

Shikun Chen

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,164
citations

394421

19
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

1814
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical Porous Carbonized Lotus Seedpods for Highly Efficient Solar Steam Generation. <i>Chemistry of Materials</i> , 2018, 30, 6217-6221.	6.7	204
2	Dual Chemodrug-Loaded Single-Walled Carbon Nanohorns for Multimodal Imaging-Guided Chemo-Photothermal Therapy of Tumors and Lung Metastases. <i>Theranostics</i> , 2018, 8, 1966-1984.	10.0	79
3	Synthesis of biomorphic ZnO interwoven microfibers using eggshell membrane as the biotemplate. <i>Materials Letters</i> , 2007, 61, 2714-2717.	2.6	75
4	Inspiration from butterfly and moth wing scales: Characterization, modeling, and fabrication. <i>Progress in Materials Science</i> , 2015, 68, 67-96.	32.8	74
5	Controllable synthesis and gas response of biomorphic SnO ₂ with architecture hierarchy of butterfly wings. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 39-45.	7.8	68
6	Tumor Chemo-Radiotherapy with Rod-Shaped and Spherical Gold Nano Probes: Shape and Active Targeting Both Matter. <i>Theranostics</i> , 2019, 9, 1893-1908.	10.0	66
7	Highly sensitive, reproducible and uniform SERS substrates with a high density of three-dimensionally distributed hotspots: gyroid-structured Au periodic metallic materials. <i>NPG Asia Materials</i> , 2018, 10, e462-e462.	7.9	65
8	Fabrication and gas sensitivity of SnO ₂ hierarchical films with interwoven tubular conformation by a biotemplate-directed sol-gel technique. <i>Nanotechnology</i> , 2006, 17, 3968-3972.	2.6	57
9	Influence of hierarchical nanostructures on the gas sensing properties of SnO ₂ biomorphic films. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 420-428.	7.8	50
10	Biogenic Synthesis and Photocatalysis of Pd ²⁺ /PdO Nanoclusters Reinforced Hierarchical TiO ₂ Films with Interwoven and Tubular Conformations. <i>Biomacromolecules</i> , 2008, 9, 499-504.	5.4	43
11	Synthesis and characterizations of hierarchical biomorphic titania oxide by a bio-inspired bottom-up assembly solution technique. <i>Journal of Solid State Chemistry</i> , 2007, 180, 949-955.	2.9	42
12	Bioinspired Au/TiO ₂ photocatalyst derived from butterfly wing (Papilio Paris). <i>Journal of Colloid and Interface Science</i> , 2012, 370, 117-123.	9.4	41
13	Biotemplate-directed assembly of porous SnO ₂ nanoparticles into tubular hierarchical structures. <i>Scripta Materialia</i> , 2006, 55, 799-802.	5.2	39
14	Hierarchical Metal Oxides Assembled by Nanocrystallites Via a Simple Bio-Inspired Route. <i>Journal of the American Ceramic Society</i> , 2007, 90, 376-380.	3.8	39
15	3D TiO ₂ submicrostructures decorated by silver nanoparticles as SERS substrate for organic pollutants detection and degradation. <i>Materials Research Bulletin</i> , 2014, 49, 560-565.	5.2	27
16	Fabrication of hierarchical ZnO films with interwoven porous conformations by a bioinspired templating technique. <i>Chemical Engineering Journal</i> , 2008, 137, 428-435.	12.7	26
17	Incubating lead selenide nanoclusters and nanocubes on the eggshell membrane at room temperature. <i>Journal of Membrane Science</i> , 2006, 283, 7-12.	8.2	22
18	Silk-mediated synthesis and modification of photoluminescent ZnO nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	22

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19	Micron-sized encapsulated-type MoS ₂ /C hybrid particulates with an effective confinement effect for improving the cycling performance of LIB anodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6289-6298.	10.3	21
20	In situ deposition of flower-like ZnO on silk fibroin fibers. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 108, 235-238.	2.3	17
21	In situ formation and assembly of CdS nanocrystallites into polyhedrons on Eggshell membrane at room temperature. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 106, 93-97.	2.3	14
22	Ordering of Hollow Ag-Au Nanospheres with Butterfly Wings as a Bio-template. <i>Scientific Reports</i> , 2018, 8, 9261.	3.3	13
23	Patterning and photoluminescence of CdS nanocrystallites on silk fibroin fiber. <i>Journal of Nanoparticle Research</i> , 2010, 12, 347-356.	1.9	11
24	In situ bioinspired synthesis of silver chloride nanocrystals on silk fibroin fibers. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 102, 429-434.	2.3	11
25	Bio-inspired synthesis of ZnO polyhedral single crystals under Eggshell membrane direction. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 269-274.	2.3	9
26	Efficient photochemical hydrogen production under visible-light over artificial photosynthetic systems. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 8639-8647.	7.1	9
27	Biocompatible, small-sized and well-dispersed gold nanoparticles regulated by silk fibroin fiber from <i>Bombyx mori</i> cocoons. <i>Frontiers of Materials Science</i> , 2019, 13, 126-132.	2.2	9
28	Assembly and Formation of Biomorphic Tin Dioxide by a Biomimetic Sol-Gel Approach Involving Glycoprotein. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 2265-2273.	2.0	8
29	Co-doping of P(V) and Ti(III) in leaf-architected TiO ₂ for enhanced visible light harvesting and solar photocatalysis. <i>Journal of the American Ceramic Society</i> , 2021, 104, 5719-5732.	3.8	2
30	Bioinspired multilevel interconnected networks with porous multiwalled nanotubes built by heterogeneous nanocrystallites. <i>Journal of the American Ceramic Society</i> , 2020, 103, 604-613.	3.8	1