# Kenji Yoshino

List of Publications by Year
in descending order



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|---|---|---|---|
| 198 papers | 5,926 citations | 126907 33 h-index | 79698 73 g-index |
| 199 all docs | 199 docs citations | 199 times ranked | 7042 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | CH<sub>3</sub>NH<sub>3</sub>Sn<sub>x</sub>Pb<sub>(1â€“x)</sub>I<sub>3</sub> Perovskite Solar Cells Covering up to 1060 nm. Journal of Physical Chemistry Letters, 2014, 5, 1004-1011. | 4.6 | 852 |
| 2 | Highly Luminescent Phase-Stable CsPbI<sub>3</sub> Perovskite Quantum Dots Achieving Near 100% Absolute Photoluminescence Quantum Yield. ACS Nano, 2017, 11, 10373-10383. | 14.6 | 748 |
| 3 | Lead-free tin-halide perovskite solar cells with 13% efficiency. Nano Energy, 2020, 74, 104858. | 16.0 | 347 |
| 4 | Colloidal Synthesis of Air-Stable Alloyed CsSn<sub>1â€“x</sub>Pb<sub>x</sub>I<sub>3</sub> Perovskite Nanocrystals for Use in Solar Cells. Journal of the American Chemical Society, 2017, 139, 16708-16719. | 13.7 | 314 |
| 5 | Mixed Snâ€“Ge Perovskite for Enhanced Perovskite Solar Cell Performance in Air. Journal of Physical Chemistry Letters, 2018, 9, 1682-1688. | 4.6 | 206 |
| 6 | Suppression of Charge Carrier Recombination in Lead-Free Tin Halide Perovskite via Lewis Base Post-treatment. Journal of Physical Chemistry Letters, 2019, 10, 5277-5283. | 4.6 | 196 |
| 7 | All-Solid Perovskite Solar Cells with HOCO-R-NH<sub>3</sub><sup>+</sup>I<sup>â€“</sup> Anchor-Group Inserted between Porous Titania and Perovskite. Journal of Physical Chemistry C, 2014, 118, 16651-16659. | 3.1 | 191 |
| 8 | Highly Efficient 17.6% Tinâ€“Lead Mixed Perovskite Solar Cells Realized through Spike Structure. Nano Letters, 2018, 18, 3600-3607. | 9.1 | 114 |
| 9 | Effects of sodium on electrical properties in Cu2ZnSnS4 single crystal. Applied Physics Letters, 2014, 104, . | 3.3 | 113 |
| 10 | GeI<sub>2</sub> Additive for High Optoelectronic Quality CsPbI<sub>3</sub> Quantum Dots and Their Application in Photovoltaic Devices. Chemistry of Materials, 2019, 31, 798-807. | 6.7 | 112 |
| 11 | Effect of the conduction band offset on interfacial recombination behavior of the planar perovskite solar cells. Nano Energy, 2018, 53, 17-26. | 16.0 | 110 |
| 12 | Role of GeI2 and SnF2 additives for SnGe perovskite solar cells. Nano Energy, 2019, 58, 130-137. | 16.0 | 104 |
| 13 | Relationship between Lattice Strain and Efficiency for Sn-Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 31105-31110. | 8.0 | 101 |
| 14 | Charge transfer and recombination at the metal oxide/CH<sub>3</sub>NH<sub>3</sub>PbCl<sub>2</sub>/spiro-OMeTAD interfaces: uncovering the detailed mechanism behind high efficiency solar cells. Physical Chemistry Chemical Physics, 2014, 16, 19984-19992. | 2.8 | 88 |
| 15 | Facile Synthesis and Characterization of Sulfur Doped Low Bandgap Bismuth Based Perovskites by Soluble Precursor Route. Chemistry of Materials, 2016, 28, 6436-6440. | 6.7 | 87 |
| 16 | Optical absorption, charge separation and recombination dynamics in Sn/Pb cocktail perovskite solar cells and their relationships to photovoltaic performances. Journal of Materials Chemistry A, 2015, 3, 9308-9316. | 10.3 | 85 |
| 17 | Sharp band edge photoluminescence of high-purity CuInS2 single crystals. Applied Physics Letters, 2001, 78, 742-744. | 3.3 | 75 |
| 18 | Ultrafast Electron Injection from Photoexcited Perovskite CsPbI<sub>3</sub> QDs into TiO<sub>2</sub> Nanoparticles with Injection Efficiency near 99%. Journal of Physical Chemistry Letters, 2018, 9, 294-297. | 4.6 | 75 |

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| 19 | Control of Charge Dynamics through a Chargeâ€Separation Interface for Allâ€Solid Perovskiteâ€Sensitized Solar Cells. ChemPhysChem, 2014, 15, 1062-1069. | 2.1 | 73 |
| 20 | Preparation of Cu2ZnSnS4 single crystals from Sn solutions. Journal of Crystal Growth, 2012, 341, 38-41. | 1.5 | 69 |
| 21 | Correlation between intrinsic defects and electrical properties in the high-quality Cu2ZnSnS4 single crystal. Applied Physics Letters, 2013, 103, . | 3.3 | 69 |
| 22 | Investigation of Interfacial Charge Transfer in Solution Processed Cs<sub>2</sub>SnI<sub>6</sub> Thin Films. Journal of Physical Chemistry C, 2017, 121, 13092-13100. | 3.1 | 66 |
| 23 | Theoretical analysis of band alignment at back junction in Snâ€“Ge perovskite solar cells with inverted p-i-n structure. Solar Energy Materials and Solar Cells, 2020, 206, 110268. | 6.2 | 66 |
| 24 | Growth and characterization of p-type AgInS2 crystals. Journal of Physics and Chemistry of Solids, 2003, 64, 1839-1842. | 4.0 | 58 |
| 25 | Slow hot carrier cooling in cesium lead iodide perovskites. Applied Physics Letters, 2017, 111, . | 3.3 | 56 |
| 26 | Reducing trap density and carrier concentration by a Ge additive for an efficient quasi 2D/3D perovskite solar cell. Journal of Materials Chemistry A, 2020, 8, 2962-2968. | 10.3 | 53 |
| 27 | Understanding charge transfer and recombination by interface engineering for improving the efficiency of PbS quantum dot solar cells. Nanoscale Horizons, 2018, 3, 417-429. | 8.0 | 50 |
| 28 | Structural, electrical and optical properties of AgInS2 thin films grown by thermal evaporation method. Journal of Physics and Chemistry of Solids, 2005, 66, 1858-1861. | 4.0 | 44 |
| 29 | Growth of Cu2ZnSnSe4 single crystals from Sn solutions. Journal of Crystal Growth, 2012, 354, 147-151. | 1.5 | 41 |
| 30 | Solutionâ€Processed Airâ€Stable Copper Bismuth Iodide for Photovoltaics. ChemSusChem, 2018, 11, 2930-2935. | 6.8 | 39 |
| 31 | Structural and optical characterization of Sb-doped CuInS2 thin films grown by vacuum evaporation method. Journal of Physics and Chemistry of Solids, 2003, 64, 1863-1867. | 4.0 | 38 |
| 32 | Electron Scattering Mechanism of FTO Films Grown by Spray Pyrolysis Method. Journal of Electronic Materials, 2010, 39, 819-822. | 2.2 | 38 |
| 33 | Optical Characterization of the ZnTe Pure-Green LED. Physica Status Solidi (B): Basic Research, 2002, 229, 977-980. | 1.5 | 35 |
| 34 | Photocarrier localization and recombination dynamics in Cu2ZnSnS4 single crystals. Applied Physics Letters, 2013, 103, . | 3.3 | 34 |
| 35 | Huge suppression of charge recombination in P3HTâ€“ZnO organicâ€“inorganic hybrid solar cells by locating dyes at the ZnO/P3HT interfaces. Physical Chemistry Chemical Physics, 2013, 15, 14370. | 2.8 | 33 |
| 36 | Growth of CuInS2 crystals by a hot-press method. Journal of Crystal Growth, 2002, 236, 253-256. | 1.5 | 27 |

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| 37 | Architecture of the Interface between the Perovskite and Holeâ€Transport Layers in Perovskite Solar Cells. ChemSusChem, 2016, 9, 2634-2639. | 6.8 | 27 |
| 38 | Impact of Auger recombination on performance limitation of perovskite solar cell. Solar Energy, 2021, 217, 342-353. | 6.1 | 27 |
| 39 | Crystal growth and photoluminescence of CuInXGa1â^'XSe2 alloys. Journal of Crystal Growth, 2000, 211, 476-479. | 1.5 | 26 |
| 40 | Growth and characterization of Cu<sub>2</sub> ZnSnS<sub>4</sub> single crystals. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1328-1331. | 1.8 | 26 |
| 41 | Optical and electrical properties of AgIn(SSe)2 crystals. Physica B: Condensed Matter, 2001, 302-303, 349-356. | 2.7 | 25 |
| 42 | Enhanced Device Performance with Passivation of the TiO<sub>2</sub> Surface Using a Carboxylic Acid Fullerene Monolayer for a SnPb Perovskite Solar Cell with a Normal Planar Structure. ACS Applied Materials & Interfaces, 2020, 12, 17776-17782. | 8.0 | 24 |
| 43 | Optical characterizations of CuInSe2 epitaxial layers grown by molecular beam epitaxy. Journal of Applied Physics, 1999, 86, 4354-4359. | 2.5 | 23 |
| 44 | Polarized Raman spectroscopy of Cu-poor and Zn-rich single-crystal Cu2ZnSnSe4. Applied Physics Letters, 2014, 105, . | 3.3 | 23 |
| 45 | Temperature-dependent photocarrier recombination dynamics in Cu<sub>2</sub>ZnSnS<sub>4</sub> single crystals. Applied Physics Letters, 2014, 104, 081907. | 3.3 | 23 |
| 46 | Dependence of Cu/In ratio of structural and electrical characterization of CuInS2 crystal. Journal of Materials Science: Materials in Electronics, 2008, 19, 301-304. | 2.2 | 22 |
| 47 | Annealing effects of a high-quality ZnTe substrate. Journal of Electronic Materials, 2004, 33, 579-582. | 2.2 | 21 |
| 48 | Thermo-physical properties of Cu2ZnSnS4 single crystal. Journal of Crystal Growth, 2014, 393, 167-170. | 1.5 | 21 |
| 49 | Structural, optical and electrical characterization on ZnO film grown by a spray pyrolysis method. Journal of Materials Science: Materials in Electronics, 2005, 16, 403-408. | 2.2 | 20 |
| 50 | Growth and characterization of Cu2ZnSn(S Se1â^')4 alloys grown by the melting method. Journal of Crystal Growth, 2014, 386, 204-207. | 1.5 | 20 |
| 51 | Enhanced performance of ZnO based perovskite solar cells by Nb2O5 surface passivation. Organic Electronics, 2018, 62, 615-620. | 2.6 | 20 |
| 52 | Characterization of AgGaSe2 thin films grown by post annealing method. Thin Solid Films, 2006, 515, 505-508. | 1.8 | 19 |
| 53 | Free-carrier dynamics and band tails in Cu2ZnSn(SxSe1â^'x)4 : Evaluation of factors determining solar cell efficiency. Physical Review B, 2015, 92, . | 3.2 | 19 |
| 54 | Improving Photovoltaic Performance of ZnO Nanowires Based Colloidal Quantum Dot Solar Cells via SnO2 Passivation Strategy. Frontiers in Energy Research, 2019, 7, . | 2.3 | 19 |

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| 55 | Crystal growth of AgIn1â^'XGaXSe2 crystals grown by a vertical gradient freeze method. Journal of Crystal Growth, 2002, 236, 257-260. | 1.5 | 18 |
| 56 | Comparison of Sb, As, and P doping in Cd-rich CdTe single crystals: Doping properties, persistent photoconductivity, and long-term stability. Applied Physics Letters, 2020, 116, . | 3.3 | 18 |
| 57 | Growth of Cu<sub>2</sub>ZnSnS<sub>4</sub> Single Crystal by Traveling Heater Method. Japanese Journal of Applied Physics, 2011, 50, 128001. | 1.5 | 17 |
| 58 | Environmentally friendly thermoelectric sulphide Cu<sub>2</sub>ZnSnS<sub>4</sub> single crystals achieving a 1.6 dimensionless figure of merit ZT. Journal of Materials Chemistry A, 2021, 9, 15595-15604. | 10.3 | 17 |
| 59 | Surface-Modified Graphene Oxide/Lead Sulfide Hybrid Film-Forming Ink for High-Efficiency Bulk Nano-Heterojunction Colloidal Quantum Dot Solar Cells. Nano-Micro Letters, 2020, 12, 111. | 27.0 | 16 |
| 60 | Effect of annealing for CuInS<sub>2</sub> thin films prepared from Cuâ€rich ternary compound. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 1030-1033. | 0.8 | 15 |
| 61 | Degradation of GaN LEDs by electron irradiation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 173, 57-60. | 3.5 | 15 |
| 62 | Photocarrier dynamics in undoped and Na-doped Cu<sub>2</sub>ZnSnS<sub>4</sub>single crystals revealed by ultrafast time-resolved terahertz spectroscopy. Applied Physics Express, 2015, 8, 062303. | 2.4 | 14 |
| 63 | Na-doped Cu2ZnSnS4 single crystal grown by traveling-heater method. Journal of Crystal Growth, 2016, 453, 119-123. | 1.5 | 14 |
| 64 | Peculiarities of Linear Thermal Expansion of CuInS<sub>2</sub>Single Crystals. Japanese Journal of Applied Physics, 2011, 50, 05FB04. | 1.5 | 14 |
| 65 | Effects of substrate treatment and growth conditions on structure, morphology, and luminescence of homoepitaxial ZnTe deposited by metalorganic vapor phase epitaxy. Journal of Applied Physics, 2004, 96, 1230-1237. | 2.5 | 13 |
| 66 | Optical and electrical characterization of FTO films grown by spray pyrolysis method. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 1124-1126. | 0.8 | 13 |
| 67 | Photoluminescence spectra of CuGaSe2 crystals. Physica B: Condensed Matter, 2001, 302-303, 357-363. | 2.7 | 12 |
| 68 | Structural and magnetic characterization of Mn-doped ZnO films grown by spray pyrolysis method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 148, 234-236. | 3.5 | 12 |
| 69 | Low-Temperature Growth of ZnO Films by Spray Pyrolysis. Japanese Journal of Applied Physics, 2011, 50, 040207. | 1.5 | 12 |
| 70 | Growth and characterization of indium-doped Zn<sub>3</sub>P<sub>2</sub> bulk crystals. Japanese Journal of Applied Physics, 2016, 55, 041201. | 1.5 | 12 |
| 71 | Crystallization of Amorphous GeSe2Semiconductor by Isothermal Annealing without Light Radiation. Japanese Journal of Applied Physics, 2000, 39, 1058-1061. | 1.5 | 11 |
| 72 | Temperature variation of nonradiative carrier recombination processes in high-quality CuGaSe2 thin films grown by molecular beam epitaxy. Applied Physics Letters, 2000, 77, 259-261. | 3.3 | 11 |

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| 73 | Optical characterization of native defects in ZnSe substrate. Physica B: Condensed Matter, 2001, 302-303, 299-306. | 2.7 | 11 |
| 74 | Growth and characterization of Cu2ZnSn(S Se1â˜')4 single crystal grown by traveling heater method. Journal of Crystal Growth, 2015, 423, 9-15. | 1.5 | 11 |
| 75 | Cation ratio fluctuations in Cu<sub>2</sub>ZnSnS<sub>4</sub> at the 20â€‰nm length scale investigated by analytical electron microscopy. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2392-2399. | 1.8 | 11 |
| 76 | Enhancement of charge transport in quantum dots solar cells by N-butylamine-assisted sulfur-crosslinking of PbS quantum dots. Solar Energy, 2018, 174, 399-408. | 6.1 | 11 |
| 77 | Surface morphology of evaporated CuInS2 thin films grown by single source thermal evaporation technique. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 1486-1487. | 2.1 | 10 |
| 78 | MOVPE growth and characterisation of ZnTe epilayers on (100)ZnTe:P substrates. Journal of Crystal Growth, 2003, 248, 37-42. | 1.5 | 10 |
| 79 | Dependence of oxygen flow rate on piezoelectric photothermal spectra of ZnO thin films grown by a reactive plasma deposition. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 118, 70-73. | 3.5 | 10 |
| 80 | Structural and electrical characterization of AgInS2 thin films grown by single-source thermal evaporation method. Journal of Materials Science: Materials in Electronics, 2005, 16, 393-396. | 2.2 | 10 |
| 81 | Controlling the processable ZnO and polythiophene interface for dye-sensitized thin film organic solar cells. Thin Solid Films, 2013, 536, 302-307. | 1.8 | 10 |
| 82 | Growth and characterization of ZnS films by spray pyrolysis. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1102-1106. | 0.8 | 10 |
| 83 | Atmospheric growth of ZnO films deposited by spray pyrolysis using diethylzinc solution. Journal of Crystal Growth, 2017, 468, 473-476. | 1.5 | 10 |
| 84 | Growth of CuSbS<sub>2</sub> Single Crystal as an Environmentally Friendly Thermoelectric Material. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800861. | 1.8 | 10 |
| 85 | Relationship between Carrier Density and Precursor Solution Stirring for Lead-Free Tin Halide Perovskite Solar Cells Performance. ACS Applied Energy Materials, 2022, 5, 4002-4007. | 5.1 | 10 |
| 86 | Proton irradiation damages in CuInSe2 thin film solar cell materials by a piezoelectric photothermal spectroscopy. Solid-State Electronics, 2004, 48, 1815-1818. | 1.4 | 9 |
| 87 | Study of steady-state photoluminescence of AgInSe2 crystals. Thin Solid Films, 2008, 517, 1445-1448. | 1.8 | 9 |
| 88 | Growth and Annealing of ZnO Films Grown by Spray Pyrolysis. Japanese Journal of Applied Physics, 2008, 47, 8170. | 1.5 | 9 |
| 89 | Radiation damage of Si1-xGex S/D p-type metal oxide semiconductor field effect transistor with different Ge concentrations. Thin Solid Films, 2012, 520, 3337-3340. | 1.8 | 9 |
| 90 | Fabrication of an efficient electrodeposited Cu2ZnSnS4-based solar cells with more than 6% conversion efficiency using a sprayed Ga-doped ZnO window layer. RSC Advances, 2014, 4, 24351-24355. | 3.6 | 9 |

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| 91 | Solution growth of chalcopyrite compounds single crystal. Renewable Energy, 2015, 79, 127-130. | 8.9 | 9 |
| 92 | Impurity Levels of Alkaline Metals in Zincselenide Single Crystals Examined by Photoluminescence. Japanese Journal of Applied Physics, 1995, 34, 61-65. | 1.5 | 8 |
| 93 | Photoluminescence and photoacoustic spectra of N-doped ZnSe epitaxial layers grown by molecular beam epitaxy. Journal of Crystal Growth, 2000, 214-215, 572-575. | 1.5 | 8 |
| 94 | Optical and electrical characterization of high-quality P-doped ZnTe substrates. Physica B: Condensed Matter, 2003, 340-342, 254-257. | 2.7 | 8 |
| 95 | Peculiarities of Linear Thermal Expansion of CuInS2Single Crystals. Japanese Journal of Applied Physics, 2011, 50, 05FB04. | 1.5 | 8 |
| 96 | Low-Temperature Growth of ZnO Films by Spray Pyrolysis. Japanese Journal of Applied Physics, 2011, 50, 040207. | 1.5 | 8 |
| 97 | Piezoelectric Photoacoustic and Photoluminescence Properties of CuInXGa1-XSe2Alloys. Japanese Journal of Applied Physics, 1999, 38, 3171-3174. | 1.5 | 7 |
| 98 | Growth of Bulk-ZnS by Solid Phase Recrystallization. Physica Status Solidi A, 2000, 180, 183-187. | 1.7 | 7 |
| 99 | Preparation of a CuGaSe<sub>2</sub>single crystal and its photocathodic properties. RSC Advances, 2020, 10, 40310-40315. | 3.6 | 7 |
| 100 | Temperature dependence of luminescence in ZnSe. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1995, 35, 68-71. | 3.5 | 6 |
| 101 | Photoluminescence of Zincselenide Single Crystals Grown by the Sublimation Method. Japanese Journal of Applied Physics, 1995, 34, 6331-6333. | 1.5 | 6 |
| 102 | Nonradiative Carrier Recombination in p-Type ZnSe Thin Films Grown by Molecular Beam Epitaxy. Physica Status Solidi (B): Basic Research, 1998, 210, 491-495. | 1.5 | 6 |
| 103 | Structural and optical characterization of CuInS2 thin films grown by vacuum evaporation method. Journal of Materials Science: Materials in Electronics, 2003, 14, 291-294. | 2.2 | 6 |
| 104 | Characterization of AgInS2 thin films prepared by vacuum evaporation. Physica B: Condensed Matter, 2012, 407, 2858-2860. | 2.7 | 6 |
| 105 | Pb-free Sn Perovskite Solar Cells Doped with Samarium Iodide. Chemistry Letters, 2019, 48, 836-839. | 1.3 | 6 |
| 106 | Arsenic doped Cd-rich CdTe: equilibrium doping limit and long lifetime for high open-circuit voltage solar cells greater than 900 mV. Applied Physics Express, 2019, 12, 081002. | 2.4 | 6 |
| 107 | Phase diagram of the Ag2SnS3â€“ZnS pseudobinary system for Ag2ZnSnS4 crystal growth. Journal of Crystal Growth, 2021, 555, 125967. | 1.5 | 6 |
| 108 | Chalcostibite Single-Crystal CuSbS<sub>2</sub> as High-Performance Thermoelectric Material. Materials Transactions, 2020, 61, 2407-2411. | 1.2 | 6 |

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| 109 | Deep levels in ZnSe epitaxial layers examined by piezoelectric photoacoustic spectroscopy. Journal of Crystal Growth, 1998, 184-185, 1151-1154. | 1.5 | 5 |
| 110 | Nonradiative Carrier Recombination Centers of Cl-Doped ZnSe Epitaxial Layers. Physica Status Solidi A, 2000, 180, 201-205. | 1.7 | 5 |
| 111 | Growth and characterization of codoping of ZnSe:Cl with Li grown by molecular beam epitaxy on GaAs. Physica B: Condensed Matter, 2001, 302-303, 166-171. | 2.7 | 5 |
| 112 | Characteristic of Low Resistivity Fluorine-Doped SnO2Thin Films Grown by Spray Pyrolysis. Japanese Journal of Applied Physics, 2011, 50, 05FB15. | 1.5 | 5 |
| 113 | Ge content dependence of radiation damage in Si<sub>1â€x</sub>Ge<sub>x</sub> source/drain pâ€type metal oxide semiconductor field effect transistors. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1148-1151. | 0.8 | 5 |
| 114 | The Effect of Transparent Conductive Oxide Substrate on the Efficiency of SnGe-perovskite Solar Cells. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2019, 32, 597-602. | 0.3 | 5 |
| 115 | Micro-scale current path distributions of Zn1-Mg O-coated SnO2:F transparent electrodes prepared by sol-gel and sputtering methods in perovskite solar cells. Thin Solid Films, 2019, 669, 455-460. | 1.8 | 5 |
| 116 | Hot-injection and ultrasonic irradiation syntheses of Cs2SnI6 quantum dot using Sn long-chain amino-complex. Journal of Nanoparticle Research, 2020, 22, 1. | 1.9 | 5 |
| 117 | Deep Levels in Br-Doped ZnSe Single Crystals Grown by Physical Vapor Transport. Physica Status Solidi (B): Basic Research, 2002, 229, 291-295. | 1.5 | 4 |
| 118 | Optical Characterization of High Quality ZnTe Substrate. Physica Status Solidi A, 2002, 192, 218-223. | 1.7 | 4 |
| 119 | Characterization of proton irradiated AgInSe2thin film. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 1067-1069. | 0.8 | 4 |
| 120 | Low Sheet Resistivity of Transparent Ga-Doped ZnO Film Grown by Atmospheric Spray Pyrolysis. Japanese Journal of Applied Physics, 2011, 50, 088001. | 1.5 | 4 |
| 121 | Structural and Electronic Structure of SnO<sub>2</sub> by the First-Principle Study. Materials Science Forum, 0, 725, 265-268. | 0.3 | 4 |
| 122 | Surface Morphology of Transparent Conductive ZnO Film Grown by DC Sputtering Method. Advanced Materials Research, 0, 894, 403-407. | 0.3 | 4 |
| 123 | Characteristic of Low Resistivity Fluorine-Doped SnO<sub>2</sub>Thin Films Grown by Spray Pyrolysis. Japanese Journal of Applied Physics, 2011, 50, 05FB15. | 1.5 | 4 |
| 124 | Low Sheet Resistivity of Transparent Ga-Doped ZnO Film Grown by Atmospheric Spray Pyrolysis. Japanese Journal of Applied Physics, 2011, 50, 088001. | 1.5 | 4 |
| 125 | Piezoelectric photoacoustic spectra of CuInSe2 thin film grown by molecular beam epitaxy. Thin Solid Films, 1999, 343-344, 591-593. | 1.8 | 3 |
| 126 | Photoacoustic Spectra for Porous Silicon Using Piezoelectric Transducer and Microphone. Japanese Journal of Applied Physics, 2001, 40, 3610-3613. | 1.5 | 3 |

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| 127 | Proton-beam-induced defect levels in CuInSe2 thin-film absorbers: An investigation on nonradiative electron transitions. Applied Physics Letters, 2004, 85, 1347-1349. | 3.3 | 3 |
| 128 | Thickness Dependence of Structure and Optical Characteristics in Fluorine-Doped SnO$_{2}$ Films Grown by Spray Pyrolysis Method. Japanese Journal of Applied Physics, 2012, 51, 125503. | 1.5 | 3 |
| 129 | Optical and electrical characterization of transparent Gaâ€doped ZnO thin films grown by atmospheric spray pyrolysis using diethylzinc solution. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1015-1018. | 0.8 | 3 |
| 130 | Single-step fabrication of all-solid dye-sensitized solar cells using solution-processable precursor. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1846-1850. | 1.8 | 3 |
| 131 | Effect of hydrogen partial pressure on growth of Cu<sub>2</sub>ZnSnS<sub>4</sub> films sulfurized using diethyl sulfide. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1198-1201. | 0.8 | 3 |
| 132 | Low-temperature Growth of Porous and Dense ZnO Films for Perovskite Solar Cells on ITO Substrate. Chemistry Letters, 2016, 45, 176-178. | 1.3 | 3 |
| 133 | Stability Improvement of Perovskite Solar Cells by Adding Sbâ€Xanthate to Precursor Solution. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000144. | 1.8 | 3 |
| 134 | Growth of Spin-Coated ZnO Films Using Diethylzinc Solution. Japanese Journal of Applied Physics, 2011, 50, 108001. | 1.5 | 3 |
| 135 | Thickness Dependence of Structure and Optical Characteristics in Fluorine-Doped SnO2Films Grown by Spray Pyrolysis Method. Japanese Journal of Applied Physics, 2012, 51, 125503. | 1.5 | 3 |
| 136 | Growth of Cu<sub>2</sub>ZnSnS<sub>4</sub>Single Crystal by Traveling Heater Method. Japanese Journal of Applied Physics, 2011, 50, 128001. | 1.5 | 3 |
| 137 | Optical properties of high-quality CuGaSe2 epitaxial layers examined by piezoelectric photoacoustic spectroscopy. Solar Energy Materials and Solar Cells, 2001, 67, 173-178. | 6.2 | 2 |
| 138 | Impurity levels of high quality p-doped ZnTe single crystal. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 631-634. | 0.8 | 2 |
| 139 | Dislocation of high quality P-doped ZnTe substrate examined by X-ray topography. Journal of Materials Science: Materials in Electronics, 2005, 16, 445-448. | 2.2 | 2 |
| 140 | Optical and electrical characterization of In-doped ZnMgO films grown by spray pyrolysis method. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 1120-1123. | 0.8 | 2 |
| 141 | Molecular beam epitaxial growth of ZnCrO films by using RF plasma source. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 1012-1015. | 0.8 | 2 |
| 142 | Growth of IrOxâ€“SnOxFilms Deposited by Reactive Sputtering. Japanese Journal of Applied Physics, 2011, 50, 05FB14. | 1.5 | 2 |
| 143 | Characterization of Spin Coated Nondoped and In-Doped ZnO Films Using Novel Precursor Solution. Materials Science Forum, 2012, 725, 277-280. | 0.3 | 2 |
| 144 | Temperature Dependence of Linear Thermal Expansion of CuGaSe<sub>2</sub> Crystals. Materials Science Forum, 2012, 725, 171-174. | 0.3 | 2 |

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| 145 | Electrical Properties of Fluorine Doped Tin Dioxide Film Grown by Spray Method. Materials Science Forum, 0, 725, 281-284. | 0.3 | 2 |
| 146 | Excitonic emissions of AgInS<sub>2</sub> crystals with chalcopyrite and orthorhombic structure. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1042-1045. | 0.8 | 2 |
| 147 | Radiation tolerance of Si1â^'yCy source/drain n-type metal oxide semiconductor field effect transistors with different carbon concentrations. Thin Solid Films, 2014, 557, 307-310. | 1.8 | 2 |
| 148 | Growth Mechanism of ZnO Thin Films Grown by Spray Pyrolysis Using Diethylzinc Solution. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700406. | 1.8 | 2 |
| 149 | Growth and Characterization of Arsenic-Doped CdTe1â^'xSex Single Crystals Grown by the Cd-Solvent Traveling Heater Method. Journal of Electronic Materials, 2020, 49, 6971-6976. | 2.2 | 2 |
| 150 | Emissions from Deep Levels in Hydrothermal Grown ZnO Substrates. Journal of the Korean Physical Society, 2008, 53, 2959-2962. | 0.7 | 2 |
| 151 | Influence of charge transport layer on the crystallinity and charge extraction of pure tin-based halide perovskite film. Journal of Energy Chemistry, 2022, 69, 612-615. | 12.9 | 2 |
| 152 | The Effects Of Substitutional Alkaline Metals In Zinc Vacancy Of Zincselenide Single Crystals Grown By The Sublimation Method. Materials Research Society Symposia Proceedings, 1996, 442, 593. | 0.1 | 1 |
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