Takeaki Sakurai

List of Publications by Year
in descending order

136	2,455	257101	233125
papers	citations	24 h-index	45 g-index

139	139	139	3202
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thin film deposition of Cu2O and application for solar cells. Solar Energy, 2006, 80, 715-722.	2.9	359
2	Energy Level Alignment at Interfaces in Metal Halide Perovskite Solar Cells. Advanced Materials Interfaces, 2018, 5, 1800260.	1.9	215
3	Na-induced variations in the structural, optical, and electrical properties of Cu(In,Ga)Se2 thin films. Journal of Applied Physics, 2009, 106, .	1.1	148
4	CIGS solar cell with MBE-grown ZnS buffer layer. Solar Energy Materials and Solar Cells, 2009, 93, 970-972.	3.0	130
5	Defects in Cu2O studied by deep level transient spectroscopy. Applied Physics Letters, 2006, 88, 141901.	1.5	88
6	Thickness study of Al:ZnO film for application as a window layer in Cu(In1â^'xGax)Se2 thin film solar cell. Applied Surface Science, 2011, 257, 4026-4030.	3.1	67
7	Deep level transient spectroscopy of cyanide treated polycrystalline p-Cu2O/n-ZnO solar cell. Chemical Physics Letters, 2008, 463, 117-120.	1.2	53
8	Influence of gap states on electrical properties at interface between bathocuproine and various types of metals. Journal of Applied Physics, 2010, 107, .	1.1	51
9	Passivation of defects in polycrystalline Cu2O thin films by hydrogen or cyanide treatment. Applied Surface Science, 2003, 216, 94-97.	3.1	49
10	Electronic Structure of Bathocuproine on Metal Studied by Ultraviolet Photoemission Spectroscopy. Japanese Journal of Applied Physics, 2007, 46, 2692-2695.	0.8	45
11	Effect of Se/(Ga+In) ratio on MBE grown Cu(In,Ga)Se2 thin film solar cell. Journal of Crystal Growth, 2009, 311, 2212-2214.	0.7	40
12	Interface states atSiO2/6Hâ^'SiC(0001)interfaces observed by x-ray photoelectron spectroscopy measurements under bias:â€, Comparison between dry and wet oxidation. Physical Review B, 2003, 67, .	1.1	39
13	Passivation of defects in nitrogen-doped polycrystalline Cu2O thin films by crown-ether cyanide treatment. Applied Physics Letters, 2003, 82, 1060-1062.	1.5	38
14	Dependence of Se beam pressure on defect states in CIGS-based solar cells. Solar Energy Materials and Solar Cells, 2011, 95, 227-230.	3.0	34
15	Temperature dependence of photocapacitance spectrum of CIGS thin-film solar cell. Thin Solid Films, 2009, 517, 2403-2406.	0.8	33
16	Structural control of organic solar cells based on nonplanar metallophthalocyanine/C60 heterojunctions using organic buffer layers. Organic Electronics, 2011, 12, 966-973.	1.4	32
17	Interface Recombination of Cu₂ZnSnS₄ Solar Cells Leveraged by High Carrier Density and Interface Defects. Solar Rrl, 2021, 5, 2100418.	3.1	30
18	Fullerene mixing effect on carrier formation in bulk-hetero organic solar cell. Scientific Reports, 2015, 5, 9483.	1.6	29

#	Article	IF	Citations
19	Energy band bending induced charge accumulation at fullerene/bathocuproine heterojunction interface. Applied Physics Letters, 2012, 100, 243301.	1.5	26
20	Influence of 3,4,9,10-Perylene Tetracarboxylic Dianhydride Intermediate Layer on Molecular Orientation of Phthalocyanine. Japanese Journal of Applied Physics, 2005, 44, 1982-1986.	0.8	25
21	Control of molecular orientation of organic pâ€“iâ€“n structures by using molecular templating effect at heterointerfaces. Organic Electronics, 2007, 8, 702-708.	1.4	25
22	Molecular Orientation Control of Phthalocyanine Thin Film by Inserting Pentacene Buffer Layer. Japanese Journal of Applied Physics, 2008, 47, 1416-1418.	0.8	25
23	Time-Resolved Microphotoluminescence Study of Cu(In,Ga)Se₂. Japanese Journal of Applied Physics, 2011, 50, 05FC01.	0.8	25
24	Effects of annealing under various atmospheres on electrical properties of Cu(In,Ga)Se2 films and CdS/Cu(In,Ga)Se2 heterostructures. Thin Solid Films, 2008, 516, 7036-7040.	0.8	24
25	Impurities removal process for high-purity silica production from diatomite. Hydrometallurgy, 2018, 179, 207-214.	1.8	24
26	Effects of Zirconium Doping Into a Monoclinic Scheelite BiVO4 Crystal on Its Structural, Photocatalytic, and Photoelectrochemical Properties. Frontiers in Chemistry, 2018, 6, 266.	1.8	24
27	Novel cathode buffer layer of Ag-doped bathocuproine for small molecule organic solar cell with inverted structure. Organic Electronics, 2014, 15, 1773-1779.	1.4	23
28	Ellipsometric study of an organic template effect: H2Pc/PTCDA. Organic Electronics, 2006, 7, 521-527.	1.4	22
29	Slow intraband relaxation and localization of photogenerated carriers in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">CuIn</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Ga</mml:mi><mml:mi>x</mml:mi></mml:msub></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="... Physical Review	1.1	21
30	Photocarrier Recombination Dynamics in BiVO₄ for Visible Light-Driven Water Oxidation. Journal of Physical Chemistry C, 2020, 124, 3962-3972.	1.5	21
31	Crystalline boron monosulfide nanosheets with tunable bandgaps. Journal of Materials Chemistry A, 2021, 9, 24631-24640.	5.2	21
32	Physical and chemical aspects at the interface and in the bulk of CuInSe₂-based thin-film photovoltaics. Physical Chemistry Chemical Physics, 2022, 24, 1262-1285.	1.3	21
33	Determination of deep-level defects in Cu2ZnSn(S,Se)4 thin-films using photocapacitance method. Applied Physics Letters, 2015, 106, .	1.5	20
34	Method of observation of low density interface states by means of X-ray photoelectron spectroscopy under bias and passivation by cyanide ions. Applied Surface Science, 2006, 252, 7700-7712.	3.1	18
35	Impact of Cu/III ratio on the near-surface defects in polycrystalline CuGaSe2 thin films. Applied Physics Letters, 2011, 98, 112105.	1.5	18
36	Time-Resolved Microphotoluminescence Study of Cu(In,Ga)Se₂. Japanese Journal of Applied Physics, 2011, 50, 05FC01.	0.8	18

#	Article	IF	Citations
37	Determination of Cu(In1â^'xGax)3Se5 defect phase in MBE grown Cu(In1â^'xGax)Se2 thin film by Rietveld analysis. Solar Energy Materials and Solar Cells, 2011, 95, 231-234.	3.0	15
38	Impact of Se flux on the defect formation in polycrystalline Cu(In,Ga)Se2 thin films grown by three stage evaporation process. Journal of Applied Physics, 2013, 113, 064907.	1.1	15
39	Relationship between bandgap grading and carrier recombination for Cu(In,Ga)Se₂-based solar cells. Japanese Journal of Applied Physics, 2018, 57, 08RC08.	0.8	15
40	Effect of the double grading on the internal electric field and on the carrier collection in CIGS solar cells. Solar Energy Materials and Solar Cells, 2021, 223, 110948.	3.0	15
41	Electronic Property of Thin Single-Crystal Films of Î±-Al2O3on Ru(0001). Journal of the Physical Society of Japan, 2001, 70, 793-796.	0.7	14
42	Interaction of bathocuproine with metals (Ca, Mg, Al, Ag, and Au) studied by density functional theory. Applied Surface Science, 2010, 256, 2661-2667.	3.1	14
43	Mechanism of Incorporation of Zirconium into BiVO₄ Visible-Light Photocatalyst. Journal of Physical Chemistry C, 2021, 125, 3320-3326.	1.5	14
44	Formation of a SiO2/SiC structure at 203â€ŠÂ°C by use of perchloric acid. Applied Physics Letters, 2001, 78, 2336-2338.	1.5	13
45	Identification of defect types in moderately Si-doped GaInNAsSb layer in p-GaAs/n-GaInNAsSb/n-GaAs solar cell structure using admittance spectroscopy. Journal of Applied Physics, 2012, 112, .	1.1	13
46	Improvement of Stability for Small Molecule Organic Solar Cells by Suppressing the Trap Mediated Recombination. ACS Applied Materials & Interfaces, 2015, 7, 18379-18386.	4.0	13
47	Electrodeposition and characterization of silicon films obtained through electrochemical reduction of SiO2 nanoparticles. Thin Solid Films, 2018, 654, 1-10.	0.8	13
48	Miniaturized in-plane Ï€-type thermoelectric device composed of a IIâ€“IV semiconductor thin film prepared by microfabrication. Materials Today Energy, 2022, 28, 101075.	2.5	13
49	Ultraviolet Photoemission Study of Interaction between Bathocuproine and Calcium. Japanese Journal of Applied Physics, 2008, 47, 1397-1399.	0.8	12
50	Investigation of deep-level defects in Cu(In,Ga)Se2 thin films by two-wavelength excitation photo-capacitance spectroscopy. Applied Physics Letters, 2013, 103, 163905.	1.5	12
51	Investigation of the relative density of deep defects in Cu(In,Ga)Se2 thin films dependent on Ga content by transient photocapacitance method. Japanese Journal of Applied Physics, 2014, 53, 068008.	0.8	12
52	Low interface state density of SiC-based metalâ€“oxideâ€“semiconductor structure formed with perchloric acid at 203â€ŠÂ°C. Applied Physics Letters, 2002, 81, 271-273.	1.5	11
53	Level alignment of gap state at organic-metal interface. Journal of Applied Physics, 2009, 106, 043715.	1.1	11
54	Characterization of Cu(In,Ga)Se2 grown by MBE by two-wavelength excited photoluminescence spectroscopy. Journal of Crystal Growth, 2013, 378, 162-164.	0.7	11

#	Article	IF	Citations
55	Photocapacitance study of MBE grown GaInNAsSb thin film solar cells. Journal of Crystal Growth, 2013, 378, 57-60.	0.7	11
56	Molecular mixing in donor and acceptor domains as investigated by scanning transmission X-ray microscopy. Applied Physics Express, 2014, 7, 052302.	1.1	11
57	Effect of antimony on the deep-level traps in GaInNAsSb thin films. Applied Physics Letters, 2014, 105, .	1.5	11
58	Study of open circuit voltage loss mechanism in perovskite solar cells. Japanese Journal of Applied Physics, 2021, 60, SBBF13.	0.8	11
59	A new anodic buffer layer material for non-mixed planar heterojunction chloroboron subphthalocyanine organic photovoltaic achieving 96% internal quantum efficiency. Solar Energy Materials and Solar Cells, 2015, 137, 138-145.	3.0	10
60	A comparative study on charge carrier recombination across the junction region of Cu2ZnSn(S,Se)4 and Cu(In,Ga)Se2 thin film solar cells. AIP Advances, 2016, 6, .	0.6	10
61	Hydrogen isotope tracer experiment in a-C:H film deposition: Reactive RF magnetron sputtering with CH4 and D2. Diamond and Related Materials, 2012, 27-28, 60-63.	1.8	9
62	Vacancy behavior in Cu(In1â^'Ga)Se2 layers grown by a three-stage coevaporation process probed by monoenergetic positron beams. Thin Solid Films, 2016, 603, 418-423.	0.8	9
63	Study of defect properties and recombination mechanism in rubidium treated Cu(In, Ga)Se2 solar cells. Journal of Applied Physics, 2021, 129, .	1.1	9
64	Growth Process of Phthalocyanine Films Deposited on 3,4,9,10-Perylene Tetracarboxylic Dianhydride Template Layers. Japanese Journal of Applied Physics, 2006, 45, 255-259.	0.8	8
65	Electronic states at 4,4â€²-N,Nâ€²-dicarbazol-biphenyl (CBP)â€“metal (Mg, Ag, and Au) interfaces: A joint experimental and theoretical study. Current Applied Physics, 2011, 11, 346-352.	1.1	8
66	Cu-dependent phase transition in polycrystalline CuGaSe2 thin films grown by three-stage process. Journal of Applied Physics, 2011, 110, 014903.	1.1	8
67	Favorable electronic structure for organic solar cells induced by strong interaction at interface. Journal of Applied Physics, 2013, 114, 183707.	1.1	8
68	Fabrication of Mg2Sn(111) film by molecular beam epitaxy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	0.9	8
69	Effects of incorporation of Ag into a kesterite Cu₂ZnSnS₄thin film on its photoelectrochemical properties for water reduction. Physical Chemistry Chemical Physics, 2021, 24, 468-476.	1.3	8
70	High power factor in epitaxial Mg2Sn thin films via Ga doping. Applied Physics Letters, 2021, 119, .	1.5	8
71	SiC/SiO2 interface states observed by x-ray photoelectron spectroscopy measurements under bias. Applied Physics Letters, 2001, 78, 96-98.	1.5	7
72	Study of Structural and Optical Properties of Electrodeposited Silicon Films on Graphite Substrates. Nanomaterials, 2022, 12, 363.	1.9	7

#	Article	IF	Citations
73	Investigation of relation between Ga concentration and defect levels of Al/Cu(In,Ga)Se2 Schottky junctions using admittance spectroscopy. Thin Solid Films, 2007, 515, 6208-6211.	0.8	6
74	Orientation-Controlled Phthalocyanine-Based Photovoltaic Cell Formed on Pentacene Buffer Layer. Nanoscience and Nanotechnology Letters, 2009, 1, 23-27.	0.4	6
75	Interaction of Bathocuproine with Ca and Au Studied by Density Functional Theory. Japanese Journal of Applied Physics, 2009, 48, 125504.	0.8	6
76	A novel synthesis method and up-conversion properties of hexagonal-phase NaYF4:Er nano-crystals. Journal of Rare Earths, 2013, 31, 267-270.	2.5	6
77	Effect of Ag-doped bathocuproine on the recombination properties of exciton in fullerene. Journal of Crystal Growth, 2013, 378, 415-417.	0.7	6
78	Depth Profile of Impurity Phase in Wide-Bandgap Cu(In1â^'x,Gax)Se2 Film Fabricated by Three-Stage Process. Journal of Electronic Materials, 2018, 47, 4944-4949.	1.0	6
79	Influence of potassium treatment on electronic properties of Cu(In_{1â^'} <i> _x) Tj ETQq1 1 0.784314 rgBT /Ov Japanese Journal of Applied Physics, 2018, 57, 08RC13.	0.8	6
80	Improvement of power factor in the room temperature range of Mg₂Sn_{1â^'x}Ge_x. Japanese Journal of Applied Physics, 2021, 60, SBBF06.	0.8	6
81	Identification of deep level defects in CdTe solar cells using transient photo-capacitance spectroscopy. Japanese Journal of Applied Physics, 2021, 60, SBBF01.	0.8	6
82	Electrical properties of the silicon oxide/Si structure formed with perchloric acid at 203Â°C. Solid State Communications, 2001, 118, 391-394.	0.9	5
83	Effect of Ga/Cu Ratio on Polycrystalline Thin Film Solar Cell. Advances in OptoElectronics, 2011, 2011, 1-6.	0.6	5
84	Effect of bathocuproine buffer layer in small molecule organic solar cells with inverted structure. Japanese Journal of Applied Physics, 2015, 54, 04DK06.	0.8	5
85	Investigation of the properties of deep-level defect in Cu(In,Ga)Se₂thin films by steady-state photocapacitance and time-resolved photoluminescence measurements. Japanese Journal of Applied Physics, 2015, 54, 04DR02.	0.8	5
86	Wavelength-dependent Jâ€“V characteristics of CuIn1-x Ga x (S,Se)2 solar cells and carrier recombination. Applied Physics Express, 2019, 12, 061001.	1.1	5
87	Carrier transport mechanism of diamond p⁺â€“n junction at low temperature using Schottkyâ€“pn junction structure. Japanese Journal of Applied Physics, 2021, 60, 030905.	0.8	5
88	Structural and Optical Properties of Phthalocyanine Thin Films Grown on Glass with 3,4,9,10-Perylene Tetracarboxylic Dianhydride Intermediate Layer. Japanese Journal of Applied Physics, 2006, 45, 397-400.	0.8	4
89	A lowâ€leakage and reduced current collapse AlGaN/GaN heterojunction field effect transistor with AlO_x gate insulator formed by metalâ€organic chemical vapor deposition. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 1986-1988.	0.8	4
90	Barrier formation at organic-metal interfaces studied by density functional theory. Current Applied Physics, 2011, 11, 447-450.	1.1	4

#	Article	IF	Citations
91	Effect of Er³⁺ Concentration on Upconversion in Hexagonal-Phase NaYF₄:Er³⁺ Nanocrystals. Journal of Physics: Conference Series, 2013, 417, 012054.	0.3	4
92	Investigation of deep-level defects in Cu(In,Ga)Se2 thin films by a steady-state photocapacitance method. Journal of Applied Physics, 2014, 116, 163703.	1.1	4
93	Study of time-resolved photoluminescence in Cu₂ZnSn(S,Se)₄thin films with different Cu/Sn ratio. Japanese Journal of Applied Physics, 2015, 54, 08KC15.	0.8	4
94	Individual identification of free hole and electron dynamics in CuIn1â^'xGaxSe2 thin films by simultaneous monitoring of two optical transitions. Applied Physics Letters, 2015, 106, .	1.5	4
95	Effect of Radio-Frequency Power on the Composition of BiVO4 Thin-Film Photoanodes Sputtered from a Single Target. Energies, 2021, 14, 2122.	1.6	4
96	Self-Flux Method in Sputtered BiVO₄ Films for Enhanced Photoelectrochemical Performance. ACS Applied Energy Materials, 2022, 5, 4191-4201.	2.5	4
97	Comparative Study on Structural Properties of Poly(3-hexylthiophene) and Poly(3-hexylthiophene):6,6-Phenyl-C61Butyric Acid Methyl Ester Thin Films Using Synchrotron X-ray Diffraction. Japanese Journal of Applied Physics, 2010, 49, 01AC01.	0.8	3
98	Effect of doping on metal doped semiconductor. Current Applied Physics, 2011, 11, 188-190.	1.1	3
99	Dependence of substrate work function on the energy-level alignment at organicâ€“organic heterojunction interface. Japanese Journal of Applied Physics, 2019, 58, SBBG06.	0.8	3
100	Study of ion-implanted nitrogen related defects in diamond Schottky barrier diode by transient photocapacitance and photoluminescence spectroscopy. Japanese Journal of Applied Physics, 2021, 60, SBBD07.	0.8	3
101	Performance improvement of CdS/CdTe solar cells by incorporation of CdSe layers. Journal of Materials Science: Materials in Electronics, 2021, 32, 19083-19094.	1.1	3
102	SiC/SiO2Structure Formed at â^¼ 200Â°C by Heat Treatment at 950Â°C Having Excellent Electrical Characteristics. Japanese Journal of Applied Physics, 2002, 41, 2516-2518.	0.8	2
103	Study on electrical properties of Al/Cu(In,Ga)Se2 Schottky junction and ZnO/CdS/Cu(In,Ga)Se2 heterojunction using admittance spectroscopy. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 2576-2580.	0.8	2
104	Study of recombination process in Cu<inf>2</inf>ZnSnS<inf>4</inf> thin film using two-wavelength excited photoluminescence. , 2014, , .		2
105	Study of Cu2ZnSn(S,Se)4Thin Films for Solar Cell Application. Journal of Physics: Conference Series, 2015, 596, 012019.	0.3	2
106	Charge transfer induced by MoO3 at boron subphthalocyanine chloride/Î±-sexithiophene heterojunction interface. Japanese Journal of Applied Physics, 2018, 57, 03EE01.	0.8	2
107	Deep level emission in polycrystalline CuGaSe₂ thin-films observed by micro-photoluminescence. Japanese Journal of Applied Physics, 2018, 57, 08RC02.	0.8	2
108	Study of local structure at crystalline rubrene grain boundaries via scanning transmission X-ray microscopy. Organic Electronics, 2019, 74, 315-320.	1.4	2

#	Article	IF	Citations
109	Investigation of stress at SiO₂/4H-SiC interface induced by thermal oxidation by confocal Raman microscopy. Japanese Journal of Applied Physics, 2019, 58, SBBD03.	0.8	2
110	Study of defects in diamond Schottky barrier diode by photocurrent spectroscopy. Japanese Journal of Applied Physics, 2020, 59, SGGK14.	0.8	2
111	Photo-induced conductivity transient in n-type Î²-(Al0.16Ga0.84)2O3 and Î²-Ga2O3. Japanese Journal of Applied Physics, 2021, 60, SBBD15.	0.8	2
112	Energy Level Alignment of C60/Ca Interface with Bathocuproine as an Interlayer Studied by Ultraviolet Photoelectron Spectroscopy. Japanese Journal of Applied Physics, 2012, 51, 10NE32.	0.8	2
113	Optical and Electrical Transport Evaluations of n-Type Iron Pyrite Single Crystals. ACS Omega, 2021, 6, 31358-31365.	1.6	2
114	Analysis of the combined effect of long-term heat light soaking and KF/NaF post-deposition treatment on the open-circuit voltage loss in CIGS solar cells. Japanese Journal of Applied Physics, 2022, 61, SC1050.	0.8	2
115	Facile Fabrication of N-Type Flexible CoSb3-xTex Skutterudite/PEDOT:PSS Hybrid Thermoelectric Films. Polymers, 2022, 14, 1986.	2.0	2
116	Improved Contact Resistance in AlGaN/GaN Heterostructures by Titanium Distribution Control at the Metalâ€“Semiconductor Interface. Applied Physics Express, 0, 1, 081101.	1.1	1
117	Energy level alignment at interfaces between 3-(4-biphenylyl)-4-phenyl-5-(4-tert-butyl phenyl)-1, 2, 4-triazole (TAZ) and metals (Ca, Mg, Ag, and Au): experiment and theory. Journal of Solid State Electrochemistry, 2012, 16, 1141-1149.	1.2	1
118	Role of electrode buffer layers in organic solar cells. , 2013, , .		1
119	Defect study of Cu<inf>2</inf>ZnSn(S,Se)<inf>4</inf> thin film with different Cu/Sn ratio by admittance spectroscopy. , 2014, , .		1
120	Compositional dependence photoluminescence study of polycrystalline CuGaSe2 thin films. , 2015, , .		1
121	Domain structure and electronic state in P3HT:PCBM blend thin films by soft X-ray resonant scattering. Journal of Applied Physics, 2016, 120, .	1.1	1
122	Electrodeposition of Si-layer Through Reduction of Diatomaceous Earth for the Application of Solar-Cells. , 2017, , .		1
123	Impact of carrier doping on electrical properties of laser-induced liquid-phase-crystallized silicon thin films for solar cell application. Japanese Journal of Applied Physics, 2018, 57, 021302.	0.8	1
124	Photoconductivity buildup and decay kinetics in unintentionally doped Î²-Ga₂O₃. Japanese Journal of Applied Physics, 0, , .	0.8	1
125	Influence of lattice-matching on structural properties of GaInNAs epitaxial films grown on GaAs. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 2224-2227.	0.8	0
126	Study on deep defects in Cu(In,Ga)Se<inf>2</inf> solar cells by photocapacitance spectroscopy. Conference Record of the IEEE Photovoltaic Specialists Conference, 2008, , .	0.0	0

#	Article	IF	Citations
127	Critical issues for high-efficiency low-cost CIGS solar cells and modules. , 2010, , .		0
128	Energy Level Alignment of C$_{60}$/Ca Interface with Bathocuproine as an Interlayer Studied by Ultraviolet Photoelectron Spectroscopy. Japanese Journal of Applied Physics, 2012, 51, 10NE32.	0.8	0
129	Morphology of F8T2/PC71BM Blend Film as Investigated by Scanning Transmission X-ray Microscope (STXM). Molecular Crystals and Liquid Crystals, 2015, 620, 32-37.	0.4	0
130	Photocarrier recombination dynamics in Cu2ZnSn(S,Se)4 and Cu(In,Ga)Se2 studied by temperature-dependent time resolved Photoluminescence (TR-PL). , 2015, , .		0
131	An optimized photolithography recipe for Cu(In1-x,Gax)(Sy,Se1-y)2(CIGSSe) solar cells. , 2017, , .		0
132	Study of Defect Properties in CuGaSe2 Thin-Film Solar-Cells Using Admittance Spectroscopy. , 2017, , .		0
133	The effect of cathode buffer in small molecule organic solar cells. , 0, , .		0
134	Characterization of Defect Properties in Wide-Gap CuGaSe2 Thin-Film Solar-Cells. Nanoscience and Nanotechnology Letters, 2018, 10, 559-564.	0.4	0
135	Understanding the role of Se in defect reduction in CdTe photovoltaics. , 2020, , .		0
136	Optically detected magnetic resonance of nitrogen-vacancy centers in vertical diamond Schottky diodes. Japanese Journal of Applied Physics, 2022, 61, SC1061.	0.8	0