

Takeo Oku

List of Publications by Year in descending order

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247
papers

4,955
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126708

33
h-index

155451

55
g-index

251
all docs

251
docs citations

251
times ranked

3356
citing authors

#	ARTICLE	IF	CITATIONS
1	Additive Effects of Copper and Alkali Metal Halides into Methylammonium Lead Iodide Perovskite Solar Cells. <i>Electronic Materials Letters</i> , 2022, 18, 176-186.	1.0	20
2	Fabrication and characterization of CH ₃ NH ₃ PbI ₃ solar cells with added guanidinium and inserted with decaphenylpentasilane. <i>Japanese Journal of Applied Physics</i> , 2022, 61, SB1024.	0.8	23
3	Effects of Adding Alkali Metals and Organic Cations to Cu-Based Perovskite Solar Cells. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1710.	1.3	26
4	Fabrication and characterization of ethylammonium- and rubidium-added perovskite solar cells. , 2022, 9, .		2
5	Electronic structures of Eu-doped FAPbI ₃ perovskite crystals studied by first-principles calculation. , 2022, 9, .		0
6	Additive effect of lanthanide compounds into perovskite layer on photovoltaic properties and electronic structures. <i>Synthetic Metals</i> , 2022, 287, 117092.	2.1	12
7	Electrochemical fabrication of hierarchical thin films consisting of different polythiophenes and change in photoelectric conversion properties with film thickness. <i>Japanese Journal of Applied Physics</i> , 2022, 61, 061008.	0.8	2
8	Dye fluorescence enhancement by plasmonic nanostructured gold-titania film composites obtained by the combination of electrodeposition and surface sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 104, 666-672.	1.1	2
9	Effects of Cu, K and Guanidinium Addition to CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells. <i>Journal of Electronic Materials</i> , 2022, 51, 4317-4328.	1.0	23
10	Effects of mixed-valence states of Eu-doped FAPbI ₃ perovskite crystals studied by first-principles calculation. <i>Materials Advances</i> , 2021, 2, 2609-2616.	2.6	32
11	Fabrication and Characterization of Ni-, Co-, and Rb-Incorporated CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells. <i>Journal of Electronic Materials</i> , 2021, 50, 1980-1995.	1.0	23
12	One-pot synthesis of visible-light-responsive titanium oxide photocatalyst with embedded silver nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 98, 281-287.	1.1	1
13	Effects of Polysilane Addition to Chlorobenzene and High Temperature Annealing on CH ₃ NH ₃ PbI ₃ Perovskite Photovoltaic Devices. <i>Coatings</i> , 2021, 11, 665.	1.2	27
14	Preparation of silver-nanoparticle-loaded C60-ethylenediamine adduct microparticles and their application to photoelectric conversion. <i>Applied Physics Express</i> , 2021, 14, 067003.	1.1	1
15	Additive Effects of Guanidinium Iodide on CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2100396.	0.8	22
16	Additive effects of methyl ammonium bromide or formamidinium bromide in methylammonium lead iodide perovskite solar cells using decaphenylcyclopentasilane. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 26449-26464.	1.1	24
17	Fabrication and surface-enhanced Raman scattering properties of thin-film assemblies of classified silver nanoparticles. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 027002.	0.8	1
18	Effects of zirconium addition on microstructures and thermal conductivities of carbon/copper composites. <i>Materials Science and Technology</i> , 2021, 37, 1090-1095.	0.8	1

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19	Effects of Co-Addition of CuBr ₂ and NaCl to CH ₃ NH ₃ PbI ₃ (Cl) Perovskite Solar Cells. Materials Proceedings, 2021, 4, 54.	0.2	0
20	Development of Polysilane-Inserted Perovskite Solar Cells. Materials Proceedings, 2021, 4, 51.	0.2	0
21	Fabrication and photocatalytic behavior of titanium oxide-gold nanoparticles composite ultrathin films prepared using surface sol-gel process. Journal of Sol-Gel Science and Technology, 2020, 93, 563-569.	1.1	5
22	Polysilane-Inserted Methylammonium Lead Iodide Perovskite Solar Cells Doped with Formamidinium and Potassium. Energies, 2020, 13, 4776.	1.6	32
23	Effects of Co-Addition of Sodium Chloride and Copper(II) Bromide to Mixed-Cation Mixed-Halide Perovskite Photovoltaic Devices. ACS Applied Energy Materials, 2020, 3, 7272-7283.	2.5	37
24	Fabrication and surface-enhanced Raman scattering properties of two-dimensional gold and silver nanoparticle mixed assemblies by liquid-liquid interfacial precipitation method. Applied Physics Express, 2020, 13, 055001.	1.1	3
25	Electronic structures, spectroscopic properties, and thermodynamic characterization of sodium- or potassium-incorporated CH ₃ NH ₃ PbI ₃ by first-principles calculation. Journal of Materials Science, 2020, 55, 9728-9738.	1.7	18
26	Dependence of electric power flow on solar radiation power in compact photovoltaic system containing SiC-based inverter with spherical Si solar cells. Heliyon, 2020, 6, e03094.	1.4	5
27	Photovoltaic Characteristics of CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells Added with Ethylammonium Bromide and Formamidinium Iodide. Coatings, 2020, 10, 410.	1.2	32
28	Effects of doping with Na, K, Rb, and formamidinium cations on (CH ₃ NH ₃) _{0.99} Rb _{0.01} Pb _{0.99} Cu _{0.01} I ₃ (Cl, Br) perovskite photovoltaic cells. AIP Advances, 2020, 10, .	0.6	32
29	Crystal structures of perovskite halide compounds used for solar cells. Reviews on Advanced Materials Science, 2020, 59, 264-305.	1.4	80
30	Fabrication and characterization of potassium- and formamidinium-added perovskite solar cells. Journal of the Ceramic Society of Japan, 2020, 128, 805-811.	0.5	27
31	Electronic Structures, Spectroscopic Properties, and Thermodynamic Characterization of Alkali Metal and Transition Metal Incorporated Perovskite Crystals by First-Principles Calculation. Materials Proceedings, 2020, 4, .	0.2	0
32	Effects of Guanidinium and Formamidinium Addition to CH ₃ NH ₃ PbI ₃ -Based Perovskite Solar Cells. Materials Proceedings, 2020, 4, .	0.2	0
33	Additive effects of alkali metals on Cu-modified CH ₃ NH ₃ PbI ₃ Cl photovoltaic devices. RSC Advances, 2019, 9, 24231-24240.	1.7	41
34	Effects of guanidinium addition to CH ₃ NH ₃ PbI ₃ perovskite photovoltaic devices. Journal of the Ceramic Society of Japan, 2019, 127, 491-497.	0.2	0
35	Effects of annealing temperature on decaphenylcyclopentasilane-inserted CH ₃ NH ₃ PbI ₃ perovskite solar cells. Chemical Physics Letters, 2019, 737, 136822.	1.2	44
36	Fabrication and characterization of perovskite solar cells added with zinc phthalocyanine to active layer. AIP Conference Proceedings, 2019, .	0.3	3

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37	Electronic Structures and Magnetic Properties of Transition Metal Doped CsPbI ₃ Perovskite Compounds by First-Principles Calculation. <i>Physics of the Solid State</i> , 2019, 61, 1074-1085.	0.2	9
38	Fullerene-based solar cells. , 2019, , 661-698.		0
39	Fabrication and characterization of perovskite type solar cells using phthalocyanine complexes. <i>Applied Surface Science</i> , 2019, 488, 586-592.	3.1	30
40	Fabrication and evaluation of K-doped MA _{0.8} FA _{0.1} K _{0.1} PbI ₃ (Cl) perovskite solar cells. <i>Chemical Physics Letters</i> , 2019, 730, 117-123.	1.2	29
41	Effects of KBr or KCl addition to CH ₃ NH ₃ PbI ₃ (Cl) photovoltaic devices. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
42	Fabrication and photovoltaic properties of an invert-type organic thin-film solar cells incorporation of phosphorescent material into electron transport layer. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
43	Effects of TiO ₂ nanoparticles with different sizes on the performance of CH ₃ NH ₃ PbI ₃ -xCl _x solar cells. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
44	Effects of poly(methyl methacrylate) addition to perovskite photovoltaic devices. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	14
45	Additive Effect of Formamidinium Chloride in Methylammonium Lead Halide Compound-Based Perovskite Solar Cells. <i>Journal of Electronic Materials</i> , 2019, 48, 3900-3907.	1.0	22
46	First-principles calculation study of electronic structures of alkali metals (Li, K, Na and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (Rb) 912-921.	3.1	28
47	Effects of CuBr addition to CH ₃ NH ₃ PbI ₃ (Cl) perovskite photovoltaic devices. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	7
48	Effects of CsBr addition on the performance of CH ₃ NH ₃ PbI ₃ -xCl _x -based solar cells. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	2
49	Effects of GeI ₂ or ZnI ₂ addition to perovskite CH ₃ NH ₃ PbI ₃ photovoltaic devices. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	6
50	A state-of-the-art compact SiC photovoltaic inverter with maximum power point tracking function. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
51	Rietveld refinement of the crystal structure of perovskite solar cells using CH ₃ NH ₃ PbI ₃ and other compounds. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	3
52	Insertion effect of spin-coated films of C60-ethylenediamine adduct on organic thin-film solar cells. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	3
53	Effects of hot airflow during spin-coating process on CH ₃ NH ₃ PbI ₃ -xCl _x perovskite solar cells. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	2
54	Fabrication and characterization of rubidium/formamidinium-incorporated methylammonium-lead-halide perovskite solar cells. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	5

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55	Fabrication and characterization of perovskite solar cells added with MnCl ₂ , YCl ₃ or poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overloc	0.3	9
56	First-principles calculation study of electronic structures and magnetic properties of Mn-doped perovskite crystals for solar cell applications. Japanese Journal of Applied Physics, 2018, 57, 02CE04.	0.8	10
57	Fabrication and characterization of CH ₃ NH ₃ (Cs)Pb(Sn)I ₃ (Cl) perovskite solar cells with TiO ₂ nanoparticle layers. Japanese Journal of Applied Physics, 2018, 57, 02CE03.	0.8	11
58	Microstructures, optical and photovoltaic properties of CH ₃ NH ₃ PbI ₃ (1 <i>x</i>)Cl _x perovskite films with CuSCN additive. Materials Research Express, 2018, 5, 055504.	0.8	11
59	Effects of annealing on CH ₃ NH ₃ PbI ₃ (Cl) perovskite photovoltaic devices. Journal of the Ceramic Society of Japan, 2018, 126, 56-60.	0.5	32
60	Highly (100)-oriented CH ₃ NH ₃ PbI ₃ (Cl) perovskite solar cells prepared with NH ₄ Cl using an air blow method. RSC Advances, 2018, 8, 10389-10395.	1.7	63
61	Effects of Excess PbI ₂ Addition to CH ₃ NH ₃ PbI ₃ Cl Perovskite Solar Cells. Chemistry Letters, 2018, 47, 528-531.	0.7	21
62	Rietveld refinement of crystal structure of perovskite CH ₃ NH ₃ Pb(Sb)I ₃ solar cells. Japanese Journal of Applied Physics, 2018, 57, 02CE02.	0.8	11
63	Effects of Decaphenylcyclopentasilane Addition on Photovoltaic Properties of Perovskite Solar Cells. Coatings, 2018, 8, 461.	1.2	15
64	Fabrication and Characterization of CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells Added with Polysilanes. International Journal of Photoenergy, 2018, 2018, 1-7.	1.4	27
65	Stability Characterization of PbI ₂ -Added CH ₃ NH ₃ PbI ₃ -xCl _x Photovoltaic Devices. ACS Applied Materials & Interfaces, 2018, 10, 44443-44451.	4.0	27
66	Time-dependent non-linear size change of C60-ethylenediamine adduct particles in formation process. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	8
67	Effects of transition metals incorporated into perovskite crystals on the electronic structures and magnetic properties by first-principles calculation. Heliyon, 2018, 4, e00755.	1.4	25
68	Fabrication and Characterization of the copper bromides-added CH ₃ NH ₃ PbI ₃ -xCl _x perovskite solar cells. Synthetic Metals, 2018, 244, 128-133.	2.1	16
69	Effects of Cu addition to perovskite CH ₃ NH ₃ PbI ₃ -xCl _x photovoltaic devices with hot airflow during spin-coating. Japanese Journal of Applied Physics, 2018, 57, 08RE10.	0.8	17
70	Effects of halide addition to arsenic-doped perovskite photovoltaic devices. AIP Conference Proceedings, 2018, , .	0.3	4
71	Structural stabilities of organic-inorganic perovskite crystals. Japanese Journal of Applied Physics, 2018, 57, 08RE12.	0.8	42
72	Effects of PbI ₂ addition and TiO ₂ electron transport layers for perovskite solar cells. Japanese Journal of Applied Physics, 2018, 57, 08RE05.	0.8	22

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73	Possible Applications of Nanomaterials for Nuclear Fusion Devices. Energy Harvesting and Systems, 2018, 5, 11-27.	1.7	5
74	Dendritic Structures of Photovoltaic Perovskite Crystals. Materia Japan, 2018, 57, 601-601.	0.1	2
75	Fabrication and characterization of perovskite-based $\text{CH}_3\text{NH}_3\text{Pb}_{1-x}\text{AsxI}_3+x\text{Cly}$ photovoltaic devices. AIP Conference Proceedings, 2017, , .	0.3	1
76	Effects of halogen doping on the photovoltaic properties of $\text{HC}(\text{NH}_2)_2\text{PbI}_3$ perovskite solar cells. AIP Conference Proceedings, 2017, , .	0.3	16
77	Fabrication and characterization of $\text{CH}_3\text{NH}_3(\text{Cs})\text{Pb}(\text{Sn})\text{I}_3(\text{Br})$ perovskite solar cells. AIP Conference Proceedings, 2017, , .	0.3	11
78	Fabrication and characterization of perovskite based solar cells using phthalocyanine and naphthalocyanine as hole-transporting layer. AIP Conference Proceedings, 2017, , .	0.3	1
79	Photovoltaic properties of Cu-doped $\text{CH}_3\text{NH}_3\text{PbI}_3$ with perovskite structure. AIP Conference Proceedings, 2017, , .	0.3	15
80	Doping effects of transition metal elements to titanium dioxide for perovskite solar cells. AIP Conference Proceedings, 2017, , .	0.3	5
81	Fabrication and characterization of perovskite photovoltaic devices with TiO_2 nanoparticle layers. AIP Conference Proceedings, 2017, , .	0.3	6
82	Comparative study of SiC- and Si-based photovoltaic inverters. AIP Conference Proceedings, 2017, , .	0.3	6
83	A compact SiC photovoltaic inverter with maximum power point tracking function. Solar Energy, 2017, 141, 228-235.	2.9	16
84	Effects of SbBr_3 addition to $\text{CH}_3\text{NH}_3\text{PbI}_3$ solar cells. AIP Conference Proceedings, 2017, , .	0.3	11
85	Effects of copper addition on photovoltaic properties of perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3\text{Cl}$ solar cells. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700268.	0.8	17
86	Effect of gold nanoparticles in titanium oxide layer on the photovoltaic performance of inverted-type organic thin-film solar cells. Molecular Crystals and Liquid Crystals, 2017, 653, 50-56.	0.4	3
87	Effects of polysilane-doped spiro-MeTAD hole transport layers on photovoltaic properties. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600591.	0.8	13
88	Effects of heat treatment on fluorine-doped tin oxide anti-reflection films coated on silicon spheres. Journal of the Ceramic Society of Japan, 2017, 125, 145-149.	0.5	0
89	A Transportable Photovoltaic Power Generation System Utilizing a SiC Inverter and Spherical Si Solar Cells. Technologies, 2017, 5, 18.	3.0	5
90	Effects of NH_4Cl addition to perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$ photovoltaic devices. Journal of the Ceramic Society of Japan, 2017, 125, 303-307.	0.5	36

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91	Fabrication and Characterization of Element-Doped Perovskite Solar Cells. , 2017, , .		1
92	Electronic Structures, and Optical and Magnetic Properties of Quadruple-Decker Phthalocyanines. Magnetochemistry, 2017, 3, 21.	1.0	2
93	Construction of Photovoltaic Power Generation-storage System Using an Inverter with SiC FET and SBD. Advances in Energy and Power, 2017, 5, 7-12.	0.7	2
94	Effects of Metal Phthalocyanines as Hole-transporting Layers of Perovskite-based Solar Cells. Chemical and Materials Engineering, 2017, 5, 34-42.	0.7	4
95	Effects of CsI and/or SnBr ₂ Additions to CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells. Nanoscience and Nanoengineering, 2017, 5, 25-30.	0.8	1
96	Arsenic and Chlorine Co-Doping to CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells. Advances in Materials Physics and Chemistry, 2017, 07, 1-10.		
97	Effects of PBr ₃ Addition to Polysilane Thin Films on Structures and Photovoltaic Properties. Green and Sustainable Chemistry, 2017, 07, 20-34.	0.8	5
98	Comparison between SiC- and Si-Based Inverters for Photovoltaic Power Generation Systems. Journal of Power and Energy Engineering, 2017, 05, 30-40.	0.3	3
99	Fabrication of Perovskite-Type Photovoltaic Devices with Polysilane Hole Transport Layers. Materials Sciences and Applications, 2017, 08, 209-222.	0.3	4
100	4. Inorganic solar cells. , 2016, , 43-68.		0
101	5. Organic-type solar cells. , 2016, , 69-108.		0
102	6. Perovskite-type solar cells. , 2016, , 109-152.		0
103	9. Other energy materials. , 2016, , 187-224.		0
104	Fabrication and Characterization of CH ₃ NH ₃ PbI _{3-x} Br _x Perovskite Solar Cells. Energies, 2016, 9, 376.	1.6	25
105	Effects of Cl Addition to Sb-Doped Perovskite-Type CH ₃ NH ₃ PbI ₃ Photovoltaic Devices. Metals, 2016, 6, 147.	1.0	43
106	Effects of chlorine addition to perovskite-type CH ₃ NH ₃ PbI ₃ photovoltaic devices. Journal of the Ceramic Society of Japan, 2016, 124, 234-238.	0.5	33
107	Fabrication and characterization of bismuth ferrite as an electron transport layer in perovskite photovoltaic devices. Journal of the Ceramic Society of Japan, 2016, 124, 602-605.	0.5	3
108	Theoretical study of NMR, infrared and Raman spectra on triple-decker phthalocyanines. AIP Conference Proceedings, 2016, , .	0.3	2

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109	Low temperature fabrication of perovskite solar cells with TiO ₂ nanoparticle layers. AIP Conference Proceedings, 2016, , .	0.3	6
110	Role of bromine doping on the photovoltaic properties and microstructures of CH ₃ NH ₃ PbI ₃ perovskite solar cells. AIP Conference Proceedings, 2016, , .	0.3	12
111	Microstructure analysis of spherical silicon solar cells with SnO _x :Fy layers. AIP Conference Proceedings, 2016, , .	0.3	2
112	Fabrication and characterization of perovskite-based CH ₃ NH ₃ Pb _{1-x} GexI ₃ , CH ₃ NH ₃ Pb _{1-x} TlxI ₃ and CH ₃ NH ₃ Pb _{1-x} InxI ₃ photovoltaic devices. AIP Conference Proceedings, 2016, , .	0.3	24
113	Low-temperature synthesis of titanium oxide/gold nanoparticle composite powders using a combination of the sol-gel process and ultraviolet light irradiation. Journal of Sol-Gel Science and Technology, 2016, 78, 692-697.	1.1	5
114	Photovoltaic properties of perovskite-type solar cells with polysilane-doped hole transport layers. , 2016, , .		0
115	Effects of Antimony Addition to Perovskite-type CH ₃ NH ₃ PbI ₃ Photovoltaic Devices. Chemistry Letters, 2016, 45, 134-136.	0.7	63
116	Fabrication and Photocurrent Generation Properties of Insoluble Hierarchical Polythiophene Thin Films Prepared by Sequential Electrochemical Polymerization. Bulletin of the Chemical Society of Japan, 2016, 89, 700-704.	2.0	4
117	Fabrication and characterization of BiFeO ₃ thin films and application for photovoltaic devices. , 2016, , .		0
118	Microstructures and Optical Properties of Silicon Spheres for Solar Cells. Materials Transactions, 2016, 57, 1082-1087.	0.4	3
119	Construction and evaluation of photovoltaic power generation and power storage system using SiC field-effect transistor inverter. AIP Conference Proceedings, 2016, , .	0.3	6
120	Evaluation of photovoltaic power generation system using spherical silicon solar cells and SiC-FET inverter. AIP Conference Proceedings, 2016, , .	0.3	6
121	Effects of hole-transporting layers of perovskite-based solar cells. Japanese Journal of Applied Physics, 2016, 55, 02BF01.	0.8	16
122	Synthesis, Structures and Properties of Boron Nitride Nanoparticles. , 2016, , 1-40.		0
123	Effects of Niobium Addition into TiO ₂ Layers on CH ₃ NH ₃ PbI ₃ -based Photovoltaic Devices. Chemistry Letters, 2015, 44, 1033-1035.	0.7	21
124	Formation of Thin Films of Densely Packed [60]Fullerene-Diaminoethane Adduct Microparticles at a Liquid/Liquid Interface and Their Photoelectrochemical Applications. Chemistry Letters, 2015, 44, 489-491.	0.7	6
125	Microstructures and properties of CH ₃ NH ₃ PbI ₃ -xClx hybrid solar cells. , 2015, , .		8
126	Effect of Gold and Silver Nanoparticle in Poly(3,4-Ethylenedioxythiophene)-Poly(Styrene Sulfonate) layer on Inverted-Type Organic Thin-Film Solar Cells. Transactions of the Materials Research Society of Japan, 2015, 40, 331-334.	0.2	0

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127	Fabrication and Characterization of a Perovskite-Type Solar Cell with a Substrate Size of 70 mm. Coatings, 2015, 5, 646-655.	1.2	24
128	Construction and characterization of spherical Si solar cells combined with SiC electric power inverter. AIP Conference Proceedings, 2015, , .	0.3	9
129	Syntheses, Structures and Properties of Boron Nitride Nanoparticles. , 2015, , 1-32.		0
130	Hydrogen Storage in Boron Nitride and Carbon Nanomaterials. Energies, 2015, 8, 319-337.	1.6	39
131	Hydrogen Storage and Possible Condensation of Deuterium in Palladium. Nanoscience and Nanotechnology - Asia, 2015, 5, 137-143.	0.3	1
132	Effects of Germanium Tetrabromide Addition to Zinc Tetraphenyl Porphyrin / Fullerene Bulk Heterojunction Solar Cells. Electronics (Switzerland), 2014, 3, 112-121.	1.8	8
133	Fabrication and characterization of PCBM:P3HT:silicon phthalocyanine bulk heterojunction solar cells with inverted structures. Japanese Journal of Applied Physics, 2014, 53, 05FJ08.	0.8	11
134	High-resolution electron microscopy and electron diffraction of perovskite-type superconducting copper oxides. Nanotechnology Reviews, 2014, 3, .	2.6	16
135	Photovoltaic properties and morphology of organic solar cells based on liquid-crystal semiconducting polymer with additive. , 2014, , .		5
136	Microstructures and photovoltaic properties of perovskite-type $\text{CH}_3\text{NH}_3\text{PbI}_3$ compounds. Applied Physics Express, 2014, 7, 121601.	1.1	99
137	Effect of annealing on photovoltaic properties and microstructure of conventional and inverted organic solar cells using active bilayer based on liquid-crystal semiconducting polymer and fullerene. International Journal of Energy Research, 2014, 38, 1541-1550.	2.2	7
138	Fabrication and Characterization of Phthalocyanine-Based Organic Solar Cells. Materials Sciences and Applications, 2014, 05, 278-284.	0.3	5
139	Microstructures, optical and photoelectric conversion properties of spherical silicon solar cells with anti-reflection $\text{SnO}_x\text{:F}$ thin films. Japanese Journal of Applied Physics, 2014, 53, 05FJ03.	0.8	18
140	Effect of gold nanoparticle in hole-transport layer on inverted organic thin-film solar cell performance. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1645-1650.	0.8	8
141	C_{60} -ethylene diamine adduct thin film as a buffer layer for inverted-type organic solar cells. RSC Advances, 2014, 4, 34950.	1.7	10
142	Effects of Au nanoparticle addition to hole transfer layer in organic solar cells based on copper naphthalocyanine and fullerene. Progress in Natural Science: Materials International, 2014, 24, 179-183.	1.8	4
143	Facile Fabrication and Photovoltaic Application of [60]Fullerene Assembly Films Formed by Reaction between Fullerene and Amines. Bulletin of the Chemical Society of Japan, 2014, 87, 1335-1342.	2.0	11
144	Fabrication and Characterization of $\text{TiO}_2/\text{CH}_3\text{NH}_3\text{PbI}_3$ -based Photovoltaic Devices. Chemistry Letters, 2014, 43, 916-918.	0.7	37

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145	Fabrication and characterization of organic solar cells using titaniumphthalocyanine as hole transport layer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 2861-2864.	0.8	4
146	Fabrication and characterization of polysilane: PCBM bulk heterojunction solar cells. <i>Open Engineering</i> , 2013, 3, .	0.7	2
147	Fabrication and characterization of fullerene-based solar cells containing phthalocyanine and naphthalocyanine dimers. <i>Synthetic Metals</i> , 2013, 177, 48-51.	2.1	18
148	Fabrication and Characterization of ZnO/Cu ₂ O Solar Cells Prepared by Electrodeposition. <i>Applied Physics Express</i> , 2013, 6, 086503.	1.1	57
149	Fabrication and characterization of copper oxide-zinc oxide solar cells prepared by electrodeposition. <i>Journal of Physics: Conference Series</i> , 2013, 433, 012024.	0.3	27
150	Influence of chemical substitution in Sc _x Y _{3-x} N@C ₈₀ (CF ₃) _n endohedral fullerenes on magnetic properties. <i>Physica B: Condensed Matter</i> , 2013, 428, 18-26.	1.3	8
151	Microstructures and Photovoltaic Properties of Polysilane-Based Solar Cells. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 04CR07.	0.8	27
152	Fabrication and characterization of PCBM:P3HT bulk heterojunction solar cells doped with silicon naphthalocyanine. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 1836-1839.	0.8	5
153	Preparation and Photovoltaic Application of Fullerene-Porphyrin Composite Micropowder. <i>Chemistry Letters</i> , 2013, 42, 694-696.	0.7	2
154	Facile Solubilization and Photovoltaic Application of C ₆₀ Fullerene-Ethylenediamine Adduct. <i>Chemistry Letters</i> , 2013, 42, 177-179.	0.7	10
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