

Chaoping Liu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Amorphous CdO-In ₂ O ₃ alloy thin films with high conductivity and transparency synthesized by sol-gel method. Journal of Alloys and Compounds, 2022, 893, 162341.	5.5	5
2	Doping limitation due to self-compensation by native defects in In-doped rocksalt Cd _x Zn _{1-\hat{x}} O. Journal of Physics Condensed Matter, 2022, 34, 065702.	1.8	1
3	Controlling electrical and optical properties of wurtzite Cd _x Zn _{1-\hat{x}} O with high Cd contents via native defects manipulation by low-temperature annealing. Journal of Applied Physics, 2022, 131, .	2.5	1
4	Effects of oxygen flow ratio and thermal annealing on defect evolution of aluminum doped zinc oxide thin films by reactive DC magnetron sputtering. Journal of Physics Condensed Matter, 2021, 33, 465703.	1.8	6
5	Effects of free carriers on the optical properties of high mobility transition metal doped ZnO transparent conductors. Physical Review Materials, 2021, 5, .	2.4	7
6	Band alignment of wide bandgap NiO/MoO ₃ and NiO/WO ₃ p-n heterojunctions studied by high-resolution X-ray photoelectron spectroscopy. Journal of Alloys and Compounds, 2021, 876, 160136.	5.5	13
7	Controllable optical emission wavelength in all-inorganic halide perovskite alloy microplates grown by two-step chemical vapor deposition. Nano Research, 2020, 13, 2939-2949.	10.4	18
8	Vacancy defects induced changes in the electronic and optical properties of NiO studied by spectroscopic ellipsometry and first-principles calculations. Journal of Applied Physics, 2020, 128, .	2.5	42
9	Controlling the p-Type Conductivity and Composition Range for Bipolar Conduction in Ni _x Cd _{1-\hat{x}} O Alloys by Acceptor Doping. Journal of Physical Chemistry C, 2020, 124, 20000-20009.	3.1	8
10	Wide-Gap Zn _{1-x} O Alloy: A Transparent p-Type Oxide. Physical Review Applied, 2020, 13, .	3.8	17
11	Efficient p-type doping of sputter-deposited NiO thin films with Li, Ag, and Cu acceptors. Physical Review Materials, 2020, 4, .	2.4	19
12	Sol-gel synthesis of highly transparent and conducting Cadmium Oxide. , 2019, , .		0
13	Stoichiometry Controlled Bipolar Conductivity in Nanocrystalline Ni _x Cd _{1-x} O. Physical Review Applied, 2019, 11, .	1.8	11
14	ZnO _{1-\hat{x}} highly mismatched alloys beyond the dilute alloy limit: Synthesis and electronic band structure. Journal of Applied Physics, 2019, 125, 155702.	2.5	13
15	Effects of oxygen stoichiometry on the phase stability of sputter-deposited ZnO _{1-\hat{x}} C _x alloys. Physical Review Applied, 2019, 11, .	2.4	8
16	Room-Temperature-Synthesized High-Mobility Transparent Amorphous CdO _{1-\hat{x}} Ga ₂ O ₃ Alloys with Widely Tunable Electronic Bands. ACS Applied Materials & Interfaces, 2018, 10, 7239-7247.	8.0	24
17	Room-Temperature Red-Green-Blue Whispering-Gallery Mode Lasing and White-Light Emission from Cesium Lead Halide Perovskite (CsPbX ₃ , X = Cl, Br, I) Microstructures. Advanced Optical Materials, 2018, 6, 1700993.	7.3	47
18	Engineering Electronic Band Structure of Indium-doped Cd _{1-\hat{x}} Mg _x O Alloys for Solar Power Conversion Applications. Energy Technology, 2018, 6, 122-126.	3.8	5

#	ARTICLE	IF	CITATIONS
19	High mobility transparent amorphous CdO-In ₂ O ₃ alloy films synthesized at room temperature. Applied Physics Letters, 2017, 111, .	3.3	12
20	A comparative study on the electronic and optical properties of Sb ₂ Se ₃ thin film. Semiconductors, 2017, 51, 1615-1624.	0.5	25
21	Defects and properties of cadmium oxide based transparent conductors. Journal of Applied Physics, 2016, 119, .	2.5	32
22	Effects of Free Carriers on the Optical Properties of Doped CdO for Full-Spectrum Photovoltaics. Physical Review Applied, 2016, 6, .	3.8	54
23	Integrated Nanorods and Heterostructure Field Effect Transistors for Gas Sensing. Journal of Physical Chemistry C, 2010, 114, 7999-8004.	3.1	16