List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8197593/publications.pdf Version: 2024-02-01



| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Atomic layer deposition of vanadium oxide films for crystalline silicon solar cells. Materials<br>Advances, 2022, 3, 337-345.  | 2.6 | 20        |
| 2  | Substrate temperature optimization of pulsed-laser-deposited and in-situ Zn-supplemented-CZTS films and their integration into photovoltaic devices. Journal of Alloys and Compounds, 2022, 893, 162292.   | 2.8 | 5         |
| 3  | Numerical Investigation of Interface Passivation Strategies for Sb <sub>2</sub> Se <sub>3</sub> /CdS<br>Solar Cells. Solar Rrl, 2022, 6, 2100911.  | 3.1 | 2         |
| 4  | Does Sb <sub>2</sub> Se <sub>3</sub> Admit Nonstoichiometric Conditions? How Modifying the<br>Overall Se Content Affects the Structural, Optical, and Optoelectronic Properties of<br>Sb <sub>2</sub> Se <sub>3</sub> Thin Films. ACS Applied Materials & Interfaces, 2022, 14, 11222-11234. | 4.0 | 17        |
| 5  | Life cycle assessment of different chalcogenide thin-film solar cells. Applied Energy, 2022, 313, 118888.  | 5.1 | 13        |
| 6  | Effect of post annealing thermal heating on Cu2ZnSnS4 solar cells processed by sputtering technique. Solar Energy, 2022, 237, 196-202.   | 2.9 | 17        |
| 7  | Towards Low Cost and Sustainable Thin Film Thermoelectric Devices Based on Quaternary<br>Chalcogenides. Advanced Functional Materials, 2022, 32, .   | 7.8 | 26        |
| 8  | Kinetics and phase analysis of kesterite compounds: Influence of chalcogen availability in the reaction pathway. Materialia, 2022, 24, 101509.   | 1.3 | 2         |
| 9  | Defect depth-profiling in kesterite absorber by means of chemical etching and surface analysis. Applied Surface Science, 2021, 540, 148342.  | 3.1 | 6         |
| 10 | Rear interface engineering of kesterite Cu <sub>2</sub> ZnSnSe <sub>4</sub> solar cells by adding<br>CuGaSe <sub>2</sub> thin layers. Progress in Photovoltaics: Research and Applications, 2021, 29,<br>334-343.  | 4.4 | 11        |
| 11 | Combinatorial and machine learning approaches for the analysis of<br>Cu <sub>2</sub> ZnGeSe <sub>4</sub> : influence of the off-stoichiometry on defect formation and<br>solar cell performance. Journal of Materials Chemistry A, 2021, 9, 10466-10476.                                     | 5.2 | 13        |
| 12 | Emerging inorganic solar cell efficiency tables (version 2). JPhys Energy, 2021, 3, 032003.  | 2.3 | 40        |
| 13 | Feasibility of a Full Chalcopyrite Tandem Solar Cell: A Quantitative Numerical Approach. Solar Rrl, 2021, 5, 2100202.  | 3.1 | 4         |
| 14 | Evaluation of hetero and back contact junctions of CZTSe: Ge bilayers solar cells with Modulus Spectroscopy. , 2021, , .   |     | 0         |
| 15 | Estimation of front and back junctions of CZTSe:Ge solar cells by combined modulus and impedance spectroscopy. Journal Physics D: Applied Physics, 2021, 54, 335501.   | 1.3 | 5         |
| 16 | Bromine etching of kesterite thin films: perspectives in depth defect profiling and device performance improvement. , 2021, , .  |     | 1         |
| 17 | Insights on the Thermal Stability of the Sb <sub>2</sub> Se <sub>3</sub> Quasiâ€d D Photovoltaic<br>Technology. Solar Rrl, 2021, 5, 2100517.   | 3.1 | 2         |
| 18 | Insights on the limiting factors of Cu2ZnGeSe4 based solar cells. Solar Energy Materials and Solar<br>Cells, 2021, 227, 111106.  | 3.0 | 6         |

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Hole Transport Layer based on atomic layer deposited V2Ox films: Paving the road to semi-transparent<br>CZTSe solar cells. Solar Energy, 2021, 226, 64-71.   | 2.9  | 3         |
| 20 | High efficiency Cu <sub>2</sub> ZnSnS <sub>4</sub> solar cells over FTO substrates and their<br>CZTS/CdS interface passivation <i>via</i> thermal evaporation of Al <sub>2</sub> O <sub>3</sub> .<br>Journal of Materials Chemistry C, 2021, 9, 5356-5361. | 2.7  | 10        |
| 21 | Insights into interface and bulk defects in a high efficiency kesterite-based device. Energy and Environmental Science, 2021, 14, 507-523.   | 15.6 | 48        |
| 22 | Structural and vibrational properties of α- and π-SnS polymorphs for photovoltaic applications. Acta<br>Materialia, 2020, 183, 1-10.   | 3.8  | 43        |
| 23 | In-situ tuning of the zinc content of pulsed-laser-deposited CZTS films and its effect on the photoconversion efficiency of p-CZTS/n-Si heterojunction photovoltaic devices. Applied Surface Science, 2020, 507, 145003.                                   | 3.1  | 31        |
| 24 | Continuous-wave laser annealing of metallic layers for CuInSe2 solar cell applications: effect of preheating treatment on grain growth. RSC Advances, 2020, 10, 584-594.   | 1.7  | 2         |
| 25 | On the Germanium Incorporation in Cu <sub>2</sub> ZnSnSe <sub>4</sub> Kesterite Solar Cells<br>Boosting Their Efficiency. ACS Applied Energy Materials, 2020, 3, 558-564.  | 2.5  | 11        |
| 26 | UV‣elective Optically Transparent Zn(O,S)â€Based Solar Cells. Solar Rrl, 2020, 4, 2070112.   | 3.1  | 0         |
| 27 | Rear Band gap Grading Strategies on Sn–Ge-Alloyed Kesterite Solar Cells. ACS Applied Energy<br>Materials, 2020, 3, 10362-10375.  | 2.5  | 29        |
| 28 | Investigation on limiting factors affecting Cu2ZnGeSe4 efficiency: Effect of annealing conditions and surface treatment. Solar Energy Materials and Solar Cells, 2020, 216, 110701.  | 3.0  | 17        |
| 29 | Partial substitution of the CdS buffer layer with interplay of fullerenes in kesterite solar cells.<br>Journal of Materials Chemistry C, 2020, 8, 12533-12542.   | 2.7  | 13        |
| 30 | UV‣elective Optically Transparent Zn(O,S)â€Based Solar Cells. Solar Rrl, 2020, 4, 2000470.   | 3.1  | 12        |
| 31 | Cu-Sn-S system: Vibrational properties and coexistence of the Cu2SnS3, Cu3SnS4 and Cu4SnS4 compounds. Scripta Materialia, 2020, 186, 180-184.  | 2.6  | 15        |
| 32 | Efficient Sb2Se3/CdS planar heterojunction solar cells in substrate configuration with (hk0) oriented Sb2Se3 thin films. Solar Energy Materials and Solar Cells, 2020, 215, 110603.  | 3.0  | 28        |
| 33 | CdS/ZnS Bilayer Thin Films Used As Buffer Layer in 10%-Efficient Cu <sub>2</sub> ZnSnSe <sub>4</sub><br>Solar Cells. ACS Applied Energy Materials, 2020, 3, 6815-6823.   | 2.5  | 21        |
| 34 | Uncovering details behind the formation mechanisms of Cu2ZnGeSe4 photovoltaic absorbers. Journal of Materials Chemistry C, 2020, 8, 4003-4011.   | 2.7  | 13        |
| 35 | Transition-Metal Oxides for Kesterite Solar Cells Developed on Transparent Substrates. ACS Applied<br>Materials & Interfaces, 2020, 12, 33656-33669.   | 4.0  | 29        |
| 36 | Efficient Seâ€Rich Sb <sub>2</sub> Se <sub>3</sub> /CdS Planar Heterojunction Solar Cells by Sequential Processing: Control and Influence of Se Content. Solar Rrl, 2020, 4, 2070075.  | 3.1  | 5         |

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 37 | CZTS solar cells and the possibility of increasing VOC using evaporated Al2O3 at the CZTS/CdS interface. Solar Energy, 2020, 198, 696-703.  | 2.9  | 28        |
| 38 | Sputtered ZnSnO Buffer Layers for Kesterite Solar Cells. ACS Applied Energy Materials, 2020, 3, 1883-1891.  | 2.5  | 23        |
| 39 | Efficient Seâ€Rich Sb <sub>2</sub> Se <sub>3</sub> /CdS Planar Heterojunction Solar Cells by Sequential<br>Processing: Control and Influence of Se Content. Solar Rrl, 2020, 4, 2000141.  | 3.1  | 23        |
| 40 | Over 10% Efficient Wide Bandgap CIGSe Solar Cells on Transparent Substrate with Na Predeposition<br>Treatment. Solar Rrl, 2020, 4, 2000284.   | 3.1  | 8         |
| 41 | Influence of co-electrodeposition parameters in the synthesis of kesterite thin films for photovoltaic. Journal of Alloys and Compounds, 2020, 839, 155679.   | 2.8  | 10        |
| 42 | ls It Possible To Develop Complex S–Se Graded Band Gap Profiles in Kesterite-Based Solar Cells?. ACS<br>Applied Materials & Interfaces, 2019, 11, 32945-32956.  | 4.0  | 42        |
| 43 | Multiwavelength excitation Raman scattering study of Sb <sub>2</sub> Se <sub>3</sub> compound:<br>fundamental vibrational properties and secondary phases detection. 2D Materials, 2019, 6, 045054.                                     | 2.0  | 69        |
| 44 | Engineering of effective back-contact barrier of CZTSe: Nanoscale Ge solar cells – MoSe2 defects<br>implication. Solar Energy, 2019, 194, 114-120.  | 2.9  | 18        |
| 45 | Study and optimization of alternative MBEâ€deposited metallic precursors for highly efficient kesterite<br>CZTSe:Ge solar cells. Progress in Photovoltaics: Research and Applications, 2019, 27, 779-788.                               | 4.4  | 12        |
| 46 | Kesterite: New Progress Toward Earth-Abundant Thin-Film Photovoltaic. , 2019, , 93-120.   |      | 3         |
| 47 | CuZnInSe <sub>3</sub> â€based solar cells: Impact of copper concentration on vibrational and<br>structural properties and device performance. Progress in Photovoltaics: Research and Applications,<br>2019, 27, 716-723.               | 4.4  | 7         |
| 48 | Physical routes for the synthesis of kesterite. JPhys Energy, 2019, 1, 042003.  | 2.3  | 34        |
| 49 | Emerging inorganic solar cell efficiency tables (Version 1). JPhys Energy, 2019, 1, 032001.   | 2.3  | 54        |
| 50 | Defect characterisation in Cu <sub>2</sub> ZnSnSe <sub>4</sub> kesterites <i>via</i> resonance Raman<br>spectroscopy and the impact on optoelectronic solar cell properties. Journal of Materials Chemistry<br>A, 2019, 7, 13293-13304. | 5.2  | 63        |
| 51 | Evaluation of AA-CVD deposited phase pure polymorphs of SnS for thin films solar cells. RSC Advances, 2019, 9, 14899-14909.   | 1.7  | 42        |
| 52 | Ge doped Cu2ZnSnS4: An investigation on absorber recrystallization and opto-electronic properties of solar cell. Solar Energy Materials and Solar Cells, 2019, 198, 44-52.  | 3.0  | 20        |
| 53 | Progress and Perspectives of Thin Film Kesterite Photovoltaic Technology: A Critical Review.<br>Advanced Materials, 2019, 31, e1806692.   | 11.1 | 333       |
| 54 | Impact of Thin CuGa Layers Added at the Rear Interface of Cu2ZnSnSe4 Solar Cells. , 2019, , .   |      | 0         |

4

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 55 | Multi-layered photocathodes based on Cu2ZnSnSe4 absorber and MoS2 catalyst for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 24320-24327.  | 5.2  | 8         |
| 56 | Insights into the Formation Pathways of Cu <sub>2</sub> ZnSnSe <sub>4</sub> Using Rapid Thermal Processes. ACS Applied Energy Materials, 2018, 1, 1981-1989.   | 2.5  | 16        |
| 57 | Improved quantum efficiency models of CZTSe: GE nanolayer solar cells with a linear electric field.<br>Nanoscale, 2018, 10, 2990-2997.   | 2.8  | 14        |
| 58 | Turning Earth Abundant Kesterite-Based Solar Cells Into Efficient Protected Water-Splitting Photocathodes. ACS Applied Materials & amp; Interfaces, 2018, 10, 13425-13433.   | 4.0  | 31        |
| 59 | Cu content dependence of Cu2Zn(SnGe)Se4 solar cells prepared by using sequential thermal<br>evaporation technique of Cu/Sn/Cu/Zn/Ge stacked layers. Journal of Materials Science: Materials in<br>Electronics, 2018, 29, 15363-15368.              | 1.1  | 6         |
| 60 | How small amounts of Ge modify the formation pathways and crystallization of kesterites. Energy and Environmental Science, 2018, 11, 582-593.  | 15.6 | 169       |
| 61 | C <scp>ZTS</scp> e solar cells developed on polymer substrates: Effects of lowâ€ŧemperature processing. Progress in Photovoltaics: Research and Applications, 2018, 26, 55-68.   | 4.4  | 23        |
| 62 | Optimization of ink-jet printed precursors for Cu2ZnSn(S,Se)4 solar cells. Journal of Alloys and Compounds, 2018, 735, 2462-2470.  | 2.8  | 16        |
| 63 | Double band gap gradients in sequentially processed photovoltaic absorbers from the<br>Cu(In,Ga)Se <sub>2</sub> â€ZnSe pseudobinary system. Progress in Photovoltaics: Research and<br>Applications, 2018, 26, 135-144.                            | 4.4  | 7         |
| 64 | Enhanced Heteroâ€Junction Quality and Performance of Kesterite Solar Cells by Aluminum Hydroxide<br>Nanolayers and Efficiency Limitation Revealed by Atomicâ€resolution Scanning Transmission Electron<br>Microscopy. Solar Rrl, 2018, 3, 1800279. | 3.1  | 6         |
| 65 | Improved Back Contact Barrier of CZTSe solar cells by incorporating nanoscale Ge bi-layers. , 2018, , .  |      | 0         |
| 66 | Improved Device Models of CZTSe: nanolayer Ge solar cells with Quantum Efficiency. , 2018, , .   |      | 2         |
| 67 | Tailoring doping of efficient Sb2Se3 solar cells in substrate configuration by low temperature post deposition selenization process. , 2018, , .   |      | 2         |
| 68 | Doping Effects on Kesterites Other than Alkalis. , 2018, , .   |      | 2         |
| 69 | An innovative alkali doping strategy for Cu <inf>2</inf> ZnSnSe <inf>4</inf><br>through the CdS buffer layer. , 2018, , .  |      | 1         |
| 70 | Revealing the beneficial effects of Ge doping on Cu <sub>2</sub> ZnSnSe <sub>4</sub> thin film solar cells. Journal of Materials Chemistry A, 2018, 6, 11759-11772.  | 5.2  | 46        |
| 71 | Pre-annealing of metal stack precursors and its beneficial effect on kesterite absorber properties and device performance. Solar Energy Materials and Solar Cells, 2018, 185, 226-232.   | 3.0  | 11        |
| 72 | Thin film photovoltaic devices prepared with Cu3BiS3 ternary compound. Materials Science in Semiconductor Processing, 2018, 87, 37-43.   | 1.9  | 9         |

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 73 | Cu2ZnSnSe4 based solar cells combining co-electrodeposition and rapid thermal processing. Solar Energy, 2018, 173, 955-963.   | 2.9  | 13        |
| 74 | Discrepancy between integral and local composition in off-stoichiometric Cu2ZnSnSe4 kesterites: A pitfall for classification. Applied Physics Letters, 2017, 110, .   | 1.5  | 19        |
| 75 | Cationic compositional optimization of CuIn(S 1-y Se y ) 2 ultra-thin layers obtained by chemical bath deposition. Applied Surface Science, 2017, 404, 57-62.   | 3.1  | 4         |
| 76 | Chemically and morphologically distinct grain boundaries in Ge-doped Cu2ZnSnSe4 solar cells revealed with STEM-EELS. Materials and Design, 2017, 122, 102-109.  | 3.3  | 16        |
| 77 | Processing pathways of Cu2Zn(SnGe)Se4 based solar cells: The role of CdS buffer layer. Materials Science in Semiconductor Processing, 2017, 67, 14-19.  | 1.9  | 9         |
| 78 | Cu2ZnSnS4 thin film solar cells grown by fast thermal evaporation and thermal treatment. Solar Energy, 2017, 141, 236-241.  | 2.9  | 32        |
| 79 | Chemistry and Dynamics of Ge in Kesterite: Toward Band-Gap-Graded Absorbers. Chemistry of<br>Materials, 2017, 29, 9399-9406.  | 3.2  | 59        |
| 80 | Bifacial Kesterite Solar Cells on FTO Substrates. ACS Sustainable Chemistry and Engineering, 2017, 5, 11516-11524.  | 3.2  | 45        |
| 81 | Characterization of Cu <sub>2</sub> SnS <sub>3</sub> polymorphism and its impact on optoelectronic properties. Journal of Materials Chemistry A, 2017, 5, 23863-23871.  | 5.2  | 56        |
| 82 | Valence and conduction band edges of selenide and sulfide-based kesterites—a study by x-ray based spectroscopy andab initiotheory. Semiconductor Science and Technology, 2017, 32, 104010.                          | 1.0  | 1         |
| 83 | Enhanced photoelectrochemical water splitting of hematite multilayer nanowire photoanodes by tuning the surface state via bottom-up interfacial engineering. Energy and Environmental Science, 2017, 10, 2124-2136. | 15.6 | 185       |
| 84 | Towards In-reduced photovoltaic absorbers: Evaluation of zinc-blende CuInSe2-ZnSe solid solution.<br>Solar Energy Materials and Solar Cells, 2017, 160, 26-33.  | 3.0  | 15        |
| 85 | Towards understanding poor performances in spray-deposited Cu2ZnSnS4 thin film solar cells. Solar<br>Energy Materials and Solar Cells, 2017, 159, 151-158.  | 3.0  | 54        |
| 86 | Raman scattering assessment of point defects in kesterite semiconductors: UV resonant Raman characterization for advanced photovoltaics. , 2017, , .  |      | 3         |
| 87 | Optical modeling and optimizations of Cu_2ZnSnSe_4 solar cells using the modified transfer matrix method. Optics Express, 2016, 24, A1201.  | 1.7  | 20        |
| 88 | Special issue "Nanotechnology for next generation high efficiency photovoltaics: NEXTGEN NANOPV<br>Spring International School & Workshop― Solar Energy Materials and Solar Cells, 2016, 158,<br>123-125.           | 3.0  | 0         |
| 89 | Detrimental effect of Sn-rich secondary phases on Cu2ZnSnSe4 based solar cells. Journal of<br>Renewable and Sustainable Energy, 2016, 8, 033502.  | 0.8  | 6         |
|    |   |      |           |

90 Overcoming the Voc limitation of CZTSe solar cells. , 2016, , .

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 91  | Post-deposition annealing of Cu <inf>2</inf> ZnSnSe <inf>4</inf> /CdS based solar<br>cells: Analysis of the absorber's surface defects. , 2016, , .   |     | 0         |
| 92  | Advanced hybrid buffer layers for Cu <inf>2</inf> ZnSnSe <inf>4</inf> solar cells. , 2016, , .  |     | 1         |
| 93  | Enhancing grain growth and boosting Voc in CZTSe absorber layers — Is Ge doping the answer?. , 2016, , .  |     | 1         |
| 94  | Development of Cu <inf>2</inf> SnS <inf>3</inf> based solar cells by a sequential process. , 2016, , .  |     | 0         |
| 95  | The Cu(In, Ga)Se <inf>2</inf> -ZnSe system: Optimizing solid solutions for high V <inf>OC</inf><br>photovoltaic devices. , 2016, , .  |     | 0         |
| 96  | CdS bi-layers for optimized CdS/Cu <inf>2</inf> ZnSnSe <inf>4</inf> solar cells. , 2016, , .  |     | 0         |
| 97  | 8.2% pure selenide kesterite thinâ€film solar cells from largeâ€area electrodeposited precursors.<br>Progress in Photovoltaics: Research and Applications, 2016, 24, 38-51.   | 4.4 | 52        |
| 98  | Selenization of Cu2ZnSnS4 thin films obtained by pneumatic spray pyrolysis. Journal of Analytical and Applied Pyrolysis, 2016, 120, 45-51.  | 2.6 | 11        |
| 99  | Vitreous enamel as sodium source for efficient kesterite solar cells on commercial ceramic tiles.<br>Solar Energy Materials and Solar Cells, 2016, 154, 11-17.  | 3.0 | 10        |
| 100 | <i>V</i> <sub>oc</sub> Boosting and Grain Growth Enhancing Ge-Doping Strategy for<br>Cu <sub>2</sub> ZnSnSe <sub>4</sub> Photovoltaic Absorbers. Journal of Physical Chemistry C, 2016,<br>120, 9661-9670.                    | 1.5 | 69        |
| 101 | Cu <sub>2</sub> ZnSnSe <sub>4</sub> -Based Solar Cells With Efficiency Exceeding 10% by Adding a<br>Superficial Ge Nanolayer: The Interaction Between Ge and Na. IEEE Journal of Photovoltaics, 2016, 6,<br>754-759.          | 1.5 | 28        |
| 102 | Influence of Amorphous Silicon Carbide Intermediate Layer in the Back-Contact Structure of<br>Cu <sub>2</sub> ZnSnSe <sub>4</sub> Solar Cells. IEEE Journal of Photovoltaics, 2016, 6, 1327-1332.                             | 1.5 | 8         |
| 103 | Raman scattering analysis of the surface chemistry of kesterites: Impact of post-deposition annealing and Cu/Zn reordering on solar cell performance. Solar Energy Materials and Solar Cells, 2016, 157, 462-467.             | 3.0 | 71        |
| 104 | Cu <sub>2</sub> ZnSnSe <sub>4</sub> solar cells with 10.6% efficiency through innovative absorber<br>engineering with Ge superficial nanolayer. Progress in Photovoltaics: Research and Applications, 2016,<br>24, 1359-1367. | 4.4 | 77        |
| 105 | Bi-directional crystallization of Cu <inf>2</inf> ZnSnSe <inf>4</inf> assisted with back/front Ge nanolayers. , 2016, , .   |     | 1         |
| 106 | Compositional Dependence of Chemical and Electrical Properties in<br>Cu <sub>2</sub> ZnSnS <sub>4</sub> Thin Films. IEEE Journal of Photovoltaics, 2016, 6, 990-996.  | 1.5 | 10        |
| 107 | The importance of back contact modification in Cu2ZnSnSe4 solar cells: The role of a thin MoO2 layer. Nano Energy, 2016, 26, 708-721.   | 8.2 | 77        |
| 108 | Temperature dependent electrical characterization of thin film<br>Cu <sub>2</sub> ZnSnSe <sub>4</sub> solar cells. Journal Physics D: Applied Physics, 2016, 49, 085101.  | 1.3 | 21        |

| #   | Article   | IF   | CITATIONS |
|-----|---|------|-----------|
| 109 | Ultra-thin CdS for highly performing chalcogenides thin film based solar cells. Solar Energy<br>Materials and Solar Cells, 2016, 158, 138-146.  | 3.0  | 31        |
| 110 | Alkali doping strategies for flexible and light-weight Cu <sub>2</sub> ZnSnSe <sub>4</sub> solar cells.<br>Journal of Materials Chemistry A, 2016, 4, 1895-1907.  | 5.2  | 88        |
| 111 | Optical methodology for process monitoring of chalcopyrite photovoltaic technologies: Application to low cost Cu(In,Ca)(S,Se)2 electrodeposition based processes. Solar Energy Materials and Solar Cells, 2016, 158, 168-183.       | 3.0  | 51        |
| 112 | Optimization of CBD-CdS physical properties for solar cell applications considering a MIS structure.<br>Materials and Design, 2016, 99, 254-261.  | 3.3  | 18        |
| 113 | Optical and electrical properties of In-doped Cu2ZnSnSe4. Solar Energy Materials and Solar Cells, 2016, 151, 44-51.   | 3.0  | 19        |
| 114 | Secondary phase and Cu substitutional defect dynamics in kesterite solar cells: Impact on optoelectronic properties. Solar Energy Materials and Solar Cells, 2016, 149, 304-309.  | 3.0  | 82        |
| 115 | Impact of Na Dynamics at the Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> /CdS Interface During Post Low<br>Temperature Treatment of Absorbers. ACS Applied Materials & Interfaces, 2016, 8, 5017-5024.                                  | 4.0  | 72        |
| 116 | Effect of rapid thermal annealing on the Mo back contact properties for Cu2ZnSnSe4 solar cells.<br>Journal of Alloys and Compounds, 2016, 675, 158-162.   | 2.8  | 14        |
| 117 | Towards high performance Cd-free CZTSe solar cells with a ZnS(O,OH) buffer layer: the influence of thiourea concentration on chemical bath deposition. Journal Physics D: Applied Physics, 2016, 49, 125602.                        | 1.3  | 39        |
| 118 | Role of S and Se atoms on the microstructural properties of kesterite<br>Cu <sub>2</sub> ZnSn(S <sub>x</sub> Se <sub>1â^'x</sub> ) <sub>4</sub> thin film solar cells. Physical<br>Chemistry Chemical Physics, 2016, 18, 8692-8700. | 1.3  | 43        |
| 119 | Resonant Raman scattering of ZnS <sub>x</sub> Se <sub>1â^²x</sub> solid solutions: the role of S and Se electronic states. Physical Chemistry Chemical Physics, 2016, 18, 7632-7640.  | 1.3  | 43        |
| 120 | Efficient bifacial Cu2ZnSnSe4 solar cells. , 2015, , .  |      | 3         |
| 121 | High efficiency Cu2ZnSnSe4:In doped based solar cells. , 2015, , .  |      | 1         |
| 122 | Assessment of Chemical and Electronic Surface Properties of the Cu2ZnSn(SSe)4 After Different Etching Procedures by Synchrotron-based Spectroscopies. Energy Procedia, 2015, 84, 8-16.  | 1.8  | 6         |
| 123 | Cu2ZnSnSe4 based solar cells prepared at high temperatures on Si/SiO2 sodium-free substrate. , 2015, , .  |      | 0         |
| 124 | Large Efficiency Improvement in Cu <sub>2</sub> ZnSnSe <sub>4</sub> Solar Cells by Introducing a Superficial Ge Nanolayer. Advanced Energy Materials, 2015, 5, 1501070.   | 10.2 | 188       |
| 125 | Temperature dependent electroreflectance study of Cu2ZnSnSe4 solar cells. Materials Science in Semiconductor Processing, 2015, 39, 251-254.   | 1.9  | 13        |
| 126 | Investigation of selenization process of electrodeposited Cu–Zn–Sn precursor for Cu2ZnSnSe4<br>thin-film solar cells. Thin Solid Films, 2015, 589, 165-172.   | 0.8  | 5         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 127 | Large performance improvement in Cu2ZnSnSe4 based solar cells by surface engineering with a nanometric Ge layer. , 2015, , .  |     | 4         |
| 128 | 1D and 2D numerical simulations of Cu2ZnSnSe4 solar cells. , 2015, , .  |     | 3         |
| 129 | Chemical bath deposition route for the synthesis of ultra-thin CuIn(S,Se) 2 based solar cells. Thin Solid Films, 2015, 582, 74-78.  | 0.8 | 6         |
| 130 | Optimization of CdS buffer layer for highâ€performance Cu <sub>2</sub> ZnSnSe <sub>4</sub> solar<br>cells and the effects of light soaking: elimination of crossover and red kink. Progress in<br>Photovoltaics: Research and Applications, 2015, 23, 1660-1667.              | 4.4 | 110       |
| 131 | Raman scattering quantitative analysis of the anion chemical composition in kesterite<br>Cu2ZnSn(SxSe1â^x)4 solid solutions. Journal of Alloys and Compounds, 2015, 628, 464-470.   | 2.8 | 69        |
| 132 | Influence of compositionally induced defects on the vibrational properties of device grade<br>Cu2ZnSnSe4 absorbers for kesterite based solar cells. Applied Physics Letters, 2015, 106, .   | 1.5 | 135       |
| 133 | Non-destructive assessment of ZnO:Al window layers in advanced<br>Cu(In,Ga)Se <sub>2</sub> photovoltaic technologies. Physica Status Solidi (A) Applications and<br>Materials Science, 2015, 212, 56-60.  | 0.8 | 12        |
| 134 | Advanced characterization of electrodeposition-based high efficiency solar cells: Non-destructive<br>Raman scattering quantitative assessment of the anion chemical composition in Cu(In,Ga)(S,Se)2<br>absorbers. Solar Energy Materials and Solar Cells, 2015, 143, 212-217. | 3.0 | 26        |
| 135 | Complex Surface Chemistry of Kesterites: Cu/Zn Reordering after Low Temperature Postdeposition Annealing and Its Role in High Performance Devices. Chemistry of Materials, 2015, 27, 5279-5287.   | 3.2 | 99        |
| 136 | Synthesis of CuIn(S,Se)2 quaternary alloys by screen printing and selenization-sulfurization<br>sequential steps: Development of composition graded absorbers for low cost photovoltaic devices.<br>Materials Chemistry and Physics, 2015, 160, 237-243.                      | 2.0 | 9         |
| 137 | Formation and impact of secondary phases in Cu-poor Zn-rich Cu2ZnSn(S1â^Se )4 (0â‰9â‰≇) based solar<br>cells. Solar Energy Materials and Solar Cells, 2015, 140, 289-298.   | 3.0 | 60        |
| 138 | Compositional paradigms in multinary compound systems for photovoltaic applications: a case study of kesterites. Journal of Materials Chemistry A, 2015, 3, 9451-9455.  | 5.2 | 34        |
| 139 | Zn-poor Cu <sub>2</sub> ZnSnSe <sub>4</sub> thin films and solar cell devices. Physica Status Solidi<br>(A) Applications and Materials Science, 2015, 212, 109-115.   | 0.8 | 13        |
| 140 | Cu <sub>2</sub> ZnSnS <sub>4</sub> absorber layers deposited by spray pyrolysis for advanced<br>photovoltaic technology. Physica Status Solidi (A) Applications and Materials Science, 2015, 212,<br>126-134.   | 0.8 | 7         |
| 141 | Electrical properties of sprayed Cu2ZnSnS4 thin films and its relation with secondary phase formation and solar cell performance. Solar Energy Materials and Solar Cells, 2015, 132, 557-562.   | 3.0 | 61        |
| 142 | Culn1â^'Al Se2 thin film solar cells with depth gradient composition prepared by selenization of evaporated metallic precursors. Solar Energy Materials and Solar Cells, 2015, 132, 245-251.  | 3.0 | 22        |
| 143 | Route towards low cost-high efficiency second generation solar cells: current status and perspectives. Journal of Materials Science: Materials in Electronics, 2015, 26, 5562-5573.   | 1.1 | 38        |
| 144 | Fabrication and characterization of kesterite Cu <sub>2</sub> ZnSnS <sub>4</sub> thin films deposited by electrostatic spray assisted vapour deposition method. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 135-139.                             | 0.8 | 10        |

| #   | Article  | IF                | CITATIONS    |
|-----|--|-------------------|--------------|
| 145 | Characterization of Cu2ZnSnSe4 solar cells prepared from electrochemically co-deposited Cu–Zn–Sn<br>alloy. Solar Energy Materials and Solar Cells, 2015, 132, 21-28.   | 3.0               | 28           |
| 146 | Raman scattering analysis of electrodeposited Cu(In,Ga)Se2 solar cells: Impact of ordered vacancy compounds on cell efficiency. Applied Physics Letters, 2014, 105, .  | 1.5               | 49           |
| 147 | Multiwavelength excitation Raman scattering of Cu2ZnSn(SxSe1â^'x)4 (0 â‰≇€‰ <i>x</i> â‰≇€‰1)<br>thin films: Vibrational properties of sulfoselenide solid solutions. Applied Physics Letters, 2014, 105, .                                 | polycrysta<br>1.5 | alline<br>64 |
| 148 | Rapid thermal processing of Cu <inf>2</inf> ZnSnSe <inf>4</inf> thin films. , 2014, , .  |                   | 1            |
| 149 | Trap and recombination centers study in sprayed Cu2ZnSnS4 thin films. Journal of Applied Physics, 2014, 116, 134503.   | 1.1               | 25           |
| 150 | Secondary phase formation in Znâ€rich Cu <sub>2</sub> ZnSnSe <sub>4</sub> â€based solar cells annealed<br>in low pressure and temperature conditions. Progress in Photovoltaics: Research and Applications,<br>2014, 22, 479-487.          | 4.4               | 97           |
| 151 | High V <inf>OC</inf> Cu <inf>2</inf> ZnSnSe <inf>4</inf> /CdS:Cu based<br>solar cell: Evidences of a metal-insulator-semiconductor (MIS) type hetero-junction. , 2014, , .   |                   | 8            |
| 152 | Crystallographic and Optical Characteristics of Thin Films of Cu2ZnSn(S x Se1–x )4 Solid Solutions.<br>Journal of Applied Spectroscopy, 2014, 81, 776-781.   | 0.3               | 9            |
| 153 | ZnS grain size effects on near-resonant Raman scattering: optical non-destructive grain size estimation. CrystEngComm, 2014, 16, 4120.   | 1.3               | 105          |
| 154 | Two ideal compositions for kesterite-based solar cell devices. , 2014, , .   |                   | 3            |
| 155 | Vibrational and structural properties of<br>Cu <inf>2</inf> ZnSn(S <inf>x</inf> Se <inf>1−x</inf> ) <inf>4</inf> (0 ≤ x ≤ 1) solid<br>solutions. , 2014, , .   |                   | 0            |
| 156 | Precursor Stack Ordering Effects in Cu <sub>2</sub> ZnSnSe <sub>4</sub> Thin Films Prepared by Rapid<br>Thermal Processing. Journal of Physical Chemistry C, 2014, 118, 17291-17298.   | 1.5               | 53           |
| 157 | Earth-abundant absorber based solar cells onto low weight stainless steel substrate. Solar Energy<br>Materials and Solar Cells, 2014, 130, 347-353.  | 3.0               | 33           |
| 158 | Impact of Sn(S,Se) Secondary Phases in Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> Solar Cells: a<br>Chemical Route for Their Selective Removal and Absorber Surface Passivation. ACS Applied Materials<br>& Interfaces, 2014, 6, 12744-12751. | 4.0               | 132          |
| 159 | Multiwavelength excitation Raman scattering study of polycrystalline kesterite Cu2ZnSnS4 thin films.<br>Applied Physics Letters, 2014, 104, .  | 1.5               | 249          |
| 160 | Combined Raman scattering/photoluminescence analysis of Cu(In,Ga)Se2 electrodeposited layers.<br>Solar Energy, 2014, 103, 89-95.   | 2.9               | 16           |
| 161 | Pneumatically sprayed Cu <sub>2</sub> ZnSnS <sub>4</sub> films under Ar and<br>Ar–H <sub>2</sub> atmosphere. Journal Physics D: Applied Physics, 2014, 47, 245101.   | 1.3               | 17           |
| 162 | Raman scattering crystalline assessment of polycrystalline Cu2ZnSnS4 thin films for sustainable photovoltaic technologies: Phonon confinement model. Acta Materialia, 2014, 70, 272-280.   | 3.8               | 115          |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 163 | ZnSe Etching of Znâ€Rich Cu <sub>2</sub> ZnSnSe <sub>4</sub> : An Oxidation Route for Improved<br>Solarâ€Cell Efficiency. Chemistry - A European Journal, 2013, 19, 14814-14822.  | 1.7 | 118       |
| 164 | Toward a high Cu2ZnSnS4 solar cell efficiency processed by spray pyrolysis method. Journal of Renewable and Sustainable Energy, 2013, 5, .  | 0.8 | 32        |
| 165 | Antimony-Based Ligand Exchange To Promote Crystallization in Spray-Deposited<br>Cu <sub>2</sub> ZnSnSe <sub>4</sub> Solar Cells. Journal of the American Chemical Society, 2013, 135,<br>15982-15985.                     | 6.6 | 107       |
| 166 | A thermal route to synthesize photovoltaic grade CuInSe2 films from printed CuO/In2O3<br>nanoparticle-based inks under Se atmosphere. Journal of Renewable and Sustainable Energy, 2013, 5,<br>053140.                    | 0.8 | 4         |
| 167 | UV-Raman scattering assessment of ZnO:Al layers from Cu(In, Ga)Se <inf>2</inf> based solar cells:<br>Application for fast on-line process monitoring. , 2013, , .   |     | 0         |
| 168 | Selective detection of secondary phases in Cu <inf>2</inf> ZnSn(S, Se) <inf>4</inf><br>based absorbers by pre-resonant Raman spectroscopy. , 2013, , .  |     | 12        |
| 169 | Compositional optimization of photovoltaic grade Cu2ZnSnS4 films grown by pneumatic spray pyrolysis. Thin Solid Films, 2013, 535, 67-72.  | 0.8 | 66        |
| 170 | On the formation mechanisms of Zn-rich Cu2ZnSnS4 films prepared by sulfurization of metallic stacks. Solar Energy Materials and Solar Cells, 2013, 112, 97-105.   | 3.0 | 200       |
| 171 | Cu2ZnSnS4 thin films grown by flash evaporation and subsequent annealing in Ar atmosphere. Thin Solid Films, 2013, 535, 62-66.  | 0.8 | 20        |
| 172 | Raman scattering and disorder effect in Cu <sub>2</sub> ZnSnS <sub>4</sub> . Physica Status Solidi -<br>Rapid Research Letters, 2013, 7, 258-261.   | 1.2 | 136       |
| 173 | Single‣tep Sulfo‣elenization Method to Synthesize<br>Cu <sub>2</sub> ZnSn(S <sub><i>y</i></sub> Se <sub>1â~'<i>y</i></sub> ) <sub>4</sub> Absorbers from<br>Metallic Stack Precursors. ChemPhysChem, 2013, 14, 1836-1843. | 1.0 | 54        |
| 174 | Secondary phases dependence on composition ratio in sprayed Cu2ZnSnS4 thin films and its impact on the high power conversion efficiency. Solar Energy Materials and Solar Cells, 2013, 117, 246-250.                      | 3.0 | 116       |
| 175 | Inhibiting the absorber/Mo-back contact decomposition reaction in Cu2ZnSnSe4 solar cells: the role of a ZnO intermediate nanolayer. Journal of Materials Chemistry A, 2013, 1, 8338.                                      | 5.2 | 151       |
| 176 | Synthesis of CuInSe <sub align="right">2 nanopowders by microwave assisted solvothermal method. International Journal of Nanotechnology, 2013, 10, 1029.</sub>  | 0.1 | 1         |
| 177 | Preparation of 4.8% efficiency Cu <inf>2</inf> ZnSnSe <inf>4</inf> based solar cell by a two step process. , 2012, , .  |     | 2         |
| 178 | Vibrational properties of stannite and kesterite type compounds: Raman scattering analysis of<br>Cu2(Fe,Zn)SnS4. Journal of Alloys and Compounds, 2012, 539, 190-194.   | 2.8 | 201       |
| 179 | Development of a Selective Chemical Etch To Improve the Conversion Efficiency of Zn-Rich<br>Cu <sub>2</sub> ZnSnS <sub>4</sub> Solar Cells. Journal of the American Chemical Society, 2012, 134,<br>8018-8021.            | 6.6 | 242       |
| 180 | In-depth resolved Raman scattering analysis for the identification of secondary phases:<br>Characterization of Cu2ZnSnS4 layers for solar cell applications. Applied Physics Letters, 2011, 98, .                         | 1.5 | 287       |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 181 | Detection of a ZnSe secondary phase in coevaporated Cu2ZnSnSe4 thin films. Applied Physics Letters, 2011, 98, .   | 1.5 | 195       |
| 182 | Process monitoring of chalcopyrite photovoltaic technologies by Raman spectroscopy: an application to low cost electrodeposition based processes. New Journal of Chemistry, 2011, 35, 453-460.  | 1.4 | 52        |
| 183 | Raman scattering analysis of Cu-poor Cu(In,Ga)Se2 cells fabricated on polyimide substrates: Effect of<br>Na content on microstructure and phase structure. Thin Solid Films, 2011, 519, 7300-7303.  | 0.8 | 29        |
| 184 | High efficiency CIGS based solar cells with electrodeposited ZnO:Cl as transparent conducting oxide front contact. Progress in Photovoltaics: Research and Applications, 2011, 19, 537-546.   | 4.4 | 30        |
| 185 | Assessment of absorber composition and nanocrystalline phases in CuInS2 based photovoltaic technologies by ex-situ/in-situ resonant Raman scattering measurements. Solar Energy Materials and Solar Cells, 2011, 95, S83-S88.   | 3.0 | 27        |
| 186 | Process monitoring and in line composition assessment of high throughput thin film processes by resonant Raman spectroscopy. , $2011$ , , .   |     | 0         |
| 187 | Real-Time Raman Scattering Analysis of the Electrochemical Growth of CulnSe2 Precursors for Culn(S,Se)2 Solar Cells. Journal of the Electrochemical Society, 2011, 158, H521.   | 1.3 | 5         |
| 188 | Properties of In2S3 thin films deposited onto ITO/glass substrates by chemical bath deposition. Journal of Physics and Chemistry of Solids, 2010, 71, 1629-1633.  | 1.9 | 37        |
| 189 | Phase evolution during CuInSe2 electrodeposition on polycrystalline Mo. Thin Solid Films, 2010, 518, 3674-3679<br>Rapid thermal processing of <mml:math <="" altimg="sil.gif" display="inline" overflow="scroll" td=""><td>0.8</td><td>13</td></mml:math>   | 0.8 | 13        |
| 190 | xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema"<br>xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd"<br>xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML"<br>xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"  | 1.8 | 3         |
| 191 | zmins:sb="http://www.elsevier.com/zmi/common/struct-bib/dtd" zmins:ce="http://www.elsevier.com/zmi/common/struct-bib/dtd" zmins:ce="http://www.elsevier.com/zmi/com<br>cells.Applice.com/zmi/common/struct-bib/dtd" zmins:ce="http://www.elsevier.com/zmi/common/struct-bib/dtd" zmins:ce="http://www.elsevier.com/zmi/common/struct-bib/dtd" zmins:ce="http://wwweelsevier.com/zmi/common/struct-bib/dtd" zmins:c | 1.5 | 20        |
| 192 | Application of capacitance-based techniques to the characterization of multijunction solar cells. , 2009, , .   |     | 2         |
| 193 | Raman scattering based strategies for quality control and process monitoring in electrodeposited<br>Culn(S,Se)2 solar cell technologies. Materials Research Society Symposia Proceedings, 2009, 1165, 1.  | 0.1 | 0         |
| 194 | Electrodeposition based synthesis of S-rich Culn(S,Se)2 layers for photovoltaic applications: Raman scattering analysis of electrodeposited CulnSe2 precursors. Thin Solid Films, 2009, 517, 2163-2166.   | 0.8 | 21        |
| 195 | Raman scattering and structural analysis of electrodeposited CuInSe <sub>2</sub> and Sâ€rich<br>quaternary CuIn(S,Se) <sub>2</sub> semiconductors for solar cells. Physica Status Solidi (A)<br>Applications and Materials Science, 2009, 206, 1001-1004.   | 0.8 | 51        |
| 196 | Key role of Cu–Se binary phases in electrodeposited CuInSe2 precursors on final distribution of Cu–S phases in CuIn(S,Se)2 absorbers. Thin Solid Films, 2009, 517, 2268-2271.   | 0.8 | 29        |
| 197 | Extrinsic Doping of Electrodeposited Zinc Oxide Films by Chlorine for Transparent Conductive Oxide Applications. Chemistry of Materials, 2009, 21, 534-540.   | 3.2 | 122       |
| 198 | Cathodoluminescence study of CdTe crystals doped with Bi and Bi:Yb. Journal of Materials Science, 2008, 43, 5605-5608.  | 1.7 | 5         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 199 | Evaluation of photoelectrical properties of Bi doped CdTe crystals. Journal of Materials Science:<br>Materials in Electronics, 2008, 19, 234-238.   | 1.1 | 1         |
| 200 | Growth and characterization of CdTe:Ge:Yb. Journal of Crystal Growth, 2008, 310, 2076-2079.   | 0.7 | 1         |
| 201 | Modified Bridgman growth of CdTe crystals. Journal of Crystal Growth, 2008, 310, 2067-2071.   | 0.7 | 46        |
| 202 | Study of the physical properties of Bi doped CdTe thin films deposited by close space vapour transport.<br>Thin Solid Films, 2008, 516, 3818-3823.  | 0.8 | 16        |
| 203 | Investigation of the origin of deep levels in CdTe doped with Bi. Journal of Applied Physics, 2008, 103, 094901.  | 1.1 | 20        |
| 204 | Culn(S,Se) <inf>2</inf> Electrodeposited control of defects through Cu/In monitoring Conference<br>Record of the IEEE Photovoltaic Specialists Conference, 2008, , .  | 0.0 | 0         |
| 205 | Effect of Yb concentration on the resistivity and lifetime of CdTe:Ge:Yb codoped crystals. Applied Physics Letters, 2007, 91, .   | 1.5 | 12        |
| 206 | Hexagonal CdTe-Like Rods Prompted from Bi2Te3Droplets. Journal of Physical Chemistry C, 2007, 111, 5588-5591.   | 1.5 | 12        |
| 207 | Physical properties of Bi doped CdTe thin films grown by CSVT and their influence on the CdS/CdTe solar cells PV-properties. Thin Solid Films, 2007, 515, 5819-5823.  | 0.8 | 17        |
| 208 | A study of the optical absorption in CdTe by photoacoustic spectroscopy. Journal of Materials<br>Science, 2007, 42, 7176-7179.  | 1.7 | 14        |
| 209 | Bi doped CdTe: increasing potentialities of CdTe based solar cells. Journal of Physics Condensed Matter, 2006, 18, 7163-7169.   | 0.7 | 10        |
| 210 | Photoluminescence and photoconductivity in CdTe crystals doped with Bi. Journal of Applied Physics, 2006, 100, 104901.  | 1.1 | 33        |
| 211 | Characterization of optical and electrical properties of CdTe:Yb co-doped with Ge. Journal of Crystal Growth, 2006, 286, 384-388.   | 0.7 | 13        |
| 212 | Growth and properties of CdTe:Bi-doped crystals. Journal of Crystal Growth, 2006, 291, 416-423.   | 0.7 | 28        |
| 213 | Physical properties of Bi doped CdTe thin films grown by the CSVT method. Solar Energy Materials and Solar Cells, 2006, 90, 2228-2234.  | 3.0 | 14        |
| 214 | Vapour growth of Cd(Zn)Te columnar nanopixels into porous alumina. Nuclear Instruments and<br>Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated<br>Equipment, 2006, 568, 455-458. | 0.7 | 3         |
| 215 | Simulation and characterization of CdTe:Bi crystals grown by the Markov method. Journal of Crystal Growth, 2005, 275, e471-e477.  | 0.7 | 16        |
| 216 | Formation of CdTe columnar structures prompted by In- and Ga-rich nanodots. Journal of Crystal Growth, 2005, 275, e1131-e1135.  | 0.7 | 7         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 217 | CdTe polycrystalline films for X-ray digital imaging applications. Thin Solid Films, 2005, 471, 304-309.   | 0.8 | 15        |
| 218 | Optical second-harmonic imaging of PbxCd1â^'xTe ternary alloys. Journal of Applied Physics, 2005, 97, 103104.  | 1.1 | 8         |
| 219 | Defect Characterization of CdTe Bulk Crystals Doped with Heavy Elements and Rare Earths. Materials<br>Research Society Symposia Proceedings, 2005, 864, 4181.  | 0.1 | 11        |
| 220 | Morphology and electrical properties of Pb1â^'xCdxTe/CdTe heterostructures. EPJ Applied Physics, 2004, 27, 207-211.  | 0.3 | 4         |
| 221 | Heavy metal doping of CdTe crystals. IEEE Transactions on Nuclear Science, 2004, 51, 3105-3110.  | 1.2 | 23        |
| 222 | Numerical analysis of heat transfer for the modified markov method. Crystal Research and Technology, 2004, 39, 886-891.  | 0.6 | 2         |
| 223 | Addition of an insulating element to the Modified Markov Method for CdTe single crystals growth.<br>Crystal Research and Technology, 2004, 39, 892-898.  | 0.6 | 2         |
| 224 | Growth of bismuth tri-iodide platelets by the physical vapor deposition method. Crystal Research and Technology, 2004, 39, 912-919.  | 0.6 | 37        |
| 225 | Bismuth Tri-Iodide Polycrystalline Films for Digital X-Ray Radiography Applications. IEEE Transactions<br>on Nuclear Science, 2004, 51, 96-100.  | 1.2 | 36        |
| 226 | Some structural aspects of PbxCd1â^'xTe bulk material. EPJ Applied Physics, 2004, 27, 427-430.   | 0.3 | 14        |
| 227 | Lead iodide platelets: correlation between surface, optical, and electrical properties with X- and /spl<br>gamma/-ray spectrometric performance. IEEE Transactions on Nuclear Science, 2002, 49, 3300-3305.  | 1.2 | 18        |
| 228 | New ways for purifying lead iodide appropriate as spectrometric grade material. IEEE Transactions on Nuclear Science, 2002, 49, 1974-1977.   | 1.2 | 20        |
| 229 | Toward epitaxial lead-iodide films for X-ray digital imaging. IEEE Transactions on Nuclear Science, 2002, 49, 2274-2278.   | 1.2 | 33        |
| 230 | Defects in CdTe polycrystalline films grown by physical vapour deposition. Materials Science and<br>Engineering B: Solid-State Materials for Advanced Technology, 2002, 91-92, 525-528.                      | 1.7 | 17        |
| 231 | Polycrystalline Lead Iodide Films: Optical, Electrical and X-ray Counting Characterization. Materials<br>Research Society Symposia Proceedings, 2001, 685, 1.  | 0.1 | 12        |
| 232 | Lead iodide film deposition and characterization. Nuclear Instruments and Methods in Physics<br>Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 458,<br>406-412. | 0.7 | 48        |
| 233 | <title>Growth of lead iodide platelets for room temperature x-ray detection by the vapor transport method</title> ., 2001,,.   |     | 13        |
|     |  |     |           |

234 <title>Mercuric iodide polycrystalline films</title>., 2001,,.

| #   | Article  | IF | CITATIONS |
|-----|--|----|-----------|
| 235 | <title>Comparison between sublimation and evaporation as process for growing lead iodide polycrystalline films</title> . , 2001, 4507, 99.           |    | 16        |
| 236 | Bismuth tri-iodide polycrystalline films for digital X-ray radiography applications. , 0, , .  |    | 1         |
| 237 | Towards epitaxial lead iodide films for X-ray digital imaging. , 0, , .  |    | 0         |
| 238 | New ways for purifying lead iodide appropriate as spectrometric grade material. , 0, , .   |    | 2         |
| 239 | Lead iodide platelets: correlation between surface, optical and electrical properties with X and $\hat{I}^3$ ray spectrometric performance. , 0, , . |    | 0         |
| 240 | Heavy metal doping of CdTe crystals. , 0, , .  |    | 0         |