

# Honglie Shen

## List of Publications by Year in descending order

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139  
papers

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citations

279798

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141  
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141  
docs citations

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times ranked

2745  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of a Charged Al <sub>2</sub> O <sub>3</sub> Film as an Assisting Passivation Layer for a-Si Passivated Contact P-Type Silicon Solar Cells. <i>Silicon</i> , 2022, 14, 3339-3348.	3.3	2
2	Texturization of Diamond Wire Sawn Mc-silicon by Acid Vapor Etching Followed by Acid Solution Post-treatment. <i>Silicon</i> , 2022, 14, 4831-4838.	3.3	1
3	The effect of near-surface electron trapping layer on the acetone sensing performance of black TiO <sub>2</sub> capped with ZnO. <i>Nanotechnology</i> , 2022, 33, 275712.	2.6	3
4	Synthesis and Characterization of Sn/SnO <sub>2</sub> /C Nano-Composite Structure: High-Performance Negative Electrode for Lithium-Ion Batteries. <i>Materials</i> , 2022, 15, 2475.	2.9	1
5	Effect of CZTS/CCZTS Stacked Structures Prepared through Split-Cycle on the Performance of Flexible Solar Cells. <i>ACS Applied Energy Materials</i> , 2022, 5, 3668-3676.	5.1	10
6	Uninterrupted Self-Generation Thermoelectric Power Device Based on the Radiative Cooling Emitter and Solar Selective Absorber. <i>Solar Rrl</i> , 2022, 6, .	5.8	8
7	Near Room-Temperature Synthesis of Vertical Graphene Nanowalls on Dielectrics. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 21348-21355.	8.0	5
8	Heterostructure Silicon Solar Cells with Enhanced Power Conversion Efficiency Based on Si <sub>x</sub> /Ni <sup>3+</sup> Self-Doped NiO <sub>x</sub> Passivating Contact. <i>ACS Omega</i> , 2022, 7, 16494-16501.	3.5	17
9	Self-deformed Si/Graphene@C anode for stress relief in lithium ion batteries. <i>Materials Today Sustainability</i> , 2022, 19, 100165.	4.1	4
10	Synergistic effect of reduced graphene oxide/carbon nanotube hybrid papers on cross-plane thermal and mechanical properties. <i>RSC Advances</i> , 2022, 12, 19144-19153.	3.6	1
11	Highly flexible and sensitive wearable strain and pressure sensor based on porous graphene paper for human motion. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 17637-17648.	2.2	3
12	Effects of ethyl acetate additive on Cu <sub>2</sub> ZnSnS <sub>4</sub> solar cells fabricated with a facile dimethylformamide-based solution coating process. <i>Ceramics International</i> , 2021, 47, 6262-6269.	4.8	6
13	The visible light-driven highly efficient photocatalytic properties of Cu <sub>2</sub> ZnSnS <sub>4</sub> nanoparticles synthesized by a hydrothermal method. <i>New Journal of Chemistry</i> , 2021, 45, 1743-1752.	2.8	19
14	Improving TiO <sub>2</sub> gas sensing selectivity to acetone and other gases via a molecular imprinting method. <i>Nanotechnology</i> , 2021, 32, 155503.	2.6	6
15	Effects of the environmental unilateral shield on radiative cooling performance. <i>Journal of Photonics for Energy</i> , 2021, 11, .	1.3	1
16	Air-Stability Improvement of Solar Selective Absorbers Based on TiWâ€SiO <sub>2</sub> Cermet up to 800 Å°C. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 14587-14598.	8.0	13
17	High-performance MoO <sub>x</sub> /n-Si heterojunction NIR photodetector with aluminum oxide as a tunneling passivation interlayer. <i>Nanotechnology</i> , 2021, 32, 275502.	2.6	18
18	Enhanced Conversion Efficiency of Monocrystalline P-Type Passivated Emitter and Rear Cells in Commercial Production Line by Improving Rear Side Passivation. <i>Energy Technology</i> , 2021, 9, 2001115.	3.8	0

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19	Synthesis and photoelectric properties of SnSe films through selenization of evaporated Sn-metal films. <i>Modern Physics Letters B</i> , 2021, 35, 2150382.	1.9	0
20	Enhanced performance of solar cell with n+ emitter by SiO <sub>2</sub> nanospheres assisted liquid phosphorus diffusion. <i>Solar Energy</i> , 2021, 222, 230-234.	6.1	3
21	High-efficiency passivated emitter and rear cells with nano honeycomb structure. <i>Solar Energy</i> , 2021, 224, 916-922.	6.1	2
22	Effect of O <sub>2</sub> /Ar ratio and sputtering power on the photoelectric properties of antimony doped tin oxide films on ZnO layer. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	2
23	Solvent Effects on Fluorescence Properties of Carbon Dots: Implications for Multicolor Imaging. <i>ACS Omega</i> , 2021, 6, 26499-26508.	3.5	26
24	Formation of emitter by boron spin-on doping from SiO <sub>2</sub> nanosphere and properties of the related n-PERT solar cells. <i>Solar Energy</i> , 2021, 225, 317-322.	6.1	5
25	Enhanced Conductivity and Flexibility in Reduced Graphene Oxide Paper by Combined Chemical-Thermal Reduction. <i>Journal of Electronic Materials</i> , 2021, 50, 6991.	2.2	2
26	ZnO/Al <sub>2</sub> O <sub>3</sub> /p-Si/Al <sub>2</sub> O <sub>3</sub> /CuO heterojunction NIR photodetector with inverted-pyramid light-trapping structure. <i>Journal of Alloys and Compounds</i> , 2021, 874, 159864.	5.5	10
27	Excellent near-infrared response performance in p-CuS/n-Si heterojunction using a low-temperature solution method. <i>Surfaces and Interfaces</i> , 2021, 26, 101430.	3.0	5
28	High surface area Cu <sub>2</sub> ZnSnS <sub>4</sub> nanosheets synthesized by microwave irradiation method: A material for detecting ammonia-ammonium ions in wastewater. <i>Materials Science in Semiconductor Processing</i> , 2021, 136, 106159.	4.0	7
29	Reduced power degradation in bifacial PERC modules by a rear silicon oxide additive layer. <i>International Journal of Energy Research</i> , 2021, 45, 8659-8665.	4.5	2
30	Effect of sodium doping on crystal growth and band matching of the heterojunction in flexible CZTS solar cells. <i>Journal of Materials Chemistry C</i> , 2021, 9, 17531-17541.	5.5	16
31	Enhanced visible light-driven photodegradation of rhodamine B by Ti <sup>3+</sup> self-doped TiO <sub>2</sub> @Ag nanoparticles prepared using Ti vapor annealing. <i>Journal of Materials Science</i> , 2020, 55, 701-712.	3.7	23
32	Flexible CZTSSe thin film solar cells fabricated at low temperature with relieved residual stress by Sb incorporation. <i>Ceramics International</i> , 2020, 46, 1982-1989.	4.8	14
33	In-situ synthesis of mesoporous TiO <sub>2</sub> -Cu <sub>2</sub> ZnSnS <sub>4</sub> heterostructured nanocomposite for enhanced photocatalytic degradation. <i>Applied Surface Science</i> , 2020, 505, 144540.	6.1	16
34	Metal-Free Synthesis of Boron-Doped Graphene Glass by Hot-Filament Chemical Vapor Deposition for Wave Energy Harvesting. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 2805-2815.	8.0	13
35	Studies of Z-scheme WO <sub>3</sub> -TiO <sub>2</sub> /Cu <sub>2</sub> ZnSnS <sub>4</sub> ternary nanocomposite with enhanced CO <sub>2</sub> photoreduction under visible light irradiation. <i>Journal of CO<sub>2</sub> Utilization</i> , 2020, 37, 260-271.	6.8	61
36	Investigation of optical and mechanical performance of inverted pyramid based ultrathin flexible c-Si solar cell for potential application on curved surface. <i>Applied Surface Science</i> , 2020, 504, 144588.	6.1	21

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37	Temperature Effect of Nano-Structure Rebuilding on Removal of DWS mc-Si Marks by Ag/Cu MACE Process and Solar Cell. <i>Energies</i> , 2020, 13, 4890.	3.1	4
38	Fabrication and performance of p+ layer by SiO <sub>2</sub> nanospheres assisted liquid boron diffusion. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 14322-14329.	2.2	0
39	Enhanced open-circuit voltage in p-type passivated emitter and rear cell by doped polysilicon layer as passivation contact. <i>Solar Energy</i> , 2020, 207, 436-440.	6.1	3
40	Stress-Induced Failure Study on a High-Temperature Air-Stable Solar-Selective Absorber Based on W-SiO <sub>2</sub> Ceramic Composite. <i>Solar Rrl</i> , 2020, 4, 2000336.	5.8	6
41	Novel Cu <sub>2</sub> ZnSnS <sub>4</sub> /Pt/g-C <sub>3</sub> N <sub>4</sub> heterojunction photocatalyst with straddling band configuration for enhanced solar to fuel conversion. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119239.	20.2	79
42	Influence of double current injection annealing on anti-LID effect in mono-like cast silicon PERC solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 3221-3227.	2.2	6
43	Facile in-situ fabrication of TiO <sub>2</sub> -Cu <sub>2</sub> ZnSnS <sub>4</sub> hybrid nanocomposites and their photoreduction of CO <sub>2</sub> to CO/CH <sub>4</sub> generation. <i>Applied Surface Science</i> , 2020, 529, 147005.	6.1	19
44	Cd-free Cu(InGa)Se <sub>2</sub> solar cells with eco-friendly a-Si buffer layers. <i>Applied Surface Science</i> , 2020, 512, 145729.	6.1	8
45	Enhanced acetone sensing performance in black TiO <sub>2</sub> by Ag modification. <i>Journal of Materials Science</i> , 2020, 55, 10399-10411.	3.7	20
46	Performance and stability enhancement of Cu(InGa)Se <sub>2</sub> solar cells on ultrathin glass by potassium incorporation. <i>Materials Letters</i> , 2020, 271, 127749.	2.6	3
47	Bifacial p-Type PERC Solar Cell with Efficiency over 22% Using Laser Doped Selective Emitter. <i>Energies</i> , 2020, 13, 1388.	3.1	25
48	Effect of selenium partial pressure on the performance of Cu <sub>2</sub> ZnSn(S, Se) <sub>4</sub> solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 8662-8669.	2.2	1
49	Effect of sputtering power on the structure and blue-light shielding capability of cuprous oxide thin films. <i>Optical Engineering</i> , 2020, 59, .	1.0	1
50	Effect of calcium incorporation on properties of Cu(InGa)Se <sub>2</sub> thin film and solar cell. <i>Materials Research Express</i> , 2019, 6, 096430.	1.6	0
51	Effect of selenization temperature on the properties of Sb <sub>2</sub> Se <sub>3</sub> thin films and solar cells by two-step method. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19871-19879.	2.2	18
52	Dependence of plasma power for direct synthesis of nitrogen-doped graphene films on glass by plasma-assisted hot filament chemical vapor deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 18811-18817.	2.2	1
53	Nanostructure-induced fast texturization of mono-crystalline silicon in low-concentration alkaline solution. <i>Materials Science in Semiconductor Processing</i> , 2019, 94, 1-8.	4.0	5
54	Property comparison of flexible Cu(InGa)Se <sub>2</sub> thin film solar cells on Ti and Ni foils without diffusion barrier. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 11754-11763.	2.2	4

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55	Highly luminescent up/down conversion thin films prepared by a room temperature process. <i>Thin Solid Films</i> , 2019, 683, 1-7.	1.8	4
56	Hydrothermal synthesis of Fe <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> : Advanced photocatalytic application. <i>Applied Surface Science</i> , 2019, 488, 887-895.	6.1	67
57	Study on the properties of a novel shape-stable epoxy resin sealed expanded graphite/paraffin composite PCM and its application in buildings. <i>Phase Transitions</i> , 2019, 92, 581-594.	1.3	17
58	Effect of deposition pressure on the properties of amorphous carbon films by hot-filament chemical vapor deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 10145-10151.	2.2	2
59	Influence of Ge layer location on performance of flexible CZTSSe thin film solar cell. <i>Vacuum</i> , 2019, 165, 186-192.	3.5	16
60	Formation of Inverted Pyramid-Like Submicron Structures on Multicrystalline Silicon Using Nitric Acid as Oxidant in Metal Assisted Chemical Etching Process. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800636.	1.8	3
61	Residual stress regulation for CZTSSe thin film on flexible titanium substrate by introducing a Ge transition layer. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 7337-7346.	2.2	3
62	The effect of Ge content on photovoltaic property of flexible Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> thin film solar cells. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	1
63	Direct growth of nitrogen-doped graphene films on glass by plasma-assisted hot filament CVD for enhanced electricity generation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12038-12049.	10.3	36
64	The Impact of Thermal Treatment on Light-Induced Degradation of Multicrystalline Silicon PERC Solar Cell. <i>Energies</i> , 2019, 12, 416.	3.1	14
65	Superiority of random inverted nanopyramid as efficient light trapping structure in ultrathin flexible c-Si solar cell. <i>Renewable Energy</i> , 2019, 133, 883-892.	8.9	29
66	Evolution of Structural and Electrical Properties of Carbon Films from Amorphous Carbon to Nanocrystalline Graphene on Quartz Glass by HFCVD. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 17427-17436.	8.0	35
67	Passivation properties of alumina for multicrystalline silicon nanostructure prepared by spin-coating method. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	5
68	Improved passivation effect in multicrystalline black silicon by chemical solution pre-treatment. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	1
69	Impact of thiourea concentration on the properties of sol-gel derived Zn(O,S) thin films and Cu(In,Ga)Se <sub>2</sub> solar cells. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 266-273.	2.4	6
70	Performance enhancement in Sb doped Cu(InGa)Se <sub>2</sub> thin film solar cell by e-beam evaporation. <i>Applied Surface Science</i> , 2018, 433, 271-278.	6.1	17
71	Fabrication of black silicon by Ni assisted chemical etching. <i>Materials Research Express</i> , 2018, 5, 015020.	1.6	7
72	Effect of e-beam evaporated elemental metal stack precursors on the property of Cu(InGa)Se <sub>2</sub> thin films through two-step process. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 19812-19818.	2.2	3

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73	Preparation of Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> thin film solar cells by a green and facile solution method. <i>Materials Research Express</i> , 2018, 5, 125503.	1.6	1
74	Influence of SiO <sub>2</sub> nanosphere on the performance of n <sup>+</sup> layer fabricated by phosphorus diffusion using phosphoric acid solution. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	1
75	Enhanced etching rate of black silicon by Cu/Ni Co-assisted chemical etching process. <i>Materials Science in Semiconductor Processing</i> , 2018, 88, 250-255.	4.0	13
76	Formation mechanism of inverted pyramid from sub-micro to micro scale on c-Si surface by metal assisted chemical etching temperature. <i>Applied Surface Science</i> , 2018, 455, 283-294.	6.1	26
77	Cu-assisted chemical etching of bulk c-Si: A rapid and novel method to obtain 45 nm ultrathin flexible c-Si solar cells with asymmetric front and back light trapping structures. <i>Solar Energy</i> , 2018, 170, 263-272.	6.1	22
78	Hydrogen influence on the properties of amorphous carbon films for transparent conductive electrode by HFCVD. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14277-14284.	2.2	5
79	Engineered Cu(InGa)Se <sub>2</sub> thin films through CaF <sub>2</sub> post-deposition treatment for enhancing solar cell performance. <i>Journal of Alloys and Compounds</i> , 2018, 766, 1046-1053.	5.5	4
80	Cost-effective fabrication of polycrystalline TiO <sub>2</sub> with tunable n/p response for selective hydrogen monitoring. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 10-21.	7.8	29
81	Dopant-free random inverted nanopyramid ultrathin c-Si solar cell via low work function metal modified ITO and TiO <sub>2</sub> electron transporting layer. <i>Journal of Alloys and Compounds</i> , 2018, 769, 951-960.	5.5	11
82	The role of potassium in grain boundaries of flexible CZTSSe thin film solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 17503-17507.	2.2	3
83	Influence of Er <sup>3+</sup> doping concentration and temperature on upconversion photoluminescence property of NaY(WO <sub>4</sub> ) <sub>2</sub> phosphor. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	5
84	Fast growth of conductive amorphous carbon films by HFCVD with filament temperature control. <i>Materials Letters</i> , 2018, 228, 293-296.	2.6	2
85	Performance enhancement of flexible CZTSSe solar cells on optimized roughness substrate. <i>Optical Engineering</i> , 2018, 57, 1.	1.0	2
86	Nanostructured multi-crystalline silicon solar cell with isotropic etching by HF/KMnO <sub>4</sub> . <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600703.	1.8	6
87	Investigation of substrate temperature and cooling method on the properties of amorphous carbon films by hot-filament CVD with acetylene. <i>Carbon</i> , 2017, 117, 322-330.	10.3	23
88	Solvothermal Synthesis of p-type Cu <sub>2</sub> ZnSnS <sub>4</sub> -Based Nanocrystals and Photocatalytic Properties for Degradation of Methylene Blue. <i>Catalysis Letters</i> , 2017, 147, 1844-1850.	2.6	22
89	Potential of quasi-inverted pyramid with both efficient light trapping and sufficient wettability for ultrathin c-Si/PEDOT:PSS hybrid solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017, 169, 226-235.	6.2	24
90	High efficiency multi-crystalline silicon solar cell with inverted pyramid nanostructure. <i>Solar Energy</i> , 2017, 142, 91-96.	6.1	83

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91	Performance improvement of flexible CZTSSe thin film solar cell by adding a Ge buffer layer. <i>Materials Letters</i> , 2017, 190, 188-190.	2.6	11
92	High-Efficient Solar Cells by the Ag/Cu-Assisted Chemical Etching Process on Diamond-Wire-Sawn Multicrystalline Silicon. <i>IEEE Journal of Photovoltaics</i> , 2017, 7, 153-156.	2.5	39
93	Effect of sulfurization temperature on the property of Cu <sub>2</sub> ZnSnS <sub>4</sub> thin film by eco-friendly nanoparticle ink method. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	3
94	Fabrication of Cu <sub>2</sub> ZnSnS <sub>4</sub> thin films by simple solution method using citric acid as complexing agent. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 14424-14429.	2.2	5
95	Hybrid process for texturization of diamond wire sawn multicrystalline silicon solar cell. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016, 10, 870-873.	2.4	4
96	Effect of substrate temperature and post-annealing on the properties of CIGS thin films deposited using e-beam evaporation. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 495601.	2.8	13
97	Improvement of CZTSSe thin film solar cell by introducing a three-layer structure precursor. <i>Materials Letters</i> , 2016, 172, 90-93.	2.6	17
98	Influence of sulfurization pressure on structural and electrical property of Cu <sub>2</sub> ZnSnS <sub>4</sub> thin film and solar cell. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 8688-8692.	2.2	4
99	Efficient light trapping of quasi-inverted nanopyramids in ultrathin c-Si through a cost-effective wet chemical method. <i>RSC Advances</i> , 2016, 6, 96686-96692.	3.6	19
100	Growth mechanism of Ge-doped CZTSSe thin film by sputtering method and solar cells. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28829-28834.	2.8	23
101	Preparation of high efficiency Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> solar cells from novel non-toxic hybrid ink. <i>Journal of Power Sources</i> , 2016, 335, 84-90.	7.8	9
102	A 4.92% efficiency Cu <sub>2</sub> ZnSnS <sub>4</sub> solar cell from nanoparticle ink and molecular solution. <i>RSC Advances</i> , 2016, 6, 54049-54053.	3.6	33
103	Growth of ideal amorphous carbon films at low temperature by e-beam evaporation. <i>RSC Advances</i> , 2016, 6, 42353-42360.	3.6	19
104	Influence of Cd source concentration on photo-current response property of Cd <sub>x</sub> Zn <sub>1-x</sub> S film prepared by chemical bath deposition. <i>Ceramics International</i> , 2016, 42, 2466-2471.	4.8	23
105	Properties of boron-doped 1/4c-Ge:H films deposited by hot-wire CVD. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2015, 30, 516-519.	1.0	0
106	Influence of solution temperature on the properties of Cu <sub>2</sub> ZnSnS <sub>4</sub> nanoparticles by ultrasound-assisted microwave irradiation. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1449-1454.	2.2	15
107	Microwave-assisted synthesis of erbium-doped yttrium oxide nanoparticles and their upconversion properties. <i>Micro and Nano Letters</i> , 2015, 10, 40-44.	1.3	6
108	ZnO:Er, Li film prepared by sol-gel method and its properties of converting both UV and NIR light to visible light. <i>Optical Materials</i> , 2015, 39, 218-223.	3.6	10

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109	Fabrication of black silicon via reactive ion etching through Cu micromask. <i>Micro and Nano Letters</i> , 2014, 9, 325-327.	1.3	1
110	Effect of the thickness on the optoelectronic properties of SnS films and photovoltaic performance of SnS/i-a-Si/n-a-Si solar cells. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 2167-2173.	2.3	5
111	Novel and low reflective silicon surface fabricated by Ni-assisted electroless etching and coated with atomic layer deposited Al <sub>2</sub> O <sub>3</sub> film. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 114, 813-817.	2.3	11
112	Impurity photovoltaic effect in silicon solar cells doped with two impurities. <i>Optical and Quantum Electronics</i> , 2014, 46, 1457-1465.	3.3	6
113	Formation and mechanism of silicon nanostructures by Ni-assisted etching. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 1559-1563.	2.2	6
114	Large-scale black multi-crystalline silicon solar cell with conversion efficiency over 18%. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 683-688.	2.3	28
115	Effects of sulfur sources on properties of Cu <sub>2</sub> ZnSnS <sub>4</sub> nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	16
116	Influence of annealing temperature on the properties of polycrystalline silicon films formed by rapid thermal annealing of a-Si:H films. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4209-4212.	2.2	7
117	Cu <sub>2</sub> ZnSnS <sub>4</sub> films by paste coating and their optoelectronic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4228-4232.	2.2	9
118	The influence of annealing atmosphere on the phase formation of Cu-Sn-S ternary compound by SILAR method. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 3195-3198.	2.2	16
119	Low-cost chemical fabrication of Cu <sub>2</sub> ZnSnS <sub>4</sub> microparticles and film. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 1813-1817.	2.2	15
120	Rapid synthesis of hollow CTS nanoparticles using microwave irradiation. <i>Materials Letters</i> , 2013, 111, 5-8.	2.6	26
121	Improvement of the Crystallinity of Silicon Films Deposited by Hot-Wire Chemical Vapor Deposition with Negative Substrate Bias. <i>Journal of Electronic Materials</i> , 2013, 42, 2464-2469.	2.2	3
122	Research on the photoresponse current and photosensitive properties of Cu <sub>2</sub> ZnSnS <sub>4</sub> thin film prepared by sulfurization of a sputtered metal precursor. <i>RSC Advances</i> , 2013, 3, 23474.	3.6	8
123	Synthesis of Cu <sub>2</sub> ZnSnS <sub>4</sub> films from sequentially electrodeposited Cu-Sn-Zn precursors and their structural and optical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4578-4584.	2.2	21
124	Microcrystalline silicon films fabricated by bias-assisted hot-wire chemical vapor deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4574-4577.	2.2	0
125	Structural and optical properties of Cu <sub>2</sub> SnS <sub>3</sub> and Cu <sub>3</sub> SnS <sub>4</sub> thin films by successive ionic layer adsorption and reaction. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 1490-1494.	2.2	84
126	Quaternary co-electrodeposition of the Cu <sub>2</sub> ZnSnS <sub>4</sub> films as potential solar cell absorbers. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 572-575.	2.2	8



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127	Sulfurization time effects on the growth of Cu <sub>2</sub> ZnSnS <sub>4</sub> thin films by solution method. Journal of Materials Science: Materials in Electronics, 2013, 24, 2667-2671.	2.2	27
128	Three step fabrication of graphene at low temperature by remote plasma enhanced chemical vapor deposition. RSC Advances, 2013, 3, 9544.	3.6	12
129	Triggering the Continuous Growth of Graphene Toward Millimeter-Sized Grains. Advanced Functional Materials, 2013, 23, 198-203.	14.9	129
130	Effect of substrate bias on the properties of microcrystalline silicon films deposited by hot-wire chemical vapor deposition. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 574-579.	1.8	0
131	Heterojunction solar cells produced by porous silicon layer transfer technology. Applied Physics A: Materials Science and Processing, 2012, 108, 929-934.	2.3	7
132	Microwave-assisted synthesis and thermoelectric properties of CoSb <sub>3</sub> compounds. Journal of Materials Science: Materials in Electronics, 2012, 23, 2210-2215.	2.2	8
133	Nitrogen and boron doped monolayer graphene by chemical vapor deposition using polystyrene, urea and boric acid. New Journal of Chemistry, 2012, 36, 1385.	2.8	186
134	Polycrystalline silicon films fabricated by rapid thermal annealing. Journal of Materials Science: Materials in Electronics, 2012, 23, 1279-1283.	2.2	3
135	Optical and Electrical Properties of Cu <sub>2</sub> ZnSnS <sub>4</sub> Film Prepared by Sulfurization Method. Journal of Electronic Materials, 2012, 41, 2204-2209.	2.2	26
136	Effects of nano-TiO <sub>2</sub> dispersion on thermoelectric properties of Co <sub>4</sub> Sb <sub>11.7</sub> Te <sub>0.3</sub> composites. Rare Metals, 2012, 31, 43-47.	7.1	14
137	Formation of $\text{Si}^x\text{C}_x\text{H}$ and nc-SiC films grown by HWCVD under different process pressure. Applied Surface Science, 2011, 258, 999-1003.	6.1	26
138	Preparation and properties of SnS film grown by two-stage process. Applied Surface Science, 2011, 257, 4901-4905.	6.1	51
139	Optical properties of stepped-cone silicon nanostructures fabricated by nanosphere mask and RIE method. Materials Technology, 0, , 1-8.	3.0	0