# Jiaxiong Xu

List of Publications by Year
in descending order

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| 27 | 251 | 932766 10 | 996533 15 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 27 | 27 | 27 | 275 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Inhibiting the formation of MoS2 between Cu2ZnSnS4 thin film and Mo(211) foil substrate by inserting a Mo(110) intermediate layer. Optical Materials, 2022, 124, 111996. | 1.7 | 2 |
| 2 | Investigation of the properties of CZTS/FTO interface. Optical Materials, 2021, 115, 111034. | 1.7 | 1 |
| 3 | Study on the role of Mn in Ag and Mn co-doped Cu2ZnSnS4 thin films. Materials Science in Semiconductor Processing, 2021, 129, 105787. | 1.9 | 7 |
| 4 | Influences of selenization temperature on the properties of CZTSSe thin films and CZTSSe/Mo interfaces. Journal of Materials Science: Materials in Electronics, 2021, 32, 28373-28381. | 1.1 | 3 |
| 5 | Numerical analysis of the effect of MoS2 interface layers on copper-zinc-tin-sulfur thin film solar cells. Optik, 2020, 201, 163496. | 1.4 | 14 |
| 6 | Study of interface properties between Cu2ZnSnS4 thin films and metal substrates. Ceramics International, 2020, 46, 218-226. | 2.3 | 5 |
| 7 | Effect of sulfur powder mass on the formation of MoS2 interface layer between Cu2ZnSnS4 thin film and Mo foil. Superlattices and Microstructures, 2020, 147, 106724. | 1.4 | 4 |
| 8 | Fabrication of Ag and Mn Co-Doped Cu2ZnSnS4 Thin Film. Nanomaterials, 2019, 9, 1520. | 1.9 | 12 |
| 9 | Influence of pre-sulfurization temperature on properties of Cu2ZnSnS4 thin film in two-step sulfurization process. Journal of Renewable and Sustainable Energy, 2019, 11, . | 0.8 | 7 |
| 10 | Fabrication of Cu2ZnSnS4 thin films by microwave assisted sol-gel method. Superlattices and Microstructures, 2019, 126, 83-88. | 1.4 | 19 |
| 11 | Analysis of the open-circuit voltage of Cu2ZnSn(S, Se)4 thin film solar cell. Solar Energy, 2018, 164, 231-242. | 2.9 | 18 |
| 12 | Effect of periodic precursor on sulfurization process of Cu2ZnSnS4 thin film. Ceramics International, 2018, 44, 20877-20882. | 2.3 | 3 |
| 13 | Effect of Substrate Bias on the Structural and Electrical Properties of Sputtered Mo Thin Films on Flexible Substrates. Journal of Applied Biomaterials and Functional Materials, 2016, 14, 20-23. | 0.7 | 1 |
| 14 | Fabrication of Cu2Zn(Sn,Si)S4 thin films using a two-step method for solar cell applications. Electronic Materials Letters, 2016, 12, 761-767. | 1.0 | 6 |
| 15 | Effects of copper content on properties of CZTS thin films grown on flexible substrate. Superlattices and Microstructures, 2016, 100, 1283-1290. | 1.4 | 11 |
| 16 | Investigation of Cu2ZnSnS4 thin-film solar cells with carrier concentration gradient. Journal of Physics and Chemistry of Solids, 2016, 98, 32-37. | 1.9 | 11 |
| 17 | Preparations of Cu2ZnSnS4 thin films and Cu2ZnSnS4/Si heterojunctions on silicon substrates by sputtering. Optik, 2016, 127, 1567-1571. | 1.4 | 18 |
| 18 | Characterization of Cu2ZnSnS4 thin films on flexible metal foil substrates. Journal of Materials Science: Materials in Electronics, 2015, 26, 726-733. | 1.1 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Fabrication of Cu2ZnSnS4 thin films on flexible polyimide substrates by sputtering and post-sulfurization. Journal of Renewable and Sustainable Energy, 2014, 6, 053110. | 0.8 | 15 |
| 20 | Effects of band offset and doping concentration on the photovoltaic properties of nâ€Î²â€FeSi<sub>2</sub>/pâ€Si and pâ€Î²â€FeSi<sub>2</sub>/nâ€Si heterojunction solar cells. Surface and Interface Analysis, 2014, 46, 248-253. | 0.8 | 6 |
| 21 | Study on the performances of SnS heterojunctions by numerical analysis. Energy Conversion and Management, 2014, 78, 260-265. | 4.4 | 37 |
| 22 | Study on the n-Î²-FeSi2/p-Si solar cells under different illuminated directions. Optik, 2014, 125, 7002-7006. | 1.4 | 1 |
| 23 | Fabrications of SnS thin films and SnS-based heterojunctions on flexible polyimide substrates. Journal of Materials Science: Materials in Electronics, 2014, 25, 3028-3033. | 1.1 | 9 |
| 24 | Improved photovoltaic properties of a-Si/Î²-FeSi2/c-Si double heterojunction by Al-doping. Physica B: Condensed Matter, 2012, 407, 756-758. | 1.3 | 5 |
| 25 | Growth of Î²-FeSi2 thin film on textured silicon substrate for solar cell application. Applied Surface Science, 2011, 257, 10168-10171. | 3.1 | 9 |
| 26 | Effect of Si/Fe ratio on the boron and phosphorus doping efficiency of Î²-FeSi2 by magnetron sputtering. Thin Solid Films, 2011, 520, 515-518. | 0.8 | 1 |
| 27 | Photovoltaic characteristics of a-Si/Î²-FeSi2/c-Si double heterojunction fabricated by magnetron sputtering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2011, 29, . | 0.9 | 10 |