

# Xiyan Li

## List of Publications by Year in descending order

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33  
papers

3,062  
citations

236925

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377865

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docs citations

34  
times ranked

5371  
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous-wave lasing in colloidal quantum dot solids enabled by facet-selective epitaxy. <i>Nature</i> , 2017, 544, 75-79.	27.8	319
2	Bright colloidal quantum dot light-emitting diodes enabled by efficient chlorination. <i>Nature Photonics</i> , 2018, 12, 159-164.	31.4	303
3	Binary temporal upconversion codes of Mn <sup>2+</sup> -activated nanoparticles for multilevel anti-counterfeiting. <i>Nature Communications</i> , 2017, 8, 899.	12.8	290
4	Synthesis of 3D Hierarchical Fe <sub>3</sub> O <sub>4</sub> /Graphene Composites with High Lithium Storage Capacity and for Controlled Drug Delivery. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21567-21573.	3.1	288
5	Defect-Rich Nitrogen Doped Co <sub>3</sub> O <sub>4</sub> /C Porous Nanocubes Enable High Efficiency Bifunctional Oxygen Electrocatalysis. <i>Advanced Functional Materials</i> , 2019, 29, 1902875.	14.9	233
6	All-Inorganic Quantum Dot LEDs Based on a Phase-Stabilized $\pm$ CsPb <sub>3</sub> Perovskite. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16164-16170.	13.8	210
7	Chemically Addressable Perovskite Nanocrystals for Light-Emitting Applications. <i>Advanced Materials</i> , 2017, 29, 1701153.	21.0	139
8	Selectively Deposited Noble Metal Nanoparticles on Fe <sub>3</sub> O <sub>4</sub> /Graphene Composites: Stable, Recyclable, and Magnetically Separable Catalysts. <i>Chemistry - A European Journal</i> , 2012, 18, 7601-7607.	3.3	126
9	Bi <sub>2</sub> Te <sub>3</sub> nanoplates and nanoflowers: Synthesized by hydrothermal process and their enhanced thermoelectric properties. <i>CrystEngComm</i> , 2012, 14, 2159.	2.6	125
10	Chloride Insertion-Immobilization Enables Bright, Narrowband, and Stable Blue-Emitting Perovskite Diodes. <i>Journal of the American Chemical Society</i> , 2020, 142, 5126-5134.	13.7	116
11	Multifunctional quantum dot DNA hydrogels. <i>Nature Communications</i> , 2017, 8, 381.	12.8	104
12	Hierarchically structured Fe <sub>3</sub> O <sub>4</sub> microspheres: morphology control and their application in wastewater treatment. <i>CrystEngComm</i> , 2011, 13, 642-648.	2.6	80
13	Multiple Self-Trapped Emissions in the Lead-Free Halide Cs <sub>3</sub> Cu <sub>2</sub> I <sub>5</sub> . <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4326-4330.	4.6	79
14	Direct hydrothermal synthesis of single-crystalline triangular Fe <sub>3</sub> O <sub>4</sub> nanoprisms. <i>CrystEngComm</i> , 2010, 12, 2060.	2.6	68
15	Energy Migration Upconversion in Manganese(II)-Doped Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13312-13317.	13.8	64
16	Regioselective magnetization in semiconducting nanorods. <i>Nature Nanotechnology</i> , 2020, 15, 192-197.	31.5	51
17	Halogen Vacancies Enable Ligand-Assisted Self-Assembly of Perovskite Quantum Dots into Nanowires. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16077-16081.	13.8	49
18	Cellulose Nanocrystal:Polymer Hybrid Optical Diffusers for Index-Matching-Free Light Management in Optoelectronic Devices. <i>Advanced Optical Materials</i> , 2017, 5, 1700430.	7.3	43

#	ARTICLE	IF	CITATIONS
19	Rhombic dodecahedral Fe <sub>3</sub> O <sub>4</sub> : ionic liquid-modulated and microwave-assisted synthesis and their magnetic properties. CrystEngComm, 2011, 13, 6017.	2.6	41
20	Hedgehog-Like Upconversion Crystals: Controlled Growth and Molecular Sensing at Single-Particle Level. Advanced Materials, 2017, 29, 1702315.	21.0	38
21	Design of Phosphor White Light Systems for High-Power Applications. ACS Photonics, 2016, 3, 2243-2248.	6.6	37
22	Programmable Metal/Semiconductor Nanostructures for mRNA-Modulated Molecular Delivery. Nano Letters, 2018, 18, 6222-6228.	9.1	36
23	Hydrothermal synthesis and upconversion photoluminescence properties of lanthanide doped YF <sub>3</sub> sub-microflowers. CrystEngComm, 2010, 12, 3537.	2.6	31
24	Facile Synthesis and Thermoelectric Properties of Self-Assembled Bi <sub>2</sub> Te <sub>3</sub> One-Dimensional Nanorod Bundles. Chemistry - A European Journal, 2013, 19, 2889-2894.	3.3	29
25	Multifunctional nanostructures based on porous silica covered Fe <sub>3</sub> O <sub>4</sub> @CeO <sub>2</sub> -Pt composites: a thermally stable and magnetically-recyclable catalyst system. Chemical Communications, 2014, 50, 7198.	4.1	29
26	Single-step-fabricated disordered metasurfaces for enhanced light extraction from LEDs. Light: Science and Applications, 2021, 10, 180.	16.6	23
27	High-Brightness, Broad-Spectrum White Organic Electroluminescent Device Obtained by Designing Light-Emitting Layers as also Carrier Transport Layers. Journal of Physical Chemistry C, 2010, 114, 21723-21727.	3.1	17
28	Quantum Dot Color-Converting Solids Operating Efficiently in the kW/cm <sup>2</sup> Regime. Chemistry of Materials, 2017, 29, 5104-5112.	6.7	17
29	Halogen Vacancies Enable Ligand-Assisted Self-Assembly of Perovskite Quantum Dots into Nanowires. Angewandte Chemie, 2019, 131, 16223-16227.	2.0	16
30	Self-assembled 3D flower-like hierarchical Fe <sub>3</sub> O <sub>4</sub> /KxMnO <sub>2</sub> core-shell architectures and their application for removal of dye pollutants. CrystEngComm, 2012, 14, 2866.	2.6	14
31	Facile synthesis of Pt <sub>3</sub> Sn/graphene nanocomposites and their catalysis for electro-oxidation of methanol. CrystEngComm, 2012, 14, 7137.	2.6	14
32	InP-Quantum-Dot-in-ZnS-Matrix Solids for Thermal and Air Stability. Chemistry of Materials, 2020, 32, 9584-9590.	6.7	8
33	All-Inorganic Quantum-Dot LEDs Based on a Phase-Stabilized CsPbI <sub>3</sub> Perovskite. Angewandte Chemie, 2021, 133, 16300-16306.	2.0	1