

Ning Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

931
citations

567281

15
h-index

501196

28
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32
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32
docs citations

32
times ranked

1474
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclic production of biocompatible few-layer graphene ink with in-line shear-mixing for inkjet-printed electrodes and Li-ion energy storage. <i>Npj 2D Materials and Applications</i> , 2022, 6, .	7.9	15
2	Efficient Hydrolytic Hydrogen Evolution from Sodium Borohydride Catalyzed by Polymer Immobilized Ionic Liquid-stabilized Platinum Nanoparticles. <i>ChemCatChem</i> , 2022, 14, .	3.7	11
3	Graphene oxide as a new generation adsorbent for the removal of antibiotics from waters. <i>Separation Science and Technology</i> , 2021, 56, 453-461.	2.5	37
4	CO ₂ mineralisation of brines with regenerative hydrotalcites in a cyclical process. <i>Chemical Engineering Journal</i> , 2021, 404, 126450.	12.7	15
5	Effect of sodium bicarbonate solution on methyltrimethoxysilane-derived silica aerogels dried at ambient pressure. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 954-959.	4.4	0
6	Synthesis of sodium silicate-based silica aerogels with graphene oxide by ambient pressure drying. <i>Journal of Porous Materials</i> , 2021, 28, 1545-1552.	2.6	7
7	Sensing and Delineating Mixed-VOC Composition in the Air Using a Single Metal Oxide Sensor. <i>Clean Technologies</i> , 2021, 3, 519-533.	4.2	3
8	Morphology control of nickel nanoparticles prepared in situ within silica aerogels produced by novel ambient pressure drying. <i>Scientific Reports</i> , 2020, 10, 11743.	3.3	9
9	Advances in process development of aqueous CO ₂ mineralisation towards scalability. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104453.	6.7	36
10	Rapid CO ₂ capture-to-mineralisation in a scalable reactor. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 473-484.	3.7	9
11	Catalytic Performance of Nickel Nanowires Immobilized in Silica Aerogels for the CO ₂ Hydration Reaction. <i>ACS Omega</i> , 2019, 4, 1824-1830.	3.5	19
12	Acceleration of CO ₂ mineralisation of alkaline brines with nickel nanoparticles catalysts in continuous tubular reactor. <i>Chemical Engineering Journal</i> , 2019, 377, 120479.	12.7	21
13	Synthesis of porous zinc-based/zinc oxide composites via sol-gel and ambient pressure drying routes. <i>Journal of Materials Science</i> , 2018, 53, 8170-8179.	3.7	5
14	Bioinspired Synthesis of Monolithic and Layered Aerogels. <i>Advanced Materials</i> , 2018, 30, e1706294.	21.0	34
15	Thermoelectric characterization of nickel-nanowires and nanoparticles embedded in silica aerogels. <i>AIP Advances</i> , 2018, 8, .	1.3	13
16	Systematic study of electronic properties of Fe-doped TiO ₂ nanoparticles by X-ray photoemission spectroscopy. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 17956-17966.	2.2	20
17	Synthesis and Characterisation of Reduced Graphene Oxide/Bismuth Composite for Electrodes in Electrochemical Energy Storage Devices. <i>ChemSusChem</i> , 2017, 10, 363-371.	6.8	41
18	Oral administration of amphotericin B nanoparticles: antifungal activity, bioavailability and toxicity in rats. <i>Drug Delivery</i> , 2017, 24, 40-50.	5.7	83

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19	Green reduction of graphene oxide using alanine. <i>Materials Science and Engineering C</i> , 2017, 72, 1-6.	7.3	152
20	Enhanced removal of nickel(II) ions from aqueous solutions by SDS-functionalized graphene oxide. <i>Separation Science and Technology</i> , 2016, 51, 1317-1327.	2.5	44
21	Photochemical Enhancement in Catalytic Activity of Nickel Nanoparticles for Hydration of CO ₂ . <i>ChemistrySelect</i> , 2016, 1, 2091-2095.	1.5	9
22	CacheKit: Evading Memory Introspection Using Cache Incoherence. , 2016, , .		21
23	Nanoparticle-mediated transcriptional modification enhances neuronal differentiation of human neural stem cells following transplantation in rat brain. <i>Biomaterials</i> , 2016, 84, 157-166.	11.4	43
24	Metallic nickel nanoparticles and their effect on the embryonic development of the sea urchin <i>Paracentrotus lividus</i> . <i>Environmental Pollution</i> , 2016, 212, 224-229.	7.5	39
25	Nickel Nanoparticles for Enhancing Carbon Capture. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-13.	2.7	26
26	Stealth Amphotericin B nanoparticles for oral drug delivery: In vitro optimization. <i>Saudi Pharmaceutical Journal</i> , 2015, 23, 290-302.	2.7	64
27	Reply to the "Comment on "Nickel nanoparticles catalyse reversible hydration of carbon dioxide for mineralization carbon capture and storage" by D. Britt, <i>Catal. Sci. Technol.</i> , 2013, 3, DOI: 10.1039/C3CY00142C. <i>Catalysis Science and Technology</i> , 2013, 3, 2197.	4.1	7
28	Silver nanoparticle toxicity in sea urchin <i>Paracentrotus lividus</i> . <i>Environmental Pollution</i> , 2013, 178, 498-502.	7.5	61
29	Nickel nanoparticles catalyse reversible hydration of carbon dioxide for mineralization carbon capture and storage. <i>Catalysis Science and Technology</i> , 2013, 3, 1234.	4.1	81
30	Electron energy loss spectroscopy on alkylated silicon nanocrystals. <i>Journal of Applied Physics</i> , 2008, 104, 084318.	2.5	6