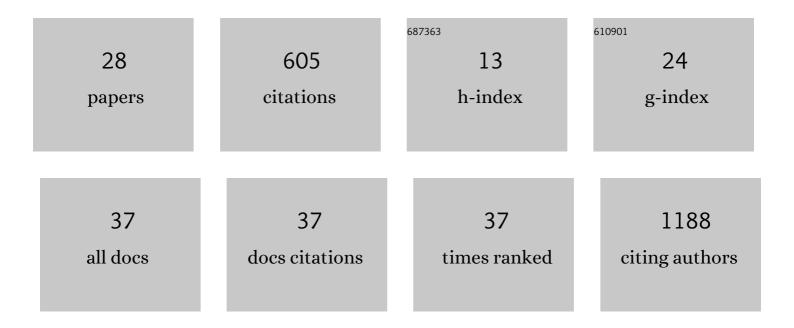
## Xuezhe Zhou

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Reply to Comment on "A 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 Yb <sup>3+</sup> , Er <sup>3+</sup> Co-doped Single NaYF <sub>4</sub> 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 dichalcogenide–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 Sodium–Yttrium–Fluoride Nanowires. Advanced Materials, 2016, 28, 8658-8662.	21.0	48
18	Corrosion Behaviour of Al–4Mg–1Cu (wt%) Microalloyed with Si and Ag. Advanced Engineering Materials, 2015, 17, 1670-1674.	3.5	4

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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 Na <sub>3</sub> V <sub>2</sub> O <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F 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 Cu–Mn–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