

Siyuan Xiang

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

811
citations

687363

13
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

1442
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation into the fluorescence quenching behaviors and applications of carbon dots. <i>Nanoscale</i> , 2014, 6, 4676.	5.6	360
2	Bioinspired polyethylene terephthalate nanocone arrays with underwater superoleophobicity and anti-bioadhesion properties. <i>Nanoscale</i> , 2014, 6, 13845-13853.	5.6	70
3	Self-Healing Superhydrophobic Surfaces: Healing Principles and Applications. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100247.	3.7	45
4	Chelation competition induced polymerization (CCIP): construction of integrated hollow polydopamine nanocontainers with tailorable functionalities. <i>Chemical Communications</i> , 2016, 52, 10155-10158.	4.1	36
5	A facile two-step etching method to fabricate porous hollow silica particles. <i>Journal of Colloid and Interface Science</i> , 2012, 384, 22-28.	9.4	35
6	Hierarchical Hollow Nanocages Derived from Polymer/Cobalt Complexes for Electrochemical Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10912-10919.	6.7	31
7	Underwater Superoleophobic Surface Based on Silica Hierarchical Cylinder Arrays with a Low Aspect Ratio. <i>ACS Nano</i> , 2020, 14, 9166-9175.	14.6	30
8	Chelation Competition Induced Polymerization (CCIP): A Binding Energy Based Strategy for Nonspherical Polymer Nanocontainers™ Fabrication. <i>Chemistry of Materials</i> , 2017, 29, 6536-6543.	6.7	25
9	Utilizing in-situ polymerization of pyrrole to fabricate composited hollow nanospindles for boosting oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2020, 274, 119112.	20.2	23
10	Facile synthesis of manganese oxide loaded hollow silica particles and their application for methylene blue degradation. <i>Journal of Colloid and Interface Science</i> , 2013, 405, 28-34.	9.4	22
11	Aqueous-Processed Polymer/Nanocrystal Hybrid Solar Cells with Double-Side Bulk Heterojunction. <i>Advanced Energy Materials</i> , 2018, 8, 1701966.	19.5	17
12	Tunable Polymer Brush/Au NPs Hybrid Plasmonic Arrays Based on Host-guest Interaction. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19951-19957.	8.0	16
13	Facile fabrication of mesoporous N-doped Fe ₃ O ₄ @C nanospheres as superior anodes for Li-ion batteries. <i>RSC Advances</i> , 2014, 4, 713-716.	3.6	15
14	Construction of hollow polydopamine nanoparticle based drug sustainable release system and its application in bone regeneration. <i>International Journal of Oral Science</i> , 2021, 13, 27.	8.6	15
15	Functional interface based on silicon artificial chamfer nanocylinder arrays (CNCAs) with underwater superoleophobicity and anisotropic properties. <i>Nano Research</i> , 2016, 9, 3141-3151.	10.4	13
16	Hierarchical-Multiplex DNA Patterns Mediated by Polymer Brush Nanocone Arrays That Possess Potential Application for Specific DNA Sensing. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24760-24771.	8.0	12
17	Hollow Polypyrrole Nanospindles for Highly Effective Cancer Therapy. <i>ChemPlusChem</i> , 2018, 83, 1127-1134.	2.8	11
18	Design and synthesis of dodecahedral carbon nanocages incorporated with Fe ₃ O ₄ . <i>RSC Advances</i> , 2017, 7, 13257-13262.	3.6	10

#	ARTICLE	IF	CITATIONS
19	Hierarchically porous Pd nanospheres: facile synthesis and their application in HCOOH electrooxidation. <i>Chemical Communications</i> , 2016, 52, 10064-10067.	4.1	9
20	Reversing Aβ Fibrillation and Inhibiting Aβ Primary Neuronal Cell Toxicity Using Amphiphilic Polyphenylene Dendrons. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101854.	7.6	8
21	Facile Synthesis of ZnO-Au Nanopetals and Their Application for Biomolecule Determinations. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 924-928.	2.6	5
22	Large-scale Au nanoparticle cluster arrays with tunable particle numbers evolved from colloidal lithography. <i>Nanotechnology</i> , 2018, 29, 405301.	2.6	3
23	Engineering Surface Amphiphilicity of Polymer Nanostructures. <i>Progress in Polymer Science</i> , 2021, , 101489.	24.7	0