

# Xing-Zhao Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8203012/publications.pdf>

Version: 2024-02-01

40  
papers

804  
citations

623734

14  
h-index

501196

28  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh-Responsivity, Rapid-Recovery, Solar-Blind Photodetector Based on Highly Nonstoichiometric Amorphous Gallium Oxide. ACS Photonics, 2017, 4, 2203-2211.	6.6	254
2	AlN-based piezoelectric micromachined ultrasonic transducer for photoacoustic imaging. Applied Physics Letters, 2013, 103, .	3.3	59
3	High-Temperature SAW Wireless Strain Sensor with Langasite. Sensors, 2015, 15, 28531-28542.	3.8	51
4	Synthesis of few-layer 2H-MoSe <sub>2</sub> thin films with wafer-level homogeneity for high-performance photodetector. Nanophotonics, 2018, 7, 1959-1969.	6.0	41
5	Layer-controlled synthesis of wafer-scale MoSe <sub>2</sub> nanosheets for photodetector arrays. Journal of Materials Science, 2018, 53, 8436-8444.	3.7	38
6	PMN-PT/PVDF Nanocomposite for High Output Nanogenerator Applications. Nanomaterials, 2016, 6, 67.	4.1	34
7	The Characterization of Surface Acoustic Wave Devices Based on AlN-Metal Structures. Sensors, 2016, 16, 526.	3.8	34
8	AlN-based surface acoustic wave resonators for temperature sensing applications. Materials Express, 2015, 5, 367-370.	0.5	29
9	AlN-based surface acoustic wave resonators on platinum bottom electrodes for high-temperature sensing applications. Rare Metals, 2016, 35, 408-411.	7.1	26
10	Characterization of Molybdenum Oxide Thin Films Grown by Atomic Layer Deposition. Journal of Electronic Materials, 2018, 47, 6709-6715.	2.2	25
11	High performance photodetectors constructed on atomically thin few-layer MoSe <sub>2</sub> synthesized using atomic layer deposition and a chemical vapor deposition chamber. Journal of Alloys and Compounds, 2019, 785, 951-957.	5.5	21
12	Effects of AlN Coating Layer on High Temperature Characteristics of Langasite SAW Sensors. Sensors, 2016, 16, 1436.	3.8	20
13	Growth characteristics and device properties of MOD derived $\hat{\Gamma}^2$ -Ga <sub>2</sub> O <sub>3</sub> films. Journal of Materials Science: Materials in Electronics, 2014, 25, 3629-3632.	2.2	18
14	Improvement of High-Temperature Stability of Al <sub>2</sub> O <sub>3</sub> /Pt/ZnO/Al <sub>2</sub> O <sub>3</sub> Film Electrode for SAW Devices by Using Al <sub>2</sub> O <sub>3</sub> Barrier Layer. Materials, 2017, 10, 1377.	2.9	17
15	The optical properties of alumina films prepared by electron beam evaporation at oblique incidence. Materials Letters, 2013, 101, 1-4.	2.6	14
16	Novel AlN/Pt/ZnO Electrode for High Temperature SAW Sensors. Materials, 2017, 10, 69.	2.9	14
17	AlN film SAW resonator integrated with metal structure. Electronics Letters, 2015, 51, 379-380.	1.0	11
18	Characterization and performance of graphene/PbSe thin film heterojunction. Rare Metals, 2021, 40, 219-224.	7.1	11

#	ARTICLE	IF	CITATIONS
19	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
20	Photoelectric properties of $\hat{I}^2$ -Ga <sub>2</sub> O <sub>3</sub> thin films annealed at different conditions. <i>Rare Metals</i> , 2022, 41, 1375-1379.	7.1	9
21	Determination of the Band Alignment of a $\hat{I}^2$ -GZO/ $\hat{I}^2$ -GMO Heterojunction for High $\hat{I}^2$ -Electron Mobility Transistor Application. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1700251.	2.4	7
22	Surfactant-Assisted Hydrothermal Synthesis of PMN-PT Nanorods. <i>Nanoscale Research Letters</i> , 2016, 11, 49.	5.7	6
23	Amorphous InGaMgO Ultraviolet Photo-TFT with Ultrahigh Photosensitivity and Extremely Large Responsivity. <i>Materials</i> , 2017, 10, 168.	2.9	6
24	Dilute-selenium alloying: A possible perspective for achieving p-type conductivity of $\hat{I}^2$ -gallium oxide. <i>Journal of Alloys and Compounds</i> , 2022, 891, 161969.	5.5	6
25	Polymer assisted thick single-layer YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\hat{I}</math></sub> films prepared with modified TFA-MOD method. <i>Rare Metals</i> , 2014, 33, 594-597.	7.1	5
26	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
27	Comparative study on the doping effect of 3d elements in Bi <sub>1.5</sub> Pb <sub>0.2</sub> Sr <sub>2</sub> Ca <sub>2</sub> Cu <sub>2.8</sub> MO <sub>2.0</sub> y (M=Sc, Ti, V). <i>Tj ETQq</i> 1.1 0.7843 14 rgBT 0.5	0.5	4
28	Tailoring the Band Alignment of Ga <sub>x</sub> Zn <sub>1-x</sub> O/InGaZnO Heterojunction for Modulation-Doped Transistor Applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800332.	1.8	4
29	Dielectric thin films for GaN-based high-electron-mobility transistors. <i>Rare Metals</i> , 2015, 34, 371-380.	7.1	3
30	Nano-structured optical hetero-coatings for ultraviolet protection. <i>Materials Letters</i> , 2015, 152, 290-292.	2.6	3
31	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
32	Two-dimensional MoSe <sub>2</sub> /graphene heterostructure thin film with wafer-scale continuity via van der Waals epitaxy. <i>Chemical Physics Letters</i> , 2020, 755, 137762.	2.6	3
33	Fabrication of Topological Insulator Bi <sub>2</sub> Se <sub>3</sub> / $\hat{I}$ PbSe Heterojunction Photodetector for Infrared Detection. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100406.	2.4	3
34	van der Waals growth of PbSe thin films on graphene and Bi <sub>2</sub> Se <sub>3</sub> . <i>Vacuum</i> , 2022, 201, 111043.	3.5	3
35	Band alignment and interfacial chemical structure of the HfLaO/InGaZnO <sub>4</sub> heterojunction investigated by x-ray photoelectron spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 145106.	2.8	2
36	Investigation on band alignment of Bi <sub>2</sub> Se <sub>3</sub> / $\hat{I}$ PbSe heterojunction. <i>Applied Physics Letters</i> , 2021, 118, 162101.	3.3	2

#	ARTICLE	IF	CITATIONS
37	RESIDUAL STRESSES IN OBLIQUE INCIDENCE DEPOSITED ALUMINA THIN FILM. Surface Review and Letters, 2014, 21, 1450024.	1.1	1
38	Electrical performance of alumina films made in EB evaporation. Modern Physics Letters B, 2016, 30, 1650260.	1.9	1
39	Pyrochlore oxide Y <sub>2</sub> Hf <sub>2</sub> O <sub>7</sub> thin films for solar-blind UV detectors. Optical Materials, 2020, 105, 109837.	3.6	1
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