Chemical Engineering Journal</i> , 2020, 394, 125000.	12.7	13
9	Host-guest complexes of β -cyclodextrin with methyl orange/methylene blue-derived multi-heteroatom doped carbon materials for supercapacitors. <i>Composites Communications</i> , 2019, 16, 117-123.	6.3	9
10	Design of Self-Healing and Electrically Conductive Silk Fibroin-Based Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 20394-20403.	8.0	57
11	Engineering Protein-Clay Nanosheets Composite Hydrogels with Designed Arginine-Rich Proteins. <i>Langmuir</i> , 2019, 35, 7255-7260.	3.5	5
12	Self-Assembled Regenerated Silk Fibroin Microsphere-Embedded Fe ₃ O ₄ Magnetic Nanoparticles for Immobilization of Zymolyase. <i>ACS Omega</i> , 2019, 4, 21612-21619.	3.5	17
13	Synthesis of chemically crosslinked pullulan/gelatin-based extracellular matrix-mimetic gels. <i>International Journal of Biological Macromolecules</i> , 2019, 122, 1262-1270.	7.5	27
14	Illustration and application of enhancing effect of arginine on interactions between nano-clays: self-healing hydrogels. <i>Soft Matter</i> , 2019, 15, 303-311.	2.7	13
15	Using single molecule force spectroscopy to facilitate a rational design of Ca ²⁺ -responsive β -roll peptide-based hydrogels. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5303-5312.	5.8	8
16	Silk fibroin-based hydrogels as a protective matrix for stabilization of enzymes against pH denaturation. <i>Molecular Catalysis</i> , 2018, 457, 24-32.	2.0	32
17	A Simple, Low-cost Method to Fabricate Drag-reducing Coatings on a Macroscopic Model Ship. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 616-621.	2.6	6
18	Microwave-assisted fast and efficient dissolution of silkworm silk for constructing fibroin-based biomaterials. <i>Chemical Engineering Science</i> , 2018, 189, 286-295.	3.8	14

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19	Combined post-infiltration, subsequent photochemical cross-linking and cross-linking and selective etching strategies to fabricate nanoporous layer-by-layer assembled multilayers. <i>Colloid and Polymer Science</i> , 2017, 295, 317-325.	2.1	4
20	High water content silk protein-based hydrogels with tunable elasticity fabricated via a Ru(II) mediated photochemical cross-linking method. <i>Fibers and Polymers</i> , 2017, 18, 1831-1840.	2.1	15
21	Polymer micelles as building blocks for layer-by-layer assembly of multilayers under a high-gravity field. <i>Chemical Engineering Journal</i> , 2016, 293, 302-310.	12.7	9
22	Layer-by-Layer Assembled Chitosan-Based Antibacterial Films with Improved Stability under Alkaline Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10664-10670.	3.7	10
23	Dual-responsive star-shaped polypeptides for drug delivery. <i>RSC Advances</i> , 2016, 6, 6368-6377.	3.6	21
24	Protein tetrazinylation via diazonium coupling for covalent and catalyst-free bioconjugation. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 11422-11425.	2.8	14
25	Synthesis and characterization of hydroxyapatite nanoparticles prepared by a high-gravity precipitation method. <i>Ceramics International</i> , 2015, 41, 14340-14349.	4.8	52
26	Towards constructing extracellular matrix-mimetic hydrogels: An elastic hydrogel constructed from tandem modular proteins containing tenascin FnIII domains. <i>Acta Biomaterialia</i> , 2013, 9, 6481-6491.	8.3	45
27	Tandem Modular Protein-Based Hydrogels Constructed Using a Novel Two-Component Approach. <i>Langmuir</i> , 2012, 28, 2269-2274.	3.5	35
28	Single-Molecule Level Evidence for the Osmophobic Effect. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4394-4397.	13.8	25
29	Designed biomaterials to mimic the mechanical properties of muscles. <i>Nature</i> , 2010, 465, 69-73.	27.8	480
30	Influences of CeO ₂ microstructures on the structure and activity of Au/CeO ₂ /SiO ₂ catalysts in CO oxidation. <i>Journal of Molecular Catalysis A</i> , 2009, 306, 40-47.	4.8	75
31	Restructuring-Induced Activity of SiO ₂ -Supported Large Au Nanoparticles in Low-Temperature CO Oxidation. <i>Chemistry - A European Journal</i> , 2008, 14, 10595-10602.	3.3	26
32	Low-temperature CO oxidation over Au/ZnO/SiO ₂ catalysts: Some mechanism insights. <i>Journal of Catalysis</i> , 2008, 255, 269-278.	6.2	81