

Yasuyoshi Kurokawa

List of Publications by Year in descending order

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124
docs citations

124
times ranked

999
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Preparation of Nanocrystalline Silicon in Amorphous Silicon Carbide Matrix. Japanese Journal of Applied Physics, 2006, 45, L1064-L1066. | 1.5 | 78 |
| 2 | Photoluminescence from Silicon Quantum Dots in Si Quantum Dots/Amorphous SiC Superlattice. Japanese Journal of Applied Physics, 2007, 46, L833-L835. | 1.5 | 74 |
| 3 | Numerical study of Cu(In,Ga)Se ₂ solar cell performance toward 23% conversion efficiency. Japanese Journal of Applied Physics, 2014, 53, 012301. | 1.5 | 68 |
| 4 | Improvement of carrier diffusion length in silicon nanowire arrays using atomic layer deposition. Nanoscale Research Letters, 2013, 8, 361. | 5.7 | 39 |
| 5 | Optical assessment of silicon nanowire arrays fabricated by metal-assisted chemical etching. Nanoscale Research Letters, 2013, 8, 216. | 5.7 | 37 |
| 6 | Effects of oxygen addition on electrical properties of silicon quantum dots/amorphous silicon carbide superlattice. Current Applied Physics, 2010, 10, S435-S438. | 2.4 | 36 |
| 7 | Effects of deposition rate on the structure and electron density of evaporated BaSi ₂ films. Journal of Applied Physics, 2016, 120, 045103. | 2.5 | 28 |
| 8 | Control of valence band offset at CdS/Cu(In,Ga)Se ₂ interface by inserting wide-bandgap materials for suppression of interfacial recombination in Cu(In,Ga)Se ₂ solar cells. Japanese Journal of Applied Physics, 2015, 54, 08KC08. | 1.5 | 27 |
| 9 | Hydrogen concentration at a-Si:H/c-Si heterointerfaces—The impact of deposition temperature on passivation performance. AIP Advances, 2019, 9, . | 1.3 | 27 |
| 10 | Postannealing effects on undoped BaSi ₂ evaporated films grown on Si substrates. Japanese Journal of Applied Physics, 2017, 56, 05DB05. | 1.5 | 25 |
| 11 | Silicon quantum dot superlattice solar cell structure including silicon nanocrystals in a photogeneration layer. Nanoscale Research Letters, 2014, 9, 246. | 5.7 | 23 |
| 12 | TiO ₂ -Coated Transparent Conductive Oxide (SnO ₂ :F) Films Prepared by Atmospheric Pressure Chemical Vapor Deposition with High Durability against Atomic Hydrogen. Japanese Journal of Applied Physics, 2006, 45, L291-L293. | 1.5 | 20 |
| 13 | Numerical Approach to the Investigation of Performance of Silicon Nanowire Solar Cells Embedded in a SiO ₂ Matrix. Japanese Journal of Applied Physics, 2012, 51, 11PE12. | 1.5 | 20 |
| 14 | Deposition of Ag(In,Ga)Se ₂ Solar Cells by a Modified Three-Stage Method Using a Low-Temperature-Deposited Ag ⁺ Se Cap Layer. Japanese Journal of Applied Physics, 2013, 52, 055801. | 1.5 | 19 |
| 15 | Fabrication of Cu(In,Ga)Se ₂ solar cells with a single graded band profile. Physica Status Solidi (B): Basic Research, 2015, 252, 1235-1238. | 1.5 | 17 |
| 16 | Numerical Approach to the Performance of Silicon Quantum Dots Superlattice Solar Cells Taking into Account the Quantum Effect. Japanese Journal of Applied Physics, 2012, 51, 10NE09. | 1.5 | 17 |
| 17 | Improvement of Electrical Properties of Silicon Quantum Dot Superlattice Solar Cells with Diffusion Barrier Layers. Japanese Journal of Applied Physics, 2013, 52, 04CR02. | 1.5 | 16 |
| 18 | Bandgap tuning of silicon nanowire arrays for application to all-silicon tandem solar cells. Japanese Journal of Applied Physics, 2017, 56, 04CS03. | 1.5 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Improvement of $\text{Cu}_2\text{ZnSn}(\text{S},\text{Se})_4$ solar cell efficiency by surface treatment. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015, 12, 704-707. | 0.8 | 15 |
| 20 | Local Structure of High Performance TiO_x Electron-Selective Contact Revealed by Electron Energy Loss Spectroscopy. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801645. | 3.7 | 15 |
| 21 | Effect of hydrogen plasma treatment on the passivation performance of TiO_x on crystalline silicon prepared by atomic layer deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020, 38, . | 2.1 | 15 |
| 22 | Application of Bayesian optimization for improved passivation performance in $\text{TiO}_x/\text{SiO}_y/\text{c-Si}$ heterostructure by hydrogen plasma treatment. <i>Applied Physics Express</i> , 2021, 14, 025503. | 2.4 | 15 |
| 23 | Alternative simple method to realize p-type BaSi_2 thin films for Si heterojunction solar cell applications. <i>MRS Advances</i> , 2018, 3, 1435-1442. | 0.9 | 14 |
| 24 | Activation mechanism of TiO_x passivating layer on crystalline Si. <i>Applied Physics Express</i> , 2018, 11, 102301. | 2.4 | 14 |
| 25 | Metal-Assisted Chemical Etching Using Silica Nanoparticle for the Fabrication of a Silicon Nanowire Array. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 02BP09. | 1.5 | 14 |
| 26 | Metal-Assisted Chemical Etching Using Silica Nanoparticle for the Fabrication of a Silicon Nanowire Array. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 02BP09. | 1.5 | 13 |
| 27 | Electrophoretic deposition of high quality transparent conductive graphene films on insulating glass substrates. <i>Journal of Physics: Conference Series</i> , 2012, 352, 012003. | 0.4 | 13 |
| 28 | Investigation of p-type emitter layer materials for heterojunction barium disilicide thin film solar cells. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 05DB04. | 1.5 | 13 |
| 29 | Effects of evaporation vapor composition and post-annealing conditions on carrier density of undoped BaSi_2 evaporated films. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SFFA05. | 1.5 | 13 |
| 30 | Improved conversion efficiency of p-type $\text{BaSi}_2/\text{n-type crystalline Si}$ heterojunction solar cells by a low growth rate deposition of BaSi_2 . <i>AIP Advances</i> , 2022, 12, 045115. | 1.3 | 13 |
| 31 | Numerical Approach to the Investigation of Performance of Silicon Nanowire Solar Cells Embedded in a SiO_2 Matrix. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 11PE12. | 1.5 | 12 |
| 32 | Development of spin-coated copper iodide on silicon for use in hole-selective contacts. <i>Energy Procedia</i> , 2017, 124, 598-603. | 1.8 | 12 |
| 33 | Evidence of solute PEDOT:PSS as an efficient passivation material for fabrication of hybrid c-Si solar cells. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1448-1454. | 4.9 | 12 |
| 34 | Activation energy of hydrogen desorption from high-performance titanium oxide carrier-selective contacts with silicon oxide interlayers. <i>Current Applied Physics</i> , 2021, 21, 36-42. | 2.4 | 12 |
| 35 | Fabrication of heterojunction crystalline Si solar cells with BaSi_2 thin films prepared by a two-step evaporation method. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 105503. | 1.5 | 12 |
| 36 | Improvement of the Band Profile of $\text{Cu}(\text{In},\text{Ga})\text{Se}_2$ Solar Cells with High-Ga Content Prepared Using a Five-Stage Method. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 10NC03. | 1.5 | 11 |

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|----|---|-----|-----------|
| 37 | Investigation of hydrogen plasma treatment for reducing defects in silicon quantum dot superlattice structure with amorphous silicon carbide matrix. <i>Nanoscale Research Letters</i> , 2014, 9, 72. | 5.7 | 11 |
| 38 | Formation of black silicon using SiGe self-assembled islands as a mask for selective anisotropic etching of silicon. <i>Materials Science in Semiconductor Processing</i> , 2018, 75, 143-148. | 4.0 | 11 |
| 39 | Silicon Nanowire Heterojunction Solar Cells with an Al ₂ O ₃ Passivation Film Fabricated by Atomic Layer Deposition. <i>Nanoscale Research Letters</i> , 2019, 14, 99. | 5.7 | 11 |
| 40 | Fabrication of a Silicon Nanowire Solar Cell on a Silicon-on-Insulator Substrate. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 818. | 2.5 | 11 |
| 41 | Influence of the time-dependent vapor composition on structural properties of the BaSi ₂ thin films fabricated by vacuum evaporation. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SFFA10. | 1.5 | 11 |
| 42 | Silicon Nanocrystals Embedded in Nanolayered Silicon Oxide for Crystalline Silicon Solar Cells. <i>ACS Applied Nano Materials</i> , 2022, 5, 1820-1827. | 5.0 | 11 |
| 43 | Influence of Fabrication Processes and Annealing Treatment on the Minority Carrier Lifetime of Silicon Nanowire Films. <i>Nanoscale Research Letters</i> , 2017, 12, 242. | 5.7 | 10 |
| 44 | Undoped p-type BaSi ₂ emitter prepared by thermal evaporation and post-annealing for crystalline silicon heterojunction solar cells. <i>Applied Physics Express</i> , 2020, 13, 051002. | 2.4 | 10 |
| 45 | Comparison of Interface Characterization between Ag(In,Ga)Se ₂ and Cu(In,Ga)Se ₂ Solar Cells by High-Angle-Annular Dark-Field Scanning Transmission Electron Microscopy. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 126603. | 1.5 | 9 |
| 46 | Experimental and Theoretical Evaluation of Cu(In,Ga)Se ₂ Concentrator Solar Cells. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 014101. | 1.5 | 9 |
| 47 | Selective etching of Si, SiGe, Ge and its usage for increasing the efficiency of silicon solar cells. <i>Semiconductors</i> , 2017, 51, 1542-1546. | 0.5 | 9 |
| 48 | Fabrication of BaSi ₂ thin films capped with amorphous Si using a single evaporation source. <i>Thin Solid Films</i> , 2017, 636, 546-551. | 1.8 | 9 |
| 49 | Post-annealing effects on the surface structure and carrier lifetime of evaporated BaSi ₂ films. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 04CS07. | 1.5 | 9 |
| 50 | Impact of size distributions of Ge islands as etching masks for anisotropic etching on formation of anti-reflection structures. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 045505. | 1.5 | 9 |
| 51 | Growth of Ag(In,Ga)Se ₂ Films by Modified Three-Stage Method and Influence of Annealing on Performance of Solar Cells. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 10NC05. | 1.5 | 9 |
| 52 | Solid-phase crystallization of amorphous silicon nanowire array and optical properties. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 02BE09. | 1.5 | 8 |
| 53 | Graphene transparent electrode for thin-film solar cells. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015, 12, 777-780. | 0.8 | 8 |
| 54 | Layer-by-Layer Assembled Transparent Conductive Graphene Films for Silicon Thin-Film Solar Cells. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 11PF01. | 1.5 | 8 |

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| 55 | Size-Controlled Silicon Quantum Dots Superlattice for Thin-Film Solar Cell Applications. Materials Research Society Symposia Proceedings, 2008, 1101, 1. | 0.1 | 7 |
| 56 | Preparation of p-type Hydrogenated Nanocrystalline Cubic Silicon Carbide / n-type Crystalline Silicon Heterojunction Solar Cells by VHF-PECVD. Energy Procedia, 2011, 10, 14-19. | 1.8 | 7 |
| 57 | Growth of Ag(In,Ga)Se ₂ Films by Modified Three-Stage Method and Influence of Annealing on Performance of Solar Cells. Japanese Journal of Applied Physics, 2012, 51, 10NC05. | 1.5 | 7 |
| 58 | Radical-assisted chemical doping for chemically derived graphene. Nanoscale Research Letters, 2013, 8, 534. | 5.7 | 7 |
| 59 | Fabrication of light-trapping structure by selective etching of thin Si substrates masked with a Ge dot layer and nanomasks. Japanese Journal of Applied Physics, 2018, 57, 08RF09. | 1.5 | 7 |
| 60 | The impact of highly excessive PbI ₂ on the correlation of MAPbI ₃ perovskite morphology and carrier lifetimes. Journal of Materials Chemistry C, 2020, 8, 14481-14489. | 5.5 | 7 |
| 61 | Impact of deposition of indium tin oxide double layers on hydrogenated amorphous silicon/crystalline silicon heterojunction. AIP Advances, 2020, 10, 065008. | 1.3 | 7 |
| 62 | Fabrication of Silicon Nanowire Metal-Oxide-Semiconductor Capacitors with Al ₂ O ₃ /TiO ₂ /Al ₂ O ₃ Stacked Dielectric Films for the Application to Energy Storage Devices. Energies, 2021, 14, 4538. | 3.1 | 7 |
| 63 | Application of Bayesian optimization for high-performance TiO ₂ /SiO ₂ /c-Si passivating contact. Solar Energy Materials and Solar Cells, 2021, 230, 111251. | 6.2 | 7 |
| 64 | Layer-by-Layer Assembled Transparent Conductive Graphene Films for Silicon Thin-Film Solar Cells. Japanese Journal of Applied Physics, 2012, 51, 11PF01. | 1.5 | 6 |
| 65 | Theoretical and experimental investigation of the recombination reduction at surface and grain boundaries in Cu(In,Ga)Se ₂ solar cells by valence band control. Materials Research Society Symposia Proceedings, 2015, 1771, 125-131. | 0.1 | 6 |
| 66 | Microstructural characterization of Cu ₂ ZnSn(S,Se) ₄ solar cells fabricated from nanoparticles. Japanese Journal of Applied Physics, 2015, 54, 08KC05. | 1.5 | 6 |
| 67 | Tuning the Electrical Properties of Titanium Oxide Bilayers Prepared by Atomic Layer Deposition at Different Temperatures. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900495. | 1.8 | 6 |
| 68 | Passivation mechanism of the high-performance titanium oxide carrier-selective contacts on crystalline silicon studied by spectroscopic ellipsometry. Japanese Journal of Applied Physics, 2021, 60, SBBF04. | 1.5 | 6 |
| 69 | Impact of chemically grown silicon oxide interlayers on the hydrogen distribution at hydrogenated amorphous silicon/crystalline silicon heterointerfaces. Applied Surface Science, 2021, 567, 150799. | 6.1 | 6 |
| 70 | Effect of the Niobium-Doped Titanium Oxide Thickness and Thermal Oxide Layer for Silicon Quantum Dot Solar Cells as a Dopant-Blocking Layer. Nanoscale Research Letters, 2020, 15, 39. | 5.7 | 6 |
| 71 | Improvement of the Band Profile of Cu(In,Ga)Se ₂ Solar Cells with High-Ga Content Prepared Using a Five-Stage Method. Japanese Journal of Applied Physics, 2012, 51, 10NC03. | 1.5 | 6 |
| 72 | Comparison of Interface Characterization between Ag(In,Ga)Se ₂ and Cu(In,Ga)Se ₂ Solar Cells by High-Angle-Annular Dark-Field Scanning Transmission Electron Microscopy. Japanese Journal of Applied Physics, 2011, 50, 126603. | 1.5 | 6 |

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| 73 | Observation of the photovoltaics effect from the solar cells using silicon quantum dots superlattice as a light absorption layer. Conference Record of the IEEE Photovoltaic Specialists Conference, 2008, , . | 0.0 | 5 |
| 74 | High open-circuit voltage oxygen-containing silicon quantum dots superlattice solar cells. , 2010, , . | | 5 |
| 75 | Numerical Approach to the Performance of Silicon Quantum Dots Superlattice Solar Cells Taking into Account the Quantum Effect. Japanese Journal of Applied Physics, 2012, 51, 10NE09. | 1.5 | 5 |
| 76 | Flexible Cu(In,Ga)Se ₂ solar cells fabricated using a polyimide-coated soda-lime glass substrate. Japanese Journal of Applied Physics, 2015, 54, 08KC16. | 1.5 | 5 |
| 77 | Peeling process of thin-film solar cells using graphene layers. Applied Physics Express, 2017, 10, 082301. | 2.4 | 5 |
| 78 | Growth of BaSi ₂ film on Ge(100) by vacuum evaporation and its photoresponse properties. Japanese Journal of Applied Physics, 2017, 56, 05DB06. | 1.5 | 5 |
| 79 | Fabrication of silicon nanowire based solar cells using TiO ₂ /Al ₂ O ₃ stack thin films. MRS Advances, 2018, 3, 1419-1426. | 0.9 | 5 |
| 80 | Epitaxial growth of SiGe on Si substrate by printing and firing of Al-Ge mixed paste. Japanese Journal of Applied Physics, 2019, 58, 045504. | 1.5 | 5 |
| 81 | Impact of Ge deposition temperature on parameters of c-Si solar cells with surface texture formed by etching of Si using SiGe islands as a mask. Materials Science in Semiconductor Processing, 2020, 114, 105065. | 4.0 | 5 |
| 82 | Effect of forming gas annealing on hydrogen content and surface morphology of titanium oxide coated crystalline silicon heterocontacts. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, 022415. | 2.1 | 5 |
| 83 | Light management of a-Si:H solar cells using textured zinc oxide with adjustable haze values. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2998-3001. | 0.8 | 4 |
| 84 | Electrical characterization of Cu(In,Ga)Se ₂ thin films peeled off from Mo-coated soda-lime glass substrate by AC Hall measurement. Japanese Journal of Applied Physics, 2015, 54, 018001. | 1.5 | 4 |
| 85 | Formation of light-trapping structure using Ge islands grown by gas-source molecular beam epitaxy as etching masks. Japanese Journal of Applied Physics, 2018, 57, 08RB04. | 1.5 | 4 |
| 86 | Novel light trapping structure by alkaline etching using a Ge dot mask for crystalline Si solar cells. , 2016, , . | | 3 |
| 87 | Effects of surface morphology randomness on optical properties of Si-based photonic nanostructures. Japanese Journal of Applied Physics, 2017, 56, 08MA02. | 1.5 | 3 |
| 88 | Influence of barrier layer's height on the performance of Si quantum dot solar cells. Japanese Journal of Applied Physics, 2018, 57, 08RF08. | 1.5 | 3 |
| 89 | Investigation of effective near-infrared light-trapping structure with submicron diameter for crystalline silicon thin film solar cells. Japanese Journal of Applied Physics, 2018, 57, 08RB21. | 1.5 | 3 |
| 90 | Improved Performance of Titanium Oxide/Silicon Oxide Electron-Selective Contacts by Implementation of Magnesium Interlayers. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100296. | 1.8 | 3 |

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| 91 | Structure and physical properties of stable isotopic amorphous carbon films. Diamond and Related Materials, 2016, 63, 115-119. | 3.9 | 2 |
| 92 | Fabrication and properties characterization of BaSi ₂ thin-films thermally-evaporated on Ge (100) modified substrates. Thin Solid Films, 2018, 663, 14-20. | 1.8 | 2 |
| 93 | Fabrication of BaSi ₂ homojunction diodes on Nb-doped TiO ₂ coated glass substrates by aluminum-induced crystallization and two-step evaporation method. Japanese Journal of Applied Physics, 2022, 61, SC1029. | 1.5 | 2 |
| 94 | Characterization of Ag(In, Ga)SeInGa/CdS interface in AIGS solar cell by HAADF-STEM measurement. , 2011, , . | | 1 |
| 95 | Effect of the Quantum Size Effect on the Performance of Solar Cells with a Silicon Nanowire Array Embedded in SiO ₂ . Materials Research Society Symposia Proceedings, 2012, 1439, 145-150. | 0.1 | 1 |
| 96 | Observation of light scattering properties of silicon nanowire arrays. , 2013, , . | | 1 |
| 97 | Silicon nanowire arrays passivated by AlAl/OO/TiOTiO stack layers. , 2014, , . | | 1 |
| 98 | Effect of tapered shape on performance of silicon nanowire solar cells. , 2014, , . | | 1 |
| 99 | Application of new doping techniques to solar cells for low temperature fabrication. , 2016, , . | | 1 |
| 100 | Optical characterization of double-side-textured silicon wafer based on photonic nanostructures for thin-wafer crystalline silicon solar cells. Japanese Journal of Applied Physics, 2017, 56, 04CS01. | 1.5 | 1 |
| 101 | Deposition and Characterization of Si Quantum Dot Multilayers Prepared by Plasma Enhanced Chemical Vapor Deposition using SiHSiH and COCO Gases. , 2018, , . | | 1 |
| 102 | Structural, Optical and Electrical Characterization of Heterojunction Rib-Si Solar Cells. , 2018, , . | | 1 |
| 103 | Improving Intrinsic Silicon Nanoparticle Film by Press Treatment for use in p-i-n Solar Cells. , 2018, , . | | 1 |
| 104 | Synthesis of MgMgSi thin film by thermal treatment under inert gas atmosphere and evaluation of film quality. Japanese Journal of Applied Physics, 2020, 59, SFFB03. | 1.5 | 1 |
| 105 | Preparation and thermoelectric characterization of phosphorus-doped Si nanocrystals/silicon oxide multilayers. Japanese Journal of Applied Physics, 2020, 59, SGGF09. | 1.5 | 1 |
| 106 | Nanocrystalline Silicon in Amorphous Silicon Carbide Matrix for Si Quantum Dots Superlattice. , 2006, , . | | 0 |
| 107 | High thermostable and conductive niobium doped titanium oxide for the application to a diffusion barrier layer of silicon quantum dot superlattice solar cell structure. , 2011, , . | | 0 |
| 108 | Effects of the deposition conditions of p-type hydrogenated nanocrystalline cubic silicon carbide on n-type crystalline silicon heterojunction solar cell performance. , 2011, , . | | 0 |

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| 109 | Layer-by-layer assembled transparent conductive graphene films for solar cells application. Materials Research Society Symposia Proceedings, 2012, 1451, 75-81. | 0.1 | 0 |
| 110 | Estimation of the Crystallinity of P-type Hydrogenated Nanocrystalline Cubic Silicon Carbide by Conductive Atomic Force Microscopy. Materials Research Society Symposia Proceedings, 2012, 1426, 347-352. | 0.1 | 0 |
| 111 | Laser Scribing of W-textured ZnO Substrates Using Green Laser. Materials Research Society Symposia Proceedings, 2013, 1493, 207-212. | 0.1 | 0 |
| 112 | Influence of Surface Recombination on the Performance of SiNW Solar Cells and the Preparation of a Passivation Film. Materials Research Society Symposia Proceedings, 2013, 1512, 1. | 0.1 | 0 |
| 113 | Numerical simulation about effects of bandgap grading in Cu(In, Ga)Se ₂ with a bandgap of 1.4 eV on solar cell performance. , 2013, , . | | 0 |
| 114 | Control of the electrical properties of BaSi ₂ evaporated films for solar cell applications. , 2016, , . | | 0 |
| 115 | Overview of Surface Passivation Schemes for Thin Film Solar Cells. , 2017, , . | | 0 |
| 116 | Fabrication of CuI/a-Si:H/c-Si Structure for Application to Hole-selective Contacts of Heterojunction Si Solar Cells. , 2017, , . | | 0 |
| 117 | Local Structure of High Performance TiO _x Passivating Layer Revealed by Electron Energy Loss Spectroscopy. , 2018, , . | | 0 |
| 118 | Application of light trapping structure using Ge dot mask by alkaline etching to heterojunction solar cell. , 2018, , . | | 0 |
| 119 | Development of the Passivation Layer For P-type CuI Thin Film Fabricated by the 2-step Method as the Novel Hole Selective Contact of Silicon Heterojunction Solar Cells. , 2018, , . | | 0 |
| 120 | Realization of the Crystalline Silicon Solar Cell Using Nanocrystalline Transport Path in Ultra-thin Dielectrics for Reinforced Passivating Contact. , 2021, , . | | 0 |
| 121 | Versatile fabrication of a passivation material, solute PEDOT:PSS, for a c-Si substrate using alcoholic solvents. Sustainable Energy and Fuels, 2021, 5, 666-670. | 4.9 | 0 |
| 122 | Electrical properties of TiO ₂ bilayer prepared by atomic layer deposition at different temperatures. , 2019, , . | | 0 |
| 123 | Work function of indium oxide thin films on p-type hydrogenated amorphous silicon. , 2020, , . | | 0 |
| 124 | Fabrication of silicon-nanocrystals-embedded silicon oxide passivating contacts. , 2020, , . | | 0 |