Xuezhe Zhou

List of Publications by Year
in descending order

28	605	687363	610901
papers	citations	13	24
		h-index	g-index

37	37	37	1188
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reply to Comment on â€œA Mechanistic Understanding of Nonclassical Crystal Growth in Hydrothermally Synthesized Sodium Yttrium Fluoride Nanowiresâ€. Chemistry of Materials, 2021, 33, 3862-3864.	6.7	1
2	Hydrothermal Synthesis and Solid-State Laser Refrigeration of Ytterbium-Doped Potassium-Lutetium-Fluoride (KLF) Microcrystals. Chemistry of Materials, 2021, 33, 4417-4424.	6.7	10
3	A Mechanistic Understanding of Nonclassical Crystal Growth in Hydrothermally Synthesized Sodium Yttrium Fluoride Nanowires. Chemistry of Materials, 2020, 32, 2753-2763.	6.7	27
4	Crystalline loading of lipophilic Coenzyme Q10 pharmaceuticals within conjugated carbon aerogel derivatives. Carbon, 2020, 164, 451-458.	10.3	6
5	Observation of Void Formation in Cubic NaYF4 Nanocrystals Using In Situ Heating Transmission Electron Microscopy. Microscopy and Microanalysis, 2019, 25, 1496-1497.	0.4	0
6	Interface-Dependent Radiative Lifetimes of Yb³⁺, Er³⁺ Co-doped Single NaYF₄ Upconversion Nanowires. ACS Applied Materials & Interfaces, 2019, 11, 22817-22823.	8.0	18
7	High-pressure, high-temperature molecular doping of nanodiamond. Science Advances, 2019, 5, eaau6073.	10.3	40
8	Optomechanical Thermometry of Nanoribbon Cantilevers. Journal of Physical Chemistry C, 2018, 122, 7525-7532.	3.1	17
9	Copper- and chloride-mediated synthesis and optoelectronic trapping of ultra-high aspect ratio palladium nanowires. Journal of Materials Chemistry A, 2018, 6, 5644-5651.	10.3	13
10	Photothermal effects during nanodiamond synthesis from a carbon aerogel in a laser-heated diamond anvil cell. Diamond and Related Materials, 2018, 87, 134-142.	3.9	12
11	Patterning of graphene oxide with optoelectronic tweezers. Applied Physics Letters, 2018, 113, .	3.3	15
12	Photothermal Heating and Cooling of Nanostructures. Chemistry - an Asian Journal, 2018, 13, 2575-2586.	3.3	13
13	Optomechanical thermometry of cadmium sulfide nanoribbon cantilevers (Conference Presentation). , 2018, , .		0
14	Chitosanâ€Gated Magneticâ€Responsive Nanocarrier for Dualâ€Modal Optical Imaging, Switchable Drug Release, and Synergistic Therapy. Advanced Healthcare Materials, 2017, 6, 1601080.	7.6	26
15	Rapid synthesis of transition metal dichalcogenideâ€“carbon aerogel composites for supercapacitor electrodes. Microsystems and Nanoengineering, 2017, 3, 17032.	7.0	48
16	Recovery of hexagonal Si-IV nanowires from extreme GPa pressure. Journal of Applied Physics, 2016, 119, 185902.	2.5	7
17	Laser Refrigeration of Ytterbiumâ€Doped Sodiumâ€“Yttriumâ€“Fluoride Nanowires. Advanced Materials, 2016, 28, 8658-8662.	21.0	48
18	Corrosion Behaviour of Alâ€“4Mgâ€“1Cu (wt%) Microalloyed with Si and Ag. Advanced Engineering Materials, 2015, 17, 1670-1674.	3.5	4

#	Article	IF	Citations
19	Photothermal Superheating of Water with Ionâ€Implanted Silicon Nanowires. Advanced Optical Materials, 2015, 3, 1362-1367.	7.3	6
20	Nanoscale materials for hyperthermal theranostics. Nanoscale, 2015, 7, 7115-7126.	5.6	39
21	Three dimensional architecture of carbon wrapped multilayer Na₃V₂O₂(PO₄)₂F nanocubes embedded in graphene for improved sodium ion batteries. Journal of Materials Chemistry A, 2015, 3, 17563-17568.	10.3	91
22	Hot Brownian thermometry and cavity-enhanced harmonic generation with nonlinear optical nanowires. Chemical Physics Letters, 2015, 639, 310-314.	2.6	6
23	Laser refrigeration of hydrothermal nanocrystals in physiological media. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15024-15029.	7.1	82
24	Formation of nanoporous copper through dealloying of dual-phase Cuâ€“Mnâ€“Al alloy: The evolution of microstructure and composition. Journal of Materials Research, 2012, 27, 2771-2778.	2.6	8
25	Spectroscopic signatures of many-body interactions and delocalized states in self-assembled lateral quantum dot molecules. Physical Review B, 2011, 84, .	3.2	18
26	Amorphous NbO films prepared by reactive evaporation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 3349-3351.	2.1	3
27	Thermodynamics and growth kinetical consideration of metal-nitride formation by nitrogen implantation. Physica Status Solidi A, 1989, 113, 11-22.	1.7	29
28	Direct Imaging of The Lattice In Poly(Phthalocyaninato-Germoxane) Single Crystals. Molecular Crystals and Liquid Crystals, 1985, 118, 357-360.	0.8	8