

# Chen Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2317523/publications.pdf>

Version: 2024-02-01

39  
papers

2,257  
citations

471509

17  
h-index

345221

36  
g-index

42  
all docs

42  
docs citations

42  
times ranked

4175  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dopamine as a Carbon Source: The Controlled Synthesis of Hollow Carbon Spheres and Yolk-Structured Carbon Nanocomposites. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6799-6802.	13.8	674
2	Core-shell Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> nanoparticles synthesized with well-dispersed hydrophilic Fe <sub>3</sub> O <sub>4</sub> seeds. <i>Nanoscale</i> , 2011, 3, 701-705.	5.6	284
3	Large-Scale Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Soluble in Water Synthesized by a Facile Method. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11336-11339.	3.1	264
4	Grain-Boundary-Enhanced Carrier Collection in CdTe Solar Cells. <i>Physical Review Letters</i> , 2014, 112, 156103.	7.8	258
5	From atomic structure to photovoltaic properties in CdTe solar cells. <i>Ultramicroscopy</i> , 2013, 134, 113-125.	1.9	80
6	Direct Imaging of Cl <sup>-</sup> and Cu <sup>+</sup> -Induced Short-Circuit Efficiency Changes in CdTe Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400454.	19.5	79
7	In-depth analysis of chloride treatments for thin-film CdTe solar cells. <i>Nature Communications</i> , 2016, 7, 13231.	12.8	74
8	Molecular structure of vapor-deposited amorphous selenium. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	68
9	An improved FIB sample preparation technique for site-specific plan-view specimens: A new cutting geometry. <i>Ultramicroscopy</i> , 2018, 184, 310-317.	1.9	57
10	Physics of grain boundaries in polycrystalline photovoltaic semiconductors. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	52
11	Carrier Separation at Dislocation Pairs in CdTe. <i>Physical Review Letters</i> , 2013, 111, 096403.	7.8	51
12	Recyclable oleic acid modified magnetic NiFe <sub>2</sub> O <sub>4</sub> nanoparticles for catalytic aquathermolysis of Liaohe heavy oil. <i>Fuel</i> , 2017, 200, 193-198.	6.4	38
13	Understanding individual defects in CdTe thin-film solar cells via STEM: From atomic structure to electrical activity. <i>Materials Science in Semiconductor Processing</i> , 2017, 65, 64-76.	4.0	36
14	Nanoscale doping profiles within CdTe grain boundaries and at the CdS/CdTe interface revealed by atom probe tomography and STEM EBIC. <i>Solar Energy Materials and Solar Cells</i> , 2016, 150, 95-101.	6.2	35
15	S <sup>2-</sup> Te Interdiffusion within Grains and Grain Boundaries in CdTe Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2014, 4, 1636-1643.	2.5	28
16	Developing Lattice Matched ZnMgSe Shells on InZnP Quantum Dots for Phosphor Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 3859-3867.	5.0	23
17	Patterned boron nanowires and field emission properties. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	17
18	Surface-enhanced Raman scattering properties of highly ordered self-assemblies of gold nanorods with different aspect ratios. <i>Chinese Physics B</i> , 2011, 20, 076103.	1.4	13

#	ARTICLE	IF	CITATIONS
19	Synthesis of monodisperse CoPt <sub>3</sub> nanocrystals and their catalytic behavior for growth of boron nanowires. Nano Research, 2011, 4, 780-787.	10.4	12
20	Fabrication of patterned boron carbide nanowires and their electrical, field emission, and flexibility properties. Nano Research, 2012, 5, 896-902.	10.4	12
21	Direct Electronic Property Imaging of a Nanocrystal-Based Photovoltaic Device by Electron Beam-Induced Current via Scanning Electron Microscopy. Journal of Physical Chemistry Letters, 2014, 5, 856-860.	4.6	12
22	A simple method to clean ligand contamination on TEM grids. Ultramicroscopy, 2021, 221, 113195.	1.9	12
23	Atomic-scale tuning of self-assembled ZnO microscopic patterns: from dendritic fractals to compact island. Nanoscale, 2010, 2, 2557.	5.6	11
24	Synthesis and properties of Au <sup>3+</sup> O <sup>4-</sup> and Ag <sup>3+</sup> O <sup>4-</sup> heterodimeric nanoparticles. Chinese Physics B, 2010, 19, 066102.	1.4	10
25	Stacking fault reduction during annealing in Cu-poor CuInSe <sub>2</sub> thin film solar cell absorbers analyzed by <i>in situ</i> XRD and grain growth modeling. Journal of Applied Physics, 2019, 125, .	2.5	10
26	Field emission properties of patterned boron nanocones. Nanotechnology, 2010, 21, 325705.	2.6	7
27	Column-by-column observation of dislocation motion in CdTe: Dynamic scanning transmission electron microscopy. Applied Physics Letters, 2016, 109, .	3.3	6
28	The structure of a propagating MgAl <sub>2</sub> O <sub>4</sub> /MgO interface: linked atomic- and 1/4m-scale mechanisms of interface motion. Philosophical Magazine, 2016, 96, 2488-2503.	1.6	6
29	Tuning field emission properties of boron nanocones with catalyst concentration. Chinese Physics B, 2011, 20, 037903.	1.4	5
30	Structure evolution of h.c.p./c.c.p. metal oxide interfaces in solid-state reactions. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, 466-480.	0.1	5
31	Secondary-Phase-Assisted Grain Boundary Migration in CuInSe <sub>2</sub> . Physical Review Letters, 2020, 124, 095702.	7.8	5
32	In-situ observations of recrystallization in CuInSe <sub>2</sub> solar cells via STEM. Microscopy and Microanalysis, 2018, 24, 1492-1493.	0.4	4
33	Core Structures of Dislocations within CdTe Grains. Materials Research Society Symposia Proceedings, 2013, 1526, 1.	0.1	3
34	Shuffling Atomic Layer Deposition Gas Sequences to Modulate Bimetallic Thin Films and Nanoparticle Properties. Chemistry of Materials, 2022, 34, 6142-6154.	6.7	3
35	Influence of Si Co-doping on electrical transport properties of magnesium-doped boron nanowires. Applied Physics Letters, 2012, 100, 103112.	3.3	2
36	APT mass spectrometry and SEM data for CdTe solar cells. Data in Brief, 2016, 7, 779-785.	1.0	1

#	ARTICLE	IF	CITATIONS
37	Fabrication of patterned boron-based nanowires and their field emission properties. , 2015, , .		0
38	Atomic Structure and Properties of Dislocations and Grain Boundaries. , 2016, , .		0
39	Hole-Induced Spontaneous Mutual Annihilation of Dislocation Pairs. Journal of Physical Chemistry Letters, 2019, 10, 7421-7425.	4.6	0