

Xing-Zhao Liu

List of Publications by Year in descending order

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40
papers

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times ranked

1113
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Photoelectric properties of $\hat{\Gamma}^2$ -Ga ₂ O ₃ thin films annealed at different conditions. <i>Rare Metals</i> , 2022, 41, 1375-1379. | 7.1 | 9 |
| 2 | Dilute-selenium alloying: A possible perspective for achieving p-type conductivity of $\hat{\Gamma}^2$ -gallium oxide. <i>Journal of Alloys and Compounds</i> , 2022, 891, 161969. | 5.5 | 6 |
| 3 | van der Waals growth of PbSe thin films on graphene and Bi ₂ Se ₃ . <i>Vacuum</i> , 2022, 201, 111043. | 3.5 | 3 |
| 4 | Characterization and performance of graphene/PbSe thin film heterojunction. <i>Rare Metals</i> , 2021, 40, 219-224. | 7.1 | 11 |
| 5 | Investigation on band alignment of Bi ₂ Se ₃ /PbSe heterojunction. <i>Applied Physics Letters</i> , 2021, 118, 162101. | 3.3 | 2 |
| 6 | Fabrication of Topological Insulator Bi ₂ Se ₃ /PbSe Heterojunction Photodetector for Infrared Detection. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100406. | 2.4 | 3 |
| 7 | Two-dimensional MoSe ₂ /graphene heterostructure thin film with wafer-scale continuity via van der Waals epitaxy. <i>Chemical Physics Letters</i> , 2020, 755, 137762. | 2.6 | 3 |
| 8 | Pyrochlore oxide Y ₂ Hf ₂ O ₇ thin films for solar-blind UV detectors. <i>Optical Materials</i> , 2020, 105, 109837. | 3.6 | 1 |
| 9 | High performance photodetectors constructed on atomically thin few-layer MoSe ₂ synthesized using atomic layer deposition and a chemical vapor deposition chamber. <i>Journal of Alloys and Compounds</i> , 2019, 785, 951-957. | 5.5 | 21 |
| 10 | Layer-controlled synthesis of wafer-scale MoSe ₂ nanosheets for photodetector arrays. <i>Journal of Materials Science</i> , 2018, 53, 8436-8444. | 3.7 | 38 |
| 11 | Synthesis of few-layer 2H-MoSe ₂ thin films with wafer-level homogeneity for high-performance photodetector. <i>Nanophotonics</i> , 2018, 7, 1959-1969. | 6.0 | 41 |
| 12 | Characterization of Molybdenum Oxide Thin Films Grown by Atomic Layer Deposition. <i>Journal of Electronic Materials</i> , 2018, 47, 6709-6715. | 2.2 | 25 |
| 13 | Tailoring the Band Alignment of Ga _x Zn _{1-x} O/InGaZnO Heterojunction for Modulation-Doped Transistor Applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800332. | 1.8 | 4 |
| 14 | Band alignment and interfacial chemical structure of the HfLaO/InGaZnO ₄ heterojunction investigated by x-ray photoelectron spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 145106. | 2.8 | 2 |
| 15 | Determination of the Band Alignment of a $\hat{\Gamma}^2$ GZO/a $\hat{\Gamma}^2$ GMO Heterojunction for High-Electron Mobility Transistor Application. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1700251. | 2.4 | 7 |
| 16 | Ultrahigh-Responsivity, Rapid-Recovery, Solar-Blind Photodetector Based on Highly Nonstoichiometric Amorphous Gallium Oxide. <i>ACS Photonics</i> , 2017, 4, 2203-2211. | 6.6 | 254 |
| 17 | Novel AlN/Pt/ZnO Electrode for High Temperature SAW Sensors. <i>Materials</i> , 2017, 10, 69. | 2.9 | 14 |
| 18 | Amorphous InGaMgO Ultraviolet Photo-TFT with Ultrahigh Photosensitivity and Extremely Large Responsivity. <i>Materials</i> , 2017, 10, 168. | 2.9 | 6 |

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|----|---|-----|-----------|
| 19 | Improvement of High-Temperature Stability of Al ₂ O ₃ /Pt/ZnO/Al ₂ O ₃ Film Electrode for SAW Devices by Using Al ₂ O ₃ Barrier Layer. <i>Materials</i> , 2017, 10, 1377. | 2.9 | 17 |
| 20 | PMN-PT/PVDF Nanocomposite for High Output Nanogenerator Applications. <i>Nanomaterials</i> , 2016, 6, 67. | 4.1 | 34 |
| 21 | The Characterization of Surface Acoustic Wave Devices Based on AlN-Metal Structures. <i>Sensors</i> , 2016, 16, 526. | 3.8 | 34 |
| 22 | Effects of AlN Coating Layer on High Temperature Characteristics of Langasite SAW Sensors. <i>Sensors</i> , 2016, 16, 1436. | 3.8 | 20 |
| 23 | Effects of the magnesium oxide thin films' microstructures on the residual stresses. <i>Journal of Alloys and Compounds</i> , 2016, 679, 122-124. | 5.5 | 3 |
| 24 | High temperature characteristics of AlN film SAW sensor integrated with TC4 alloy substrate. <i>Sensors and Actuators A: Physical</i> , 2016, 249, 57-61. | 4.1 | 10 |
| 25 | Electrical performance of alumina films made in EB evaporation. <i>Modern Physics Letters B</i> , 2016, 30, 1650260. | 1.9 | 1 |
| 26 | Surfactant-Assisted Hydrothermal Synthesis of PMN-PT Nanorods. <i>Nanoscale Research Letters</i> , 2016, 11, 49. | 5.7 | 6 |
| 27 | AlN-based surface acoustic wave resonators on platinum bottom electrodes for high-temperature sensing applications. <i>Rare Metals</i> , 2016, 35, 408-411. | 7.1 | 26 |
| 28 | AlN-based surface acoustic wave resonators for temperature sensing applications. <i>Materials Express</i> , 2015, 5, 367-370. | 0.5 | 29 |
| 29 | High-Temperature SAW Wireless Strain Sensor with Langasite. <i>Sensors</i> , 2015, 15, 28531-28542. | 3.8 | 51 |
| 30 | Dielectric thin films for GaN-based high-electron-mobility transistors. <i>Rare Metals</i> , 2015, 34, 371-380. | 7.1 | 3 |
| 31 | AlN film SAW resonator integrated with metal structure. <i>Electronics Letters</i> , 2015, 51, 379-380. | 1.0 | 11 |
| 32 | Nano-structured optical hetero-coatings for ultraviolet protection. <i>Materials Letters</i> , 2015, 152, 290-292. | 2.6 | 3 |
| 33 | RESIDUAL STRESSES IN OBLIQUE INCIDENCE DEPOSITED ALUMINA THIN FILM. <i>Surface Review and Letters</i> , 2014, 21, 1450024. | 1.1 | 1 |
| 34 | Polymer assisted thick single-layer YBa ₂ Cu ₃ O _{7-δ} films prepared with modified TFA-MOD method. <i>Rare Metals</i> , 2014, 33, 594-597. | 7.1 | 5 |
| 35 | Growth characteristics and device properties of MOD derived $\hat{\Gamma}^2$ -Ga ₂ O ₃ films. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 3629-3632. | 2.2 | 18 |
| 36 | The electrical and morphological properties of magnesium oxide/alumina bilayered thin films prepared by electron beam evaporation at oblique incidence. <i>Applied Surface Science</i> , 2014, 292, 665-669. | 6.1 | 5 |

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|----|---|-----|-----------|
| 37 | The optical properties of alumina films prepared by electron beam evaporation at oblique incidence. Materials Letters, 2013, 101, 1-4. | 2.6 | 14 |
| 38 | AlN-based piezoelectric micromachined ultrasonic transducer for photoacoustic imaging. Applied Physics Letters, 2013, 103, . | 3.3 | 59 |
| 39 | Comparative study on the doping effect of 3d elements in Bi _{1.5} Pb _{0.2} Sr ₂ Ca ₂ Cu _{2.8} MO _{2.0} y (M=Sc, Ti, V) Tj ETQq _{1.1} 0.7843 _{0.5} 14 rgBT | 0.5 | 0 |
| 40 | Highly orientated Bi(Pb)SrCaCuO superconducting thin film by magnetron sputtering of three targets. Journal of Materials Science Letters, 1996, 15, 531-533. | 0.5 | 0 |