

# Takeaki Sakurai

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Physical and chemical aspects at the interface and in the bulk of $\text{CuInSe}_2$ -based thin-film photovoltaics. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 1262-1285.	1.3	21
2	Study of Structural and Optical Properties of Electrodeposited Silicon Films on Graphite Substrates. <i>Nanomaterials</i> , 2022, 12, 363.	1.9	7
3	Optically detected magnetic resonance of nitrogen-vacancy centers in vertical diamond Schottky diodes. <i>Japanese Journal of Applied Physics</i> , 2022, 61, SC1061.	0.8	0
4	Analysis of the combined effect of long-term heat light soaking and $\text{KF/NaF}$ post-deposition treatment on the open-circuit voltage loss in CIGS solar cells. <i>Japanese Journal of Applied Physics</i> , 2022, 61, SC1050.	0.8	2
5	Self-Flux Method in Sputtered $\text{BiVO}_4$ Films for Enhanced Photoelectrochemical Performance. <i>ACS Applied Energy Materials</i> , 2022, 5, 4191-4201.	2.5	4
6	Facile Fabrication of N-Type Flexible $\text{CoSb}_3$ -x $\text{Te}$ Skutterudite/PEDOT:PSS Hybrid Thermoelectric Films. <i>Polymers</i> , 2022, 14, 1986.	2.0	2
7	Miniaturized in-plane $\text{p-n}$ type thermoelectric device composed of a $\text{In}_2\text{Te}$ semiconductor thin film prepared by microfabrication. <i>Materials Today Energy</i> , 2022, 28, 101075.	2.5	13
8	Study of open circuit voltage loss mechanism in perovskite solar cells. <i>Japanese Journal of Applied Physics</i> , 2021, 60, SBBF13.	0.8	11
9	Study of ion-implanted nitrogen related defects in diamond Schottky barrier diode by transient photocapacitance and photoluminescence spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2021, 60, SBBD07.	0.8	3
10	Mechanism of Incorporation of Zirconium into $\text{BiVO}_4$ Visible-Light Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2021, 125, 3320-3326.	1.5	14
11	Improvement of power factor in the room temperature range of $\text{Mg}_2\text{Sn}_{1-x}\text{Ge}_x$ . <i>Japanese Journal of Applied Physics</i> , 2021, 60, SBBF06.	0.8	6
12	Carrier transport mechanism of diamond $\text{p-n}$ junction at low temperature using Schottky $\text{pn}$ junction structure. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 030905.	0.8	5
13	Photo-induced conductivity transient in n-type $\text{In}_2(\text{Al}_{0.16}\text{Ga}_{0.84})_2\text{O}_3$ and $\text{In}_2\text{Ga}_2\text{O}_3$ . <i>Japanese Journal of Applied Physics</i> , 2021, 60, SBBD15.	0.8	2
14	Effect of Radio-Frequency Power on the Composition of $\text{BiVO}_4$ Thin-Film Photoanodes Sputtered from a Single Target. <i>Energies</i> , 2021, 14, 2122.	1.6	4
15	Study of defect properties and recombination mechanism in rubidium treated $\text{Cu}(\text{In}, \text{Ga})\text{Se}_2$ solar cells. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	9
16	Effect of the double grading on the internal electric field and on the carrier collection in CIGS solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2021, 223, 110948.	3.0	15
17	Performance improvement of $\text{CdS/CdTe}$ solar cells by incorporation of $\text{CdSe}$ layers. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 19083-19094.	1.1	3
18	Interface Recombination of $\text{Cu}_2\text{ZnSnS}_4$ Solar Cells Leveraged by High Carrier Density and Interface Defects. <i>Solar Rrl</i> , 2021, 5, 2100418.	3.1	30

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19	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
20	Crystalline boron monosulfide nanosheets with tunable bandgaps. Journal of Materials Chemistry A, 2021, 9, 24631-24640.	5.2	21
21	Optical and Electrical Transport Evaluations of n-Type Iron Pyrite Single Crystals. ACS Omega, 2021, 6, 31358-31365.	1.6	2
22	Effects of incorporation of Ag into a kesterite $\text{Cu}_2\text{ZnSnS}_4$ thin film on its photoelectrochemical properties for water reduction. Physical Chemistry Chemical Physics, 2021, 24, 468-476.	1.3	8
23	High power factor in epitaxial $\text{Mg}_2\text{Sn}$ thin films via Ga doping. Applied Physics Letters, 2021, 119, .	1.5	8
24	Photocarrier Recombination Dynamics in $\text{BiVO}_4$ for Visible Light-Driven Water Oxidation. Journal of Physical Chemistry C, 2020, 124, 3962-3972.	1.5	21
25	Study of defects in diamond Schottky barrier diode by photocurrent spectroscopy. Japanese Journal of Applied Physics, 2020, 59, SGCK14.	0.8	2
26	Understanding the role of Se in defect reduction in CdTe photovoltaics. , 2020, , .		0
27	Study of local structure at crystalline rubrene grain boundaries via scanning transmission X-ray microscopy. Organic Electronics, 2019, 74, 315-320.	1.4	2
28	Investigation of stress at $\text{SiO}_2/\text{4H-SiC}$ interface induced by thermal oxidation by confocal Raman microscopy. Japanese Journal of Applied Physics, 2019, 58, SBBD03.	0.8	2
29	Wavelength-dependent $J-V$ characteristics of $\text{CuIn}_{1-x}\text{Ga}_x(\text{S,Se})_2$ solar cells and carrier recombination. Applied Physics Express, 2019, 12, 061001.	1.1	5
30	Dependence of substrate work function on the energy-level alignment at organic-organic heterojunction interface. Japanese Journal of Applied Physics, 2019, 58, SBBC06.	0.8	3
31	Fabrication of $\text{Mg}_2\text{Sn}(111)$ film by molecular beam epitaxy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	0.9	8
32	Depth Profile of Impurity Phase in Wide-Bandgap $\text{Cu}(\text{In}_{1-x}\text{Ga}_x)\text{Se}_2$ Film Fabricated by Three-Stage Process. Journal of Electronic Materials, 2018, 47, 4944-4949.	1.0	6
33	Charge transfer induced by $\text{MoO}_3$ at boron subphthalocyanine chloride/ $\beta$ -sexithiophene heterojunction interface. Japanese Journal of Applied Physics, 2018, 57, 03EE01.	0.8	2
34	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
35	Electrodeposition and characterization of silicon films obtained through electrochemical reduction of $\text{SiO}_2$ nanoparticles. Thin Solid Films, 2018, 654, 1-10.	0.8	13
36	Impurities removal process for high-purity silica production from diatomite. Hydrometallurgy, 2018, 179, 207-214.	1.8	24

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37	Energy Level Alignment at Interfaces in Metal Halide Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800260.	1.9	215
38	Effects of Zirconium Doping Into a Monoclinic Scheelite BiVO <sub>4</sub> Crystal on Its Structural, Photocatalytic, and Photoelectrochemical Properties. <i>Frontiers in Chemistry</i> , 2018, 6, 266.	1.8	24
39	Relationship between bandgap grading and carrier recombination for Cu(In,Ga)Se <sub>2</sub> -based solar cells. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 08RC08.	0.8	15
40	Influence of potassium treatment on electronic properties of Cu(In <sub>1-x</sub> Ga <sub>x</sub> )Se <sub>2</sub> thin films. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 08RC13.	0.8	6
41	Deep level emission in polycrystalline CuGaSe <sub>2</sub> thin-films observed by micro-photoluminescence. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 08RC02.	0.8	2
42	Characterization of Defect Properties in Wide-Gap CuGaSe <sub>2</sub> Thin-Film Solar-Cells. <i>Nanoscience and Nanotechnology Letters</i> , 2018, 10, 559-564.	0.4	0
43	Electrodeposition of Si-layer Through Reduction of Diatomaceous Earth for the Application of Solar-Cells. , 2017, , .		1
44	An optimized photolithography recipe for Cu(In <sub>1-x</sub> Ga <sub>x</sub> )(S <sub>y</sub> Se <sub>1-y</sub> ) <sub>2</sub> (CIGS <sub>Se</sub> ) solar cells. , 2017, , .		0
45	Study of Defect Properties in CuGaSe <sub>2</sub> Thin-Film Solar-Cells Using Admittance Spectroscopy. , 2017, , .		0
46	Domain structure and electronic state in P3HT:PCBM blend thin films by soft X-ray resonant scattering. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	1
47	A comparative study on charge carrier recombination across the junction region of Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> and Cu(In,Ga)Se <sub>2</sub> thin film solar cells. <i>AIP Advances</i> , 2016, 6, .	0.6	10
48	Vacancy behavior in Cu(In <sub>1-x</sub> Ga <sub>x</sub> )Se <sub>2</sub> layers grown by a three-stage coevaporation process probed by monoenergetic positron beams. <i>Thin Solid Films</i> , 2016, 603, 418-423.	0.8	9
49	Compositional dependence photoluminescence study of polycrystalline CuGaSe <sub>2</sub> thin films. , 2015, , .		1
50	Effect of bathocuproine buffer layer in small molecule organic solar cells with inverted structure. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 04DK06.	0.8	5
51	Study of time-resolved photoluminescence in Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> thin films with different Cu/Sn ratio. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 08KC15.	0.8	4
52	Morphology of F8T2/PC71BM Blend Film as Investigated by Scanning Transmission X-ray Microscope (STXM). <i>Molecular Crystals and Liquid Crystals</i> , 2015, 620, 32-37.	0.4	0
53	Photocarrier recombination dynamics in Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> and Cu(In,Ga)Se <sub>2</sub> studied by temperature-dependent time resolved Photoluminescence (TR-PL). , 2015, , .		0
54	Investigation of the properties of deep-level defect in Cu(In,Ga)Se <sub>2</sub> thin films by steady-state photocapacitance and time-resolved photoluminescence measurements. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 04DR02.	0.8	5

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55	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
56	Determination of deep-level defects in Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> thin-films using photocapacitance method. Applied Physics Letters, 2015, 106, .	1.5	20
57	Study of Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> Thin Films for Solar Cell Application. Journal of Physics: Conference Series, 2015, 596, 012019.	0.3	2
58	Individual identification of free hole and electron dynamics in CuIn <sub>1-x</sub> Ga <sub>x</sub> Se <sub>2</sub> thin films by simultaneous monitoring of two optical transitions. Applied Physics Letters, 2015, 106, .	1.5	4
59	Fullerene mixing effect on carrier formation in bulk-hetero organic solar cell. Scientific Reports, 2015, 5, 9483.	1.6	29
60	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
61	Molecular mixing in donor and acceptor domains as investigated by scanning transmission X-ray microscopy. Applied Physics Express, 2014, 7, 052302.	1.1	11
62	Study of recombination process in Cu <sub>2</sub> ZnSnS <sub>4</sub> thin film using two-wavelength excited photoluminescence. , 2014, , .		2
63	Defect study of Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> thin film with different Cu/Sn ratio by admittance spectroscopy. , 2014, , .		1
64	Investigation of deep-level defects in Cu(In,Ga)Se <sub>2</sub> thin films by a steady-state photocapacitance method. Journal of Applied Physics, 2014, 116, 163703.	1.1	4
65	Effect of antimony on the deep-level traps in GaInNAsSb thin films. Applied Physics Letters, 2014, 105, .	1.5	11
66	Slow intraband relaxation and localization of photogenerated carriers in CuIn <sub>1-x</sub> Ga <sub>x</sub> Se <sub>2</sub> thin films. Applied Physics Letters, 2014, 105, .	1.1	21
67	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
68	Investigation of the relative density of deep defects in Cu(In,Ga)Se <sub>2</sub> thin films dependent on Ga content by transient photocapacitance method. Japanese Journal of Applied Physics, 2014, 53, 068008.	0.8	12
69	A novel synthesis method and up-conversion properties of hexagonal-phase NaYF <sub>4</sub> :Er nano-crystals. Journal of Rare Earths, 2013, 31, 267-270.	2.5	6
70	Impact of Se flux on the defect formation in polycrystalline Cu(In,Ga)Se <sub>2</sub> thin films grown by three stage evaporation process. Journal of Applied Physics, 2013, 113, 064907.	1.1	15
71	Characterization of Cu(In,Ga)Se <sub>2</sub> grown by MBE by two-wavelength excited photoluminescence spectroscopy. Journal of Crystal Growth, 2013, 378, 162-164.	0.7	11
72	Role of electrode buffer layers in organic solar cells. , 2013, , .		1

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73	Effect of Ag-doped bathocuproine on the recombination properties of exciton in fullerene. Journal of Crystal Growth, 2013, 378, 415-417.	0.7	6
74	Investigation of deep-level defects in Cu(In,Ga)Se <sub>2</sub> thin films by two-wavelength excitation photo-capacitance spectroscopy. Applied Physics Letters, 2013, 103, 163905.	1.5	12
75	Photocapacitance study of MBE grown GaInNAsSb thin film solar cells. Journal of Crystal Growth, 2013, 378, 57-60.	0.7	11
76	Effect of Er <sup>3+</sup> Concentration on Upconversion in Hexagonal-Phase NaYF <sub>4</sub> :Er <sup>3+</sup> Nanocrystals. Journal of Physics: Conference Series, 2013, 417, 012054.	0.3	4
77	Favorable electronic structure for organic solar cells induced by strong interaction at interface. Journal of Applied Physics, 2013, 114, 183707.	1.1	8
78	Energy Level Alignment of C <sub>60</sub> /Ca Interface with Bathocuproine as an Interlayer Studied by Ultraviolet Photoelectron Spectroscopy. Japanese Journal of Applied Physics, 2012, 51, 10NE32.	0.8	0
79	Identification of defect types in moderately Si-doped GaInNAsSb layer in p-n-GaAs/n-GaInNAsSb/n-GaAs solar cell structure using admittance spectroscopy. Journal of Applied Physics, 2012, 112, .	1.1	13
80	Hydrogen isotope tracer experiment in a-C:H film deposition: Reactive RF magnetron sputtering with CH <sub>4</sub> and D <sub>2</sub> . Diamond and Related Materials, 2012, 27-28, 60-63.	1.8	9
81	Energy band bending induced charge accumulation at fullerene/bathocuproine heterojunction interface. Applied Physics Letters, 2012, 100, 243301.	1.5	26
82	Energy level alignment at interfaces between 3-(4-biphenyl)-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
83	Energy Level Alignment of C <sub>60</sub> /Ca Interface with Bathocuproine as an Interlayer Studied by Ultraviolet Photoelectron Spectroscopy. Japanese Journal of Applied Physics, 2012, 51, 10NE32.	0.8	2
84	Impact of Cu/III ratio on the near-surface defects in polycrystalline CuGaSe <sub>2</sub> thin films. Applied Physics Letters, 2011, 98, 112105.	1.5	18
85	Effect of Ga/Cu Ratio on Polycrystalline Thin Film Solar Cell. Advances in OptoElectronics, 2011, 2011, 1-6.	0.6	5
86	Effect of doping on metal doped semiconductor. Current Applied Physics, 2011, 11, 188-190.	1.1	3
87	Electronic states at 4,4'-N,N'-dicarbazol-biphenyl (CBP)-metal (Mg, Ag, and Au) interfaces: A joint experimental and theoretical study. Current Applied Physics, 2011, 11, 346-352.	1.1	8
88	Barrier formation at organic-metal interfaces studied by density functional theory. Current Applied Physics, 2011, 11, 447-450.	1.1	4
89	Thickness study of Al:ZnO film for application as a window layer in Cu(In <sub>1-x</sub> Ga <sub>x</sub> )Se <sub>2</sub> thin film solar cell. Applied Surface Science, 2011, 257, 4026-4030.	3.1	67
90	Structural control of organic solar cells based on nonplanar metallophthalocyanine/C <sub>60</sub> heterojunctions using organic buffer layers. Organic Electronics, 2011, 12, 966-973.	1.4	32

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91	Determination of Cu(In $_{1-x}$ Ga $_x$ ) $_3$ Se $_5$ defect phase in MBE grown Cu(In $_{1-x}$ Ga $_x$ )Se $_2$ thin film by Rietveld analysis. Solar Energy Materials and Solar Cells, 2011, 95, 231-234.	3.0	15
92	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
93	Cu-dependent phase transition in polycrystalline CuGaSe $_2$ thin films grown by three-stage process. Journal of Applied Physics, 2011, 110, 014903.	1.1	8
94	Time-Resolved Microphotoluminescence Study of Cu(In,Ga)Se $_2$ . Japanese Journal of Applied Physics, 2011, 50, 05FC01.	0.8	18
95	Time-Resolved Microphotoluminescence Study of Cu(In,Ga)Se $_2$ . Japanese Journal of Applied Physics, 2011, 50, 05FC01.	0.8	25
96	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
97	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
98	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
99	Critical issues for high-efficiency low-cost CIGS solar cells and modules. , 2010, , .		0
100	Orientation-Controlled Phthalocyanine-Based Photovoltaic Cell Formed on Pentacene Buffer Layer. Nanoscience and Nanotechnology Letters, 2009, 1, 23-27.	0.4	6
101	Level alignment of gap state at organic-metal interface. Journal of Applied Physics, 2009, 106, 043715.	1.1	11
102	Interaction of Bathocuproine with Ca and Au Studied by Density Functional Theory. Japanese Journal of Applied Physics, 2009, 48, 125504.	0.8	6
103	Temperature dependence of photocapacitance spectrum of CIGS thin-film solar cell. Thin Solid Films, 2009, 517, 2403-2406.	0.8	33
104	CIGS solar cell with MBE-grown ZnS buffer layer. Solar Energy Materials and Solar Cells, 2009, 93, 970-972.	3.0	130
105	Effect of Se/(Ga+In) ratio on MBE grown Cu(In,Ga)Se $_2$ thin film solar cell. Journal of Crystal Growth, 2009, 311, 2212-2214.	0.7	40
106	Na-induced variations in the structural, optical, and electrical properties of Cu(In,Ga)Se $_2$ thin films. Journal of Applied Physics, 2009, 106, .	1.1	148
107	Effects of annealing under various atmospheres on electrical properties of Cu(In,Ga)Se $_2$ films and CdS/Cu(In,Ga)Se $_2$ heterostructures. Thin Solid Films, 2008, 516, 7036-7040.	0.8	24
108	A low leakage and reduced current collapse AlGaIn/GaN heterojunction field effect transistor with AlO $_x$ gate insulator formed by metal-organic chemical vapor deposition. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 1986-1988.	0.8	4

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109	Deep level transient spectroscopy of cyanide treated polycrystalline p-Cu <sub>2</sub> O/n-ZnO solar cell. Chemical Physics Letters, 2008, 463, 117-120.	1.2	53
110	Molecular Orientation Control of Phthalocyanine Thin Film by Inserting Pentacene Buffer Layer. Japanese Journal of Applied Physics, 2008, 47, 1416-1418.	0.8	25
111	Ultraviolet Photoemission Study of Interaction between Bathocuproine and Calcium. Japanese Journal of Applied Physics, 2008, 47, 1397-1399.	0.8	12
112	Study on deep defects in Cu(In,Ga)Se <sub>2</sub> solar cells by photocapacitance spectroscopy. Conference Record of the IEEE Photovoltaic Specialists Conference, 2008, , .	0.0	0
113	Electronic Structure of Bathocuproine on Metal Studied by Ultraviolet Photoemission Spectroscopy. Japanese Journal of Applied Physics, 2007, 46, 2692-2695.	0.8	45
114	Control of molecular orientation of organic pπ-π structures by using molecular templating effect at heterointerfaces. Organic Electronics, 2007, 8, 702-708.	1.4	25
115	Investigation of relation between Ga concentration and defect levels of Al/Cu(In,Ga)Se <sub>2</sub> Schottky junctions using admittance spectroscopy. Thin Solid Films, 2007, 515, 6208-6211.	0.8	6
116	Defects in Cu <sub>2</sub> O studied by deep level transient spectroscopy. Applied Physics Letters, 2006, 88, 141901.	1.5	88
117	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
118	Study on electrical properties of Al/Cu(In,Ga)Se <sub>2</sub> Schottky junction and ZnO/CdS/Cu(In,Ga)Se <sub>2</sub> heterojunction using admittance spectroscopy. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 2576-2580.	0.8	2
119	Ellipsometric study of an organic template effect: H <sub>2</sub> Pc/PTCDA. Organic Electronics, 2006, 7, 521-527.	1.4	22
120	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
121	Thin film deposition of Cu <sub>2</sub> O and application for solar cells. Solar Energy, 2006, 80, 715-722.	2.9	359
122	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
123	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
124	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
125	Passivation of defects in polycrystalline Cu <sub>2</sub> O thin films by hydrogen or cyanide treatment. Applied Surface Science, 2003, 216, 94-97.	3.1	49
126	Passivation of defects in nitrogen-doped polycrystalline Cu <sub>2</sub> O thin films by crown-ether cyanide treatment. Applied Physics Letters, 2003, 82, 1060-1062.	1.5	38



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127	Interface states at SiO <sub>2</sub> /6H <sup>~</sup> SiC(0001) interfaces observed by x-ray photoelectron spectroscopy measurements under bias: Comparison between dry and wet oxidation. Physical Review B, 2003, 67, .	1.1	39
128	Low interface state density of SiC-based metal-oxide-semiconductor structure formed with perchloric acid at 203 <sup>~</sup> Å°C. Applied Physics Letters, 2002, 81, 271-273.	1.5	11
129	SiC/SiO <sub>2</sub> Structure Formed at <sup>~</sup> ¼ 200 <sup>~</sup> Å°C by Heat Treatment at 950 <sup>~</sup> Å°C Having Excellent Electrical Characteristics. Japanese Journal of Applied Physics, 2002, 41, 2516-2518.	0.8	2
130	Electronic Property of Thin Single-Crystal Films of <sup>~</sup> ±-Al <sub>2</sub> O <sub>3</sub> on Ru(0001). Journal of the Physical Society of Japan, 2001, 70, 793-796.	0.7	14
131	Electrical properties of the silicon oxide/Si structure formed with perchloric acid at 203 <sup>~</sup> Å°C. Solid State Communications, 2001, 118, 391-394.	0.9	5
132	Formation of a SiO <sub>2</sub> /SiC structure at 203 <sup>~</sup> Å°C by use of perchloric acid. Applied Physics Letters, 2001, 78, 2336-2338.	1.5	13
133	SiC/SiO <sub>2</sub> interface states observed by x-ray photoelectron spectroscopy measurements under bias. Applied Physics Letters, 2001, 78, 96-98.	1.5	7
134	Improved Contact Resistance in AlGa <sub>N</sub> /Ga <sub>N</sub> Heterostructures by Titanium Distribution Control at the Metal-Semiconductor Interface. Applied Physics Express, 0, 1, 081101.	1.1	1
135	The effect of cathode buffer in small molecule organic solar cells. , 0, , .		0
136	Photoconductivity buildup and decay kinetics in unintentionally doped <sup>~</sup> 2-Ga <sub>2</sub> O <sub>3</sub> . Japanese Journal of Applied Physics, 0, , .	0.8	1