Chenxi Qian

List of Publications by Year
in descending order

38 papers	2,772 citations	331670 21 h-index	302126 39 g-index
42 all docs	42 docs citations	42 times ranked	4430 citing authors

#	Article	IF	Citations
1	Solar Urea: Towards a Sustainable Fertilizer Industry. Angewandte Chemie - International Edition, 2022, 61, .	13.8	37
2	High spatial-resolution imaging of label-freein vivoprotein aggregates by VISTA. Analyst, The, 2021, 146, 4135-4145.	3.5	11
3	Manipulating Oxidation of Silicon with Fresh Surface Enabling Stable Battery Anode. Nano Letters, 2021, 21, 3127-3133.	9.1	33
4	Toward photoswitchable electronic pre-resonance stimulated Raman probes. Journal of Chemical Physics, 2021, 154, 135102.	3.0	20
5	Super-resolution label-free volumetric vibrational imaging. Nature Communications, 2021, 12, 3648.	12.8	29
6	The next big thing for silicon nanostructures â€“ CO₂ photocatalysis. Faraday Discussions, 2020, 222, 424-432.	3.2	13
7	Electrolyte-Phobic Surface for the Next-Generation Nanostructured Battery Electrodes. Nano Letters, 2020, 20, 7455-7462.	9.1	25
8	Raman-guided subcellular pharmaco-metabolomics for metastatic melanoma cells. Nature Communications, 2020, 11, 4830.	12.8	88
9	Catalytic CO2 reduction by palladium-decorated siliconâ€“hydride nanosheets. Nature Catalysis, 2019, 2, 46-54.	34.4	116
10	Photocatalytic Hydrogenation of Carbon Dioxide with High Selectivity to Methanol at Atmospheric Pressure. Joule, 2018, 2, 1369-1381.	24.0	148
11	Greening Ammonia toward the Solar Ammonia Refinery. Joule, 2018, 2, 1055-1074.	24.0	603
12	Sizeâ€Tunable Photothermal Germanium Nanocrystals. Angewandte Chemie, 2017, 129, 6426-6431.	2.0	6
13	Sizeâ€Tunable Photothermal Germanium Nanocrystals. Angewandte Chemie - International Edition, 2017, 56, 6329-6334.	13.8	47
14	UVâ€Blocking Photoluminescent Silicon Nanocrystal/Polydimethylsiloxane Composites. Advanced Optical Materials, 2017, 5, 1700237.	7.3	17
15	Efficient Electrocatalytic Reduction of CO₂ by Nitrogenâ€Doped Nanoporous Carbon/Carbon Nanotube Membranes: A Step Towards the Electrochemical CO₂ Refinery. Angewandte Chemie - International Edition, 2017, 56, 7847-7852.	13.8	252
16	Heterogeneous catalytic hydrogenation of CO₂by metal oxides: defect engineering â€“ perfecting imperfection. Chemical Society Reviews, 2017, 46, 4631-4644.	38.1	304
17	Efficient Electrocatalytic Reduction of CO₂ by Nitrogenâ€Doped Nanoporous Carbon/Carbon Nanotube Membranes: A Step Towards the Electrochemical CO₂ Refinery. Angewandte Chemie, 2017, 129, 7955-7960.	2.0	78
18	Enhanced cellular uptake of size-separated lipophilic silicon nanoparticles. Scientific Reports, 2017, 7, 43731.	3.3	10

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19	Tailoring CO₂ Reduction with Doped Silicon Nanocrystals. Advanced Sustainable Systems, 2017, 1, 1700118.	5.3	15
20	Photothermal Catalyst Engineering: Hydrogenation of Gaseous CO₂ with High Activity and Tailored Selectivity. Advanced Science, 2017, 4, 1700252.	11.2	97
21	Photothermal Catalysis: Photothermal Catalyst Engineering: Hydrogenation of Gaseous CO₂ with High Activity and Tailored Selectivity (Adv. Sci. 10/2017). Advanced Science, 2017, 4, .	11.2	2
22	Synthesis of Black TiO_x Nanoparticles by Mg Reduction of TiO₂ Nanocrystals and their Application for Solar Water Evaporation. Advanced Energy Materials, 2017, 7, 1601811.	19.5	326
23	Silicon Nanocrystals: It's Simply a Matter of Size. ChemNanoMat, 2016, 2, 847-855.	2.8	11
24	Dye colour switching by hydride-terminated silicon particles and its application as an oxygen indicator. Journal of Materials Chemistry C, 2016, 4, 4577-4583.	5.5	9
25	Spatial Separation of Charge Carriers in In₂O_{3â€“x}(OH)_y Nanocrystal Superstructures for Enhanced Gas-Phase Photocatalytic Activity. ACS Nano, 2016, 10, 5578-5586.	14.6	118
26	Heterogeneous reduction of carbon dioxide by hydride-terminated silicon nanocrystals. Nature Communications, 2016, 7, 12553.	12.8	93
27	Porous NIR Photoluminescent Silicon Nanocrystalsâ€POSS Composites. Advanced Functional Materials, 2016, 26, 5102-5110.	14.9	31
28	Silicon monoxide â€“ a convenient precursor for large scale synthesis of near infrared emitting monodisperse silicon nanocrystals. Nanoscale, 2016, 8, 3678-3684.	5.6	30
29	Permanently porous hydrogen-bonded frameworks of rod-like thiophenes, selenophenes, and tellurophenes capped with MIDA boronates. Dalton Transactions, 2016, 45, 9754-9757.	3.3	12
30	Nanomaterials: Exploring the Possibilities and Limitations of a Nanomaterials Genome (Small 1/2015). Small, 2015, 11, 63-63.	10.0	0
31	Morphology-controlled In₂O₃ nanostructures enhance the performance of photoelectrochemical water oxidation. Nanoscale, 2015, 7, 3683-3693.	5.6	37
32	Exploring the Possibilities and Limitations of a Nanomaterials Genome. Small, 2015, 11, 64-69.	10.0	19
33	Switchingâ€On Quantum Size Effects in Silicon Nanocrystals. Advanced Materials, 2015, 27, 746-749.	21.0	43
34	Non-wettable, Oxidation-Stable, Brightly Luminescent, Perfluorodecyl-Capped Silicon Nanocrystal Film. Journal of the American Chemical Society, 2014, 136, 15849-15852.	13.7	32
35	Ionic iridium complex coordinated with tetrathiafulvalene-fused phenanthroline ligand: Synthesis, photophysical, electrochemical and electrochemiluminescence properties. Journal of Organometallic Chemistry, 2014, 750, 7-12.	1.8	10
36	Hydrosilylation kinetics of silicon nanocrystals. Chemical Communications, 2013, 49, 11361.	4.1	20

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37	Syntheses, characterization and properties of oxo-centered triruthenium cluster with tetrathiafulvalene-fused ligands. Journal of Organometallic Chemistry, 2012, 716, 275-280.	1.8	3
38	Metal Complexes Based on Tetrathiafulvaleneâ€Fused Ï€â€Extended Schiff Base Ligands â€“ Syntheses, Characterization, and Properties. European Journal of Inorganic Chemistry, 2012, 2012, 234-245.	2.0	23