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	471371 17 h-index	345118 36 g-index
42 all docs	42 docs citations	42 times ranked	4175 citing authors

#	Article	IF	Citations
1	Shuffling Atomic Layer Deposition Gas Sequences to Modulate Bimetallic Thin Films and Nanoparticle Properties. Chemistry of Materials, 2022, 34, 6142-6154.	3.2	3
2	A simple method to clean ligand contamination on TEM grids. Ultramicroscopy, 2021, 221, 113195.	0.8	12
3	Developing Lattice Matched ZnMgSe Shells on InZnP Quantum Dots for Phosphor Applications. ACS Applied Nano Materials, 2020, 3, 3859-3867.	2.4	23
4	Secondary-Phase-Assisted Grain Boundary Migration in CuInSe2. Physical Review Letters, 2020, 124, 095702.	2.9	5
5	Stacking fault reduction during annealing in Cu-poor CuInSe2 thin film solar cell absorbers analyzed by in situ XRD and grain growth modeling. Journal of Applied Physics, 2019, 125, .	1.1	10
6	Hole-Induced Spontaneous Mutual Annihilation of Dislocation Pairs. Journal of Physical Chemistry Letters, 2019, 10, 7421-7425.	2.1	0
7	An improved FIB sample preparation technique for site-specific plan-view specimens: A new cutting geometry. Ultramicroscopy, 2018, 184, 310-317.	0.8	57
8	In-situ observations of recrystallization in CuInSe2 solar cells via STEM. Microscopy and Microanalysis, 2018, 24, 1492-1493.	0.2	4
9	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.	0.0	5
10	Recyclable oleic acid modified magnetic NiFe2O4 nanoparticles for catalytic aquathermolysis of Liaohe heavy oil. Fuel, 2017, 200, 193-198.	3.4	38
11	Understanding individual defects in CdTe thin-film solar cells via STEM: From atomic structure to electrical activity. Materials Science in Semiconductor Processing, 2017, 65, 64-76.	1.9	36
12	Atomic Structure and Properties of Dislocations and Grain Boundaries. , 2016, , .		0
13	Molecular structure of vapor-deposited amorphous selenium. Journal of Applied Physics, 2016, 120, .	1.1	68
14	Column-by-column observation of dislocation motion in CdTe: Dynamic scanning transmission electron microscopy. Applied Physics Letters, 2016, 109, .	1.5	6
15	APT mass spectrometry and SEM data for CdTe solar cells. Data in Brief, 2016, 7, 779-785.	0.5	1
16	The structure of a propagating MgAl₂O₄/MgO interface: linked atomic- and Î¼m-scale mechanisms of interface motion. Philosophical Magazine, 2016, 96, 2488-2503.	0.7	6
17	In-depth analysis of chloride treatments for thin-film CdTe solar cells. Nature Communications, 2016, 7, 13231.	5.8	74
18	Nanoscale doping profiles within CdTe grain boundaries and at the CdS/CdTe interface revealed by atom probe tomography and STEM EBIC. Solar Energy Materials and Solar Cells, 2016, 150, 95-101.	3.0	35

#	Article	IF	Citations
19	Physics of grain boundaries in polycrystalline photovoltaic semiconductors. Journal of Applied Physics, 2015, 117, .	1.1	52
20	Fabrication of patterned boron-based nanowires and their field emission properties. , 2015, , .		0
21	Sâ€“Te Interdiffusion within Grains and Grain Boundaries in CdTe Solar Cells. IEEE Journal of Photovoltaics, 2014, 4, 1636-1643.	1.5	28
22	Grain-Boundary-Enhanced Carrier Collection in CdTe Solar Cells. Physical Review Letters, 2014, 112, 156103.	2.9	258
23	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.	2.1	12
24	Direct Imaging of Clâ€•and Cuâ€‐Induced Shortâ€€Circuit Efficiency Changes in CdTe Solar Cells. Advanced Energy Materials, 2014, 4, 1400454.	10.2	79
25	Carrier Separation at Dislocation Pairs in CdTe. Physical Review Letters, 2013, 111, 096403.	2.9	51
26	From atomic structure to photovoltaic properties in CdTe solar cells. Ultramicroscopy, 2013, 134, 113-125.	0.8	80
27	Core Structures of Dislocations within CdTe Grains. Materials Research Society Symposia Proceedings, 2013, 1526, 1.	0.1	3
28	Influence of Si Co-doping on electrical transport properties of magnesium-doped boron nanoswords. Applied Physics Letters, 2012, 100, 103112.	1.5	2
29	Fabrication of patterned boron carbide nanowires and their electrical, field emission, and flexibility properties. Nano Research, 2012, 5, 896-902.	5.8	12
30	Core-shell Fe₃O₄@SiO₂nanoparticles synthesized with well-dispersed hydrophilic Fe₃O₄seeds. Nanoscale, 2011, 3, 701-705.	2.8	284
31	Synthesis of monodisperse CoPt3 nanocrystals and their catalytic behavior for growth of boron nanowires. Nano Research, 2011, 4, 780-787.	5.8	12
32	Dopamine as a Carbon Source: The Controlled Synthesis of Hollow Carbon Spheres and Yolkâ€“Structured Carbon Nanocomposites. Angewandte Chemie - International Edition, 2011, 50, 6799-6802.	7.2	674
33	Tuning field emission properties of boron nanocones with catalyst concentration. Chinese Physics B, 2011, 20, 037903.	0.7	5
34	Surface-enhanced Raman scattering properties of highly ordered self-assemblies of gold nanorods with different aspect ratios. Chinese Physics B, 2011, 20, 076103.	0.7	13
35	Synthesis and properties of Auâ€“Fe ₃ O ₄ and Agâ€“Fe ₃ O ₄ heterodimeric nanoparticles. Chinese Physics B, 2010, 19, 066102.	0.7	10
36	Field emission properties of patterned boron nanocones. Nanotechnology, 2010, 21, 325705.	1.3	7

#	Article	IF	Citations
37	Atomic-scale tuning of self-assembled ZnO microscopic patterns: from dendritic fractals to compact island. Nanoscale, 2010, 2, 2557.	2.8	11
38	Patterned boron nanowires and field emission properties. Applied Physics Letters, 2009, 94, .	1.5	17
39	Large-Scale Fe₃O₄Nanoparticles Soluble in Water Synthesized by a Facile Method. Journal of Physical Chemistry C, 2008, 112, 11336-11339.	1.5	264