

Yi Zhang

List of Publications by Year in descending order

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4,597
citations

108046

37
h-index

162838

57
g-index

171
all docs

171
docs citations

171
times ranked

4242
citing authors

#	ARTICLE	IF	CITATIONS
1	Li ⁺ doping induced zero-thermal quenching in Cs ₃ Zn ₆ Eu _{0.10} Li _{0.06} (0.10, 0.06). Journal of Rare Earths, 2023, 41, 1478-1486.	2.5	1
2	Interfacial Engineering of Wide-Bandgap Perovskites for Efficient Perovskite/CZTSSe Tandem Solar Cells. Advanced Functional Materials, 2022, 32, 2107359.	7.8	43
3	Optimization of the Selenization Pressure Enabling Efficient Cu ₂ ZnSn(S,Se) ₄ Solar Cells. Solar Rrl, 2022, 6, .	3.1	8
4	Efficiency improvement of electrodeposition-processed Cu(In,Ga)Se ₂ solar cell with widen surface bandgap by spin-coating In ₂ S ₃ thin film. Applied Surface Science, 2022, 578, 152063.	3.1	7
5	Band-gap-graded Cu ₂ ZnSn(S,Se) ₄ drives highly efficient solar cells. Energy and Environmental Science, 2022, 15, 693-704.	15.6	74
6	Interface Etching Leads to the Inversion of the Conduction Band Offset between the CdS/Sb ₂ Se ₃ Heterojunction and High-Efficient Sb ₂ Se ₃ Solar Cells. ACS Applied Energy Materials, 2022, 5, 2531-2541.	2.5	18
7	Oxygen vacancy content drives self-reduction and anti-thermal quenching. Journal of Materials Chemistry C, 2022, 10, 4317-4326.	2.7	20
8	Intense Luminescence and Good Thermal Stability in a Mn ²⁺ -Activated Mg-Based Phosphor with Self-Reduction. Inorganic Chemistry, 2022, 61, 5495-5501.	1.9	13
9	Interface Modification Uncovers the Potential Application of SnO ₂ /TiO ₂ Double Electron Transport Layer in Efficient Cadmium-Free Sb ₂ Se ₃ Devices. Advanced Materials Interfaces, 2022, 9, .	1.9	14
10	Al-doped ZnO thin films with excellent optoelectronic properties prepared using H ₂ -assisted reactive magnetron sputtering at low temperatures for potential application in photovoltaic devices. Journal of Materials Science: Materials in Electronics, 2022, 33, 10267-10277.	1.1	1
11	Double interface modification promotes efficient Sb ₂ Se ₃ solar cell by tailoring band alignment and light harvest. Journal of Energy Chemistry, 2022, 70, 191-200.	7.1	11
12	Wide bandgap CIGS thin films via Ag-PDT to ameliorate the interface quality of CIGS/CdS heterojunction. Journal of Materials Science: Materials in Electronics, 2022, 33, 11055.	1.1	1
13	Tuning the Work Function of the Metal Back Contact toward Efficient Cu ₂ ZnSnSe ₄ Solar Cells. Solar Rrl, 2021, 5, .	3.1	13
14	Promising Cd-free double buffer layer in CZTSSe thin film solar cells. Science China Materials, 2021, 64, 288-295.	3.5	16
15	A promising photovoltaic material Cu ₂ MnSn(S,Se) ₄ : Film growth and its application in solar cell. Solar Energy Materials and Solar Cells, 2021, 219, 110788.	3.0	9
16	Effect of Cu content in CIGSe absorber on MoSe ₂ formation during post-selenization process. Materials Science in Semiconductor Processing, 2021, 121, 105275.	1.9	6
17	Pulsed rapid thermal process for tailoring the surface sulfurization of CIGSe thin film at low temperature. Solar Energy Materials and Solar Cells, 2021, 221, 110871.	3.0	2
18	Role of Intrinsic Surface States in Efficiency Attenuation of GaN-Based Micro-Light-Emitting Diodes. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2000487.	1.2	18

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19	Back contact modification of the optoelectronic device with transition metal dichalcogenide VSe ₂ film drives solar cell efficiency. <i>Journal of Materiomics</i> , 2021, 7, 470-477.	2.8	10
20	Na-doping-induced modification of the Cu ₂ ZnSn(S,Se) ₄ /CdS heterojunction towards efficient solar cells. <i>Journal of Energy Chemistry</i> , 2021, 57, 618-626.	7.1	32
21	Intrinsic and extrinsic defects build a novel mechanoluminescent phosphor Na ₂ MgGeO ₄ :Mn ²⁺ . <i>Journal of Materials Chemistry C</i> , 2021, 9, 3513-3521.	2.7	28
22	Construction of a novel mechanoluminescent phosphor Li ₂ MgGeO ₄ :Mn ²⁺ by defect control. <i>Dalton Transactions</i> , 2021, 50, 8803-8810.	1.6	16
23	Defects and Surface Electrical Property Transformation Induced by Elemental Interdiffusion at the p-n Heterojunction via High-Temperature Annealing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 12211-12220.	4.0	25
24	Enhancing Surface Properties for Electrodeposited Cu(In,Ga)Se ₂ Films by (NH ₄) ₂ S Solution at Room Temperature. <i>ACS Applied Energy Materials</i> , 2021, 4, 3822-3831.	2.5	7
25	Boosting V _{OC} of antimony chalcogenide solar cells: A review on interfaces and defects. <i>Nano Select</i> , 2021, 2, 1818-1848.	1.9	66
26	Defect Control for High-Efficiency Cu ₂ ZnSn(S,Se) ₄ Solar Cells by Atomic Layer Deposition of Al ₂ O ₃ on Precursor Film. <i>Solar Rrl</i> , 2021, 5, 2100181.	3.1	21
27	New Solution-Processed Surface Treatment to Improve the Photovoltaic Properties of Electrodeposited Cu(In,Ga)Se ₂ (CIGSe) Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 25451-25460.	4.0	5
28	Oxygen Promotes the Formation of MoSe ₂ at the Interface of Cu ₂ ZnSnSe ₄ /Mo. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4447-4452.	2.1	8
29	Defect-Induced Self-Reduction and Anti-Thermal Quenching in NaZn(PO ₃) ₃ :Mn ²⁺ Red Phosphor. <i>Advanced Optical Materials</i> , 2021, 9, 2100870.	3.6	69
30	Effect of MoS ₂ interlayer on performances of copper-barium-tin-sulfur thin film solar cells via theoretical simulation. <i>Solar Energy</i> , 2021, 223, 384-397.	2.9	15
31	Pulse Selenization in Cu(In,Ga)Se ₂ Solar Cells: A Promising Approach to Achieve High Efficiency by Electrodeposition. <i>ACS Applied Energy Materials</i> , 2021, 4, 8322-8329.	2.5	1
32	Band alignment tuning at Mo/CZTS back contact interface through surface oxidation states control of Mo substrate. <i>Solar Energy Materials and Solar Cells</i> , 2021, 229, 111141.	3.0	9
33	Enhancing the Photovoltaic Performance of Cu ₂ ZnSn(S,Se) ₄ Solar Cells with Ba Trace Doping: Large Chemical Mismatch Cation Incorporation. <i>Solar Rrl</i> , 2021, 5, 2100607.	3.1	7
34	High-efficiency ultra-thin Cu ₂ ZnSnS ₄ solar cells by double-pressure sputtering with spark plasma sintered quaternary target. <i>Journal of Energy Chemistry</i> , 2021, 61, 186-194.	7.1	20
35	Li ₂ S doping into CZTSe drives the large improvement of VOC of solar cell. <i>Journal of Energy Chemistry</i> , 2021, 62, 637-644.	7.1	15
36	N-type Surface Design for p-type CZTSSe Thin Film to Attain High Efficiency. <i>Advanced Materials</i> , 2021, 33, e2104330.	11.1	49

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37	Investigation on the Structure and Morphology of CZTSe Solar Cells by Adjusting Cu-Ge Buffer Layers. ACS Applied Energy Materials, 2021, 4, 11793-11801.	2.5	6
38	Remarkable Sb ₂ Se ₃ Solar Cell with a Carbon Electrode by Tailoring Film Growth during the VTD Process. ACS Applied Energy Materials, 2021, 4, 13335-13346.	2.5	20
39	Remarkable Cd-free Sb ₂ Se ₃ solar cell yield achieved by interface band-alignment and growth orientation screening. Journal of Materials Chemistry A, 2021, 9, 26963-26975.	5.2	17
40	Self-Reduction-Related Defects, Long Afterglow, and Mechanoluminescence in Centrosymmetric Li ₂ ZnGeO ₄ :Mn ²⁺ . Inorganic Chemistry, 2021, 60, 18432-18441.	1.9	33
41	An efficient Li ⁺ -doping strategy to optimize the band alignment of a Cu ₂ ZnSn(S,Se) ₄ /CdS interface by a Se&LiF co-selenization process. Journal of Materials Chemistry A, 2020, 8, 22065-22074.	5.2	51
42	Advances in kesterite Cu ₂ ZnSn(S, Se) ₄ solar cells. Science Bulletin, 2020, 65, 698-701.	4.3	49
43	Efficiency Enhancement of CIGS Solar Cells via Recombination Passivation. ACS Applied Energy Materials, 2020, 3, 9459-9467.	2.5	13
44	A Novel Metal Precursor Structure for Electrodepositing Ultrathin CIGSe Thin-Film Solar Cell with High Efficiency. ACS Applied Materials & Interfaces, 2020, 12, 24403-24410.	4.0	14
45	Nanoscale Surface Electrical Properties Tailored by Room-Temperature Sulfurization for High-Efficient CZTSe Solar Cells. Advanced Materials Interfaces, 2020, 7, 2000564.	1.9	15
46	Over 10% Efficient Pure CZTSe Solar Cell Fabricated by Electrodeposition with Ge Doping. Solar Rrl, 2020, 4, 2000059.	3.1	27
47	Recent Progress on Cu ₂ BaSn(S x Se) ₄ : From Material to Solar Cell Applications. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000060.	0.8	4
48	Intense green elasto-mechanoluminescence from KZn(PO ₃) ₃ :Tb ³⁺ . Applied Physics Letters, 2020, 116, .	1.5	14
49	Interstitial oxygen defect induced mechanoluminescence in KCa(PO ₃) ₃ :Mn ²⁺ . Journal of Materials Chemistry C, 2020, 8, 6587-6594.	2.7	25
50	Current improvement in substrate structured Sb ₂ S ₃ solar cells with MoSe ₂ interlayer. Chinese Physics B, 2020, 29, 058801.	0.7	6
51	10.1063/1.5134712.1., 2020, , .		0
52	Electrodeposition of Cu thin film assisted by Cu nanoparticles for Cu ₂ ZnSnSe ₄ solar cell applications. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	3
53	Engineering CIGS grains qualities to achieve high efficiency in ultrathin Cu(In Ga) _{1-x} Se ₂ solar cells with a single-gradient band gap profile. Results in Physics, 2019, 12, 704-711.	2.0	37
54	Reactive Mechanism of Cu ₂ ZnSnSe ₄ Thin Films Prepared by Reactive Annealing of the Cu/Zn Metal Layer in a SnSex + Se Atmosphere. Crystals, 2019, 9, 10.	1.0	14

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55	Two-step growth of VSe_2 films and their photoelectric properties*. Chinese Physics B, 2019, 28, 058101.	0.7	8
56	Coexistence of self-reduction from Mn^{4+} to Mn^{2+} and elasto-mechanoluminescence in diphase $KZn(PO_3)_3:Mn^{2+}$. Journal of Materials Chemistry C, 2019, 7, 7096-7103.	2.7	43
57	Optimizing the thickness of sputtering-Zn(O, S) buffer layer for all-dry Cd-free CIGS solar cells. Materials Research Express, 2019, 6, 086431.	0.8	8
58	Synergistic effect of Na and Se on CZTSe solar cells through a soft chemical process. Solar Energy Materials and Solar Cells, 2019, 198, 35-43.	3.0	20
59	Insight into band alignment of Zn(O,S)/CZTSe solar cell by simulation. Chinese Physics B, 2019, 28, 048801.	0.7	9
60	Formation of the front-gradient bandgap in the Ag doped CZTSe thin films and solar cells. Journal of Energy Chemistry, 2019, 35, 188-196.	7.1	35
61	Substrate structured Sb_2S_3 thin film solar cells fabricated by rapid thermal evaporation method. Solar Energy, 2019, 182, 64-71.	2.9	49
62	Over 6% Certified $Sb_2(S,Se)_3$ Solar Cells Fabricated via In Situ Hydrothermal Growth and Postselenization. Advanced Electronic Materials, 2019, 5, 1800683.	2.6	78
63	Room-Temperature Surface Sulfurization for High-Performance Kesterite CZTSe Solar Cells. Solar Rrl, 2019, 3, 1800236.	3.1	21
64	Low-Temperature Growth of Submicron $Cu(In, Ga)Se_2$ Solar Cells Based on Molybdenum Oxide Back Interface Layer. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800378.	0.8	1
65	Hole-selective NiO:Cu contact for NiO/Si heterojunction solar cells. Journal of Alloys and Compounds, 2018, 747, 563-570.	2.8	38
66	Insight into the role of post-annealing in air for high efficient $Cu_2ZnSn(S,Se)_4$ solar cells. Solar Energy Materials and Solar Cells, 2018, 182, 228-236.	3.0	37
67	A Precursor Stacking Strategy to Boost Open-Circuit Voltage of Cu_2ZnSnS_4 Thin-Film Solar Cells. IEEE Journal of Photovoltaics, 2018, 8, 856-863.	1.5	13
68	Interfaces of high-efficiency kesterite Cu_2ZnSnS_4 thin film solar cells. Chinese Physics B, 2018, 27, 018803.	0.7	48
69	Artificial twin-layer configurations of Zn(O,S) films by radio frequency sputtering in all dry processed eco-friendly $Cu(In,Ga)Se_2$ solar cells. Journal Physics D: Applied Physics, 2018, 51, 105502.	1.3	0
70	Cation Substitution in Earth-Abundant Kesterite Photovoltaic Materials. Advanced Science, 2018, 5, 1700744.	5.6	161
71	Thin-Film Solar Cells: Cation Substitution in Earth-Abundant Kesterite Photovoltaic Materials (Adv. Sci.) Tj ETQq1 1 0.784314 rgBT	5.6	31
72	Influence of Cu on Ga diffusion during post-selenizing the electrodeposited Cu/In/Ga metallic precursor process. Solar Energy Materials and Solar Cells, 2018, 182, 92-97.	3.0	11

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73	Path towards high-efficient kesterite solar cells. <i>Journal of Energy Chemistry</i> , 2018, 27, 1040-1053.	7.1	68
74	Adjustment of alkali element incorporations in Cu(In,Ga)Se ₂ thin films with wet chemistry Mo oxide as a hosting reservoir. <i>Solar Energy Materials and Solar Cells</i> , 2018, 174, 16-24.	3.0	28
75	Tailoring Mo(S,Se) ₂ structure for high efficient Cu ₂ ZnSn(S,Se) ₄ solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 176, 302-309.	3.0	37
76	Modified Back Contact Interface of CZTSe Thin Film Solar Cells: Elimination of Double Layer Distribution in Absorber Layer. <i>Advanced Science</i> , 2018, 5, 1700645.	5.6	51
77	Modifying the Hetero-junction Interface of Cu ₂ ZnSnSe ₄ Solar Cells. , 2018, , .		0
78	Morphology Modification of Sn and Zn Metal Thin Films Applied for CZTSe Solar Cell: the Effect of Pulse Current Electrodeposition. , 2018, , .		1
79	Promising Sb ₂ (S,Se) ₃ Solar Cells with High Open Voltage by Application of a TiO ₂ /CdS Double Buffer Layer. <i>Solar Rrl</i> , 2018, 2, 1800208.	3.1	83
80	Efficient Optimization of the Performance of Mn ²⁺ -Doped Kesterite Solar Cell: Machine Learning Aided Synthesis of High Efficient Cu ₂ (Mn,Zn)Sn(S,Se) ₄ Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1800198.	3.1	46
81	Modified crystal quality of Cu(In,Ga)Se ₂ solar cells: Elimination of island-shaped indium layer by pulse current electrodeposition method. <i>Journal of Alloys and Compounds</i> , 2018, 766, 178-185.	2.8	6
82	Analysis of the structure and abnormal photoluminescence of a red-emitting LiMgBO ₃ :Mn ²⁺ phosphor. <i>Dalton Transactions</i> , 2018, 47, 13094-13105.	1.6	20
83	Band bending near grain boundaries of Cu ₂ ZnSn(S,Se) ₄ thin films and its effect on photovoltaic performance. <i>Nano Energy</i> , 2018, 51, 37-44.	8.2	30
84	Improvement of the recombination and infrared light losses by rear surface chemical polishing in silicon heterojunction solar cells. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	5
85	Controllable Growth of Ga Film Electrodeposited from Aqueous Solution and Cu(In,Ga)Se ₂ Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18682-18690.	4.0	21
86	Sm ³⁺ and Eu ³⁺ codoped SrBi ₂ B ₂ O ₇ : a red-emitting phosphor with improved thermal stability. <i>RSC Advances</i> , 2017, 7, 1146-1153.	1.7	43
87	Restraining the Band Fluctuation of CBD-Zn(O,S) Layer: Modifying the Hetero-junction Interface for High Performance Cu ₂ ZnSnSe ₄ Solar Cells With Cd-Free Buffer Layer. <i>Solar Rrl</i> , 2017, 1, 1700075.	3.1	29
88	Effect of different thermo-treatment at relatively low temperatures on the properties of indium-tin-oxide thin films. <i>Thin Solid Films</i> , 2017, 636, 702-709.	0.8	16
89	Tailoring the defects and carrier density for beyond 10% efficient CZTSe thin film solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017, 159, 447-455.	3.0	129
90	Energy transfer between Ce ³⁺ and Tb ³⁺ and the enhanced luminescence of a green phosphor SrB ₂ O ₄ :Ce ³⁺ , Tb ³⁺ , Na ⁺ . <i>Optical Materials Express</i> , 2016, 6, 1172.	1.6	20

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91	Synthesis and performance of Cu ₂ ZnSnS ₄ semiconductor as photocathode for solar water splitting. <i>Journal of Alloys and Compounds</i> , 2016, 688, 923-932.	2.8	38
92	Growth of Cu ₂ ZnSnSe ₄ Film under Controllable Se Vapor Composition and Impact of Low Cu Content on Solar Cell Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10283-10292.	4.0	65
93	Pulse electro-deposition of copper on molybdenum for Cu(In,Ga)Se ₂ and Cu ₂ ZnSnSe ₄ solar cell applications. <i>Journal of Power Sources</i> , 2016, 326, 211-219.	4.0	36
94	Crystal Structure of High-Temperature Phase \hat{I}^2 -NaSrBO ₃ and Photoluminescence of \hat{I}^2 -NaSrBO ₃ :Ce ³⁺ . <i>Inorganic Chemistry</i> , 2016, 55, 6487-6495.	1.9	25
95	10% Efficiency Cu ₂ ZnSn(S,Se) ₄ thin film solar cells fabricated by magnetron sputtering with enlarged depletion region width. <i>Solar Energy Materials and Solar Cells</i> , 2016, 149, 242-249.	3.0	153
96	Comparative study of the role of Ga in CIGS solar cells with different thickness. <i>Thin Solid Films</i> , 2016, 598, 189-194.	0.8	13
97	The influence of pre-heating temperature on the CIGS thin film growth and device performance prepared in cracked-Se atmosphere. <i>Semiconductor Science and Technology</i> , 2015, 30, 105012.	1.0	7
98	Barrier effect of AlN film in flexible Cu(In,Ga)Se ₂ solar cells on stainless steel foil and solar cell. <i>Journal of Alloys and Compounds</i> , 2015, 627, 1-6.	2.8	21
99	A Temporary Barrier Effect of the Alloy Layer During Selenization: Tailoring the Thickness of MoSe ₂ for Efficient Cu ₂ ZnSnSe ₄ Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1402178.	10.2	137
100	Effects of metal ion concentration on electrodeposited CuZnSn film and its application in kesterite Cu ₂ ZnSnS ₄ solar cells. <i>RSC Advances</i> , 2015, 5, 65114-65122.	1.7	23
101	The influence of cracked selenium flux on CIGS thin film growth and device performance prepared by two-step selenization processes. <i>Solar Energy Materials and Solar Cells</i> , 2015, 139, 108-114.	3.0	27
102	Carbon concentration dependent grain growth of Cu ₂ ZnSnS ₄ thin films. <i>RSC Advances</i> , 2015, 5, 20178-20185.	1.7	37
103	Modified co-evaporation process for fabrication of 4 cm × 4 cm large area flexible CIGS thin film solar cells on polyimide substrate. <i>Materials Research Express</i> , 2015, 2, 046403.	0.8	8
104	Structure refinement and one-center luminescence of Eu ³⁺ activated ZnBi ₂ B ₂ O ₇ under UV excitation. <i>Journal of Alloys and Compounds</i> , 2015, 648, 500-506.	2.8	10
105	Abnormal luminescent property of Mn ²⁺ in \hat{I}^2 -LiZnBO ₃ :Mn ²⁺ . <i>Dalton Transactions</i> , 2015, 44, 1427-1434.	1.6	27
106	On the growth process of Cu ₂ ZnSn(S,Se) ₄ absorber layer formed by selenizing Cu ²⁺ Zn ²⁺ SnS precursors and its photovoltaic performance. <i>Solar Energy Materials and Solar Cells</i> , 2015, 132, 363-371.	3.0	45
107	Site occupancy and photoluminescence of Sm ³⁺ in K ₂ (BO ₃) ₃ :Sm ³⁺ phosphors. <i>Optical Materials Express</i> , 2014, 4, 1535.	1.6	37
108	Site occupancy and photoluminescence properties of Eu ³⁺ -activated Ba ₂ ZnB ₂ O ₆ phosphor. <i>RSC Advances</i> , 2014, 4, 64244-64251.	1.7	35

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109	The effects of sodium on the growth of Cu(In,Ga)Se ₂ thin films using low-temperature three-stage process on polyimide substrate. Journal Physics D: Applied Physics, 2014, 47, 045105.	1.3	6
110	Impact of the Electron Transport Layer on the Performance of Solution-Processed Small-Molecule Organic Solar Cells. ChemSusChem, 2014, 7, 2358-2364.	3.6	40
111	Structure and photoluminescence properties of a rare-earth free red-emitting Mn ²⁺ -activated KMgBO ₃ . Dalton Transactions, 2014, 43, 13845-13851.	1.6	67
112	Phase-selective hydrothermal synthesis of Cu ₂ ZnSnS ₄ nanocrystals: the effect of the sulphur precursor. CrystEngComm, 2014, 16, 4306-4313.	1.3	54
113	Preferred orientation of Cu(In,Ga)Se ₂ thin film deposited on stainless steel substrate. Progress in Photovoltaics: Research and Applications, 2013, 21, 838-848.	4.4	8
114	Investigation of Quinquethiophene Derivatives with Different End Groups for High Open Circuit Voltage Solar Cells. Advanced Energy Materials, 2013, 3, 639-646.	10.2	65
115	Structure and photoluminescence properties of K ₂ Sr ₄ (BO ₃) ₃ :Eu ³⁺ red-emitting phosphor. Optical Materials Express, 2012, 2, 92.	1.6	58
116	Structure, morphology and properties of thinned Cu(In, Ga)Se ₂ films and solar cells. Semiconductor Science and Technology, 2012, 27, 035022.	1.0	45
117	Triangle islands and cavities on the surface of evaporated Cu(In, Ga)Se ₂ absorber layer. Applied Surface Science, 2012, 258, 9747-9750.	3.1	7
118	Luminescence and energy transfer of a color tunable phosphor: Dy ³⁺ , Tm ³⁺ , and Eu ³⁺ -coactivated K ₂ Sr ₄ (BO ₃) ₃ for warm white UV LEDs. Journal of Materials Chemistry, 2012, 22, 6463.	6.7	191
119	Controlled synthesis of hierarchical zeolitic imidazolate framework-GIS (ZIF-GIS) architectures. CrystEngComm, 2012, 14, 8280.	1.3	20
120	Effect of Na on lower open circuit voltage of flexible CIGS thin-film solar cells prepared by the low-temperature process. Physica Scripta, 2012, 85, 055806.	1.2	29
121	The role of growth temperature and Se flux on Cu(In,Ga)Se ₂ thin film deposited on a stainless steel substrate and solar cell. Semiconductor Science and Technology, 2012, 27, 065007.	1.0	7
122	Low-temperature preparation of flexible a-Si:H solar cells with hydrogenated nanocrystalline silicon p layer. Vacuum, 2012, 86, 1477-1481.	1.6	6
123	Structural analysis of Cu(In _{1-x} Ga _x)Se ₂ multi-layer thin film solar cells. Wuli Xuebao/Acta Physica Sinica, 2012, 61, 228801.	0.2	1
124	Research on sodium incorporation methods of growing Cu(In-Ga)Se ₂ thin film by low-temperature deposition. Wuli Xuebao/Acta Physica Sinica, 2012, 61, 198801.	0.2	0
125	Finite element simulation and experimental research on ZnO:Al by magnetron sputtering. Thin Solid Films, 2011, 520, 887-890.	0.8	1
126	Dynamic scaling and optical properties of Zn(S, O, OH) thin film grown by chemical bath deposition. Chinese Physics B, 2011, 20, 116802.	0.7	1

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127	Structural study of nonlinear optical borates $K_{1-x}Na_xSr_4(BO_3)_3$ ($x=0.5$). Powder Diffraction, 2010, 25, S11-S16.	0.4	1
128	Influence of negative ion resputtering on Al-doped ZnO thin films prepared by mid-frequency magnetron sputtering. Applied Surface Science, 2010, 256, 1694-1697.	3.1	35
129	Development of textured back reflector for n^+i^+p flexible silicon thin film solar cells. Solar Energy Materials and Solar Cells, 2010, 94, 709-714.	3.0	24
130	ZnS thin film deposited with chemical bath deposition process directed by different stirring speeds. Applied Surface Science, 2010, 256, 6871-6875.	3.1	36
131	New Insight into the Role of the Interfacial Molecular Structure on Growth and Scaling in Organic Heterostructures. Journal of Physical Chemistry C, 2010, 114, 13752-13758.	1.5	20
132	CuInSe ₂ Films Prepared by a Plasma-Assisted Selenization Process in Different Working Pressures. Chinese Physics Letters, 2010, 27, 028101.	1.3	5
133	Structure Determination and Relative Properties of Novel Chiral Orthoborate $KMgBO_3$. Inorganic Chemistry, 2010, 49, 2715-2720.	1.9	36
134	Effect of substrate temperature on the structural and electrical properties of CIGS films based on the one-stage co-evaporation process. Semiconductor Science and Technology, 2010, 25, 055007.	1.0	67
135	Experimental Relation between Stranski-Krastanov Growth of $DIP/F_{16}CoPc$ Heterostructures and the Reconstruction of the Organic Interface. Journal of Physical Chemistry C, 2009, 113, 4234-4239.	1.5	26
136	A thermodynamic assessment of the copper-gallium system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2008, 32, 447-453.	0.7	45
137	Phase relations of the Ag-Ga-N system. Journal of Alloys and Compounds, 2007, 429, 184-191.	2.8	12
138	Subsolidus phase relations of the Cu-Ga-N system. Journal of Alloys and Compounds, 2007, 438, 158-164.	2.8	14
139	Structure Determination of Novel Orthoborate $NaMgBO_3$: A Promising Birefringent Crystal. Inorganic Chemistry, 2007, 46, 5207-5211.	1.9	58
140	The $Na_2O-SrO-B_2O_3$ diagram in the B-rich part and the crystal structure of $NaSrB_5O_9$. Journal of Solid State Chemistry, 2007, 180, 1470-1475.	1.4	28
141	Thermodynamic assessment of the Ag-Ga system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2006, 30, 316-322.	0.7	20
142	Crystallographic and magnetic studies on iron-rich mixed rare-earth intermetallics $(Nd/Tb)_2(Fe/Al)_{17}$. Journal of Alloys and Compounds, 2006, 407, 1-7.	2.8	10
143	Influence of rare earth mixing on structural and magnetic properties of $Nd_{2-x}Er_xFe_{17}$ compounds. Journal of Alloys and Compounds, 2006, 419, 15-20.	2.8	8
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