## Wei Ren

## List of Publications by Year in descending order

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39 518 11 21 papers citations h-index g-index

40 40 40 445
all docs docs citations times ranked citing authors

#	Article	IF	CITATIONS
1	High Curie temperature bismuth-based piezo-/ferroelectric single crystals of complex perovskite structure: recent progress and perspectives. CrystEngComm, 2022, 24, 220-230.	2.6	13
2	Selfâ€Assembled Epitaxial Ferroelectric Oxide Nanospring with Superâ€Scalability. Advanced Materials, 2022, 34, e2108419.	21.0	11
3	Single-Beam Acoustic Tweezer Prepared by Lead-Free KNN-Based Textured Ceramics. Micromachines, 2022, 13, 175.	2.9	4
4	Deep Learning-Based Classification of Cancer Cell in Leptomeningeal Metastasis on Cytomorphologic Features of Cerebrospinal Fluid. Frontiers in Oncology, 2022, 12, 821594.	2.8	4
5	Large-Area and Clean Graphene Transfer on Gold-Nanopyramid-Structured Substrates: Implications for Surface-Enhanced Raman Scattering Detection. ACS Applied Nano Materials, 2022, 5, 3878-3888.	5.0	2
6	Selfâ€Assembled Epitaxial Ferroelectric Oxide Nanospring with Superâ€Scalability (Adv. Mater. 13/2022). Advanced Materials, 2022, 34, .	21.0	0
7	An overview of MEMS S&A device and its application in the micro-detonated system. International Journal of Modern Physics B, 2022, 36, .	2.0	1
8	Giant strain responses and relaxor characteristics in lead-free (Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> –BaZrO <sub>3</sub> ferroelectric thin films. Journal of Materials Chemistry C, 2022, 10, 7449-7459.	5 <b>.</b> 5	8
9	Design, Fabrication, and Characterization of a Laser-Controlled Explosion-Initiating Device with Integrated Safe-and-Arm, EMP-Resistant, and Fast-Acting Technology Based on Photovoltaic Power Converter. Micromachines, 2022, 13, 728.	2.9	1
10	Highly heterogeneous epitaxy of flexoelectric BaTiO3-δmembrane on Ge. Nature Communications, 2022, 13, .	12.8	22
11	Design of a Double-Layer Electrothermal MEMS Safety and Arming Device with a Bistable Mechanism. Micromachines, 2022, 13, 1076.	2.9	2
12	Magnetoelectric devices based on magnetoelectric bulk composites. Journal of Materials Chemistry C, 2021, 9, 5594-5614.	5 <b>.</b> 5	26
13	Design and Fabrication of Bulk Micromachined 4H-SiC Piezoresistive Pressure Chips Based on Femtosecond Laser Technology. Micromachines, 2021, 12, 56.	2.9	15
14	Design and Manufacturing of a High-Sensitivity Cutting Force Sensor Based on AlSiCO Ceramic. Micromachines, 2021, 12, 63.	2.9	6
15	Evolution of mesoscopic domain structure and macroscopic properties in lead-free Bi0.5Na0.5TiO3-BaTiO3 ferroelectric ceramics. Journal of Applied Physics, 2021, 129, .	2.5	23
16	Multiple structural components and their competition in the intermediate state of antiferroelectric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"&gt;<mml:mrow><mml:mi>Pb</mml:mi><mml:mo>(. Physical Review B,</mml:mo></mml:mrow></mml:math 	10> <b>3.£</b> 1ml:r	ni> <b>Z</b> r
17	2021, 103, .  The development of an on-chip microinitiator with a built-in safety-and-arming device. Review of Scientific Instruments, 2021, 92, 025007.	1.3	7
18	Ferroelastic domain hierarchy in the intermediate state of PbZr0.98Ti0.02O3 single crystal. APL Materials, 2021, 9, .	5.1	9

#	Article	IF	Citations
19	Phase Change Random Access Memory for Neuroâ€Inspired Computing. Advanced Electronic Materials, 2021, 7, 2001241.	5.1	29
20	Enhanced Anti-Corrosion Performances of Epoxy Resin Using the Addition of Sodium Dodecylbenzene Sulfonate-Modified Graphene. Coatings, 2021, 11, 655.	2.6	4
21	Impact of the channel length on molybdenum disulfide field effect transistors with hafnia-based high- <i>k</i> dielectric gate. AIP Advances, 2021, 11, .	1.3	5
22	Hybrid System Combining Two-Dimensional Materials and Ferroelectrics and Its Application in Photodetection. ACS Nano, 2021, 15, 10982-11013.	14.6	52
23	High-Sensitivity Enzymatic Glucose Sensor Based on ZnO Urchin-like Nanostructure Modified with Fe3O4 Magnetic Particles. Micromachines, 2021, 12, 977.	2.9	8
24	Detection of K562 Leukemia Cells in Different States Using a Graphene-SERS Platform. ACS Applied Nano Materials, 2021, 4, 8972-8978.	5.0	9
25	Oxygen vacancy induced phase and conductivity transition of epitaxial BaTiO3â°î films directly grown on Ge (001) without surface passivation. Journal of Applied Physics, 2021, 129, 045302.	2.5	1
26	Establishment and Verification of Neural Network for Rapid and Accurate Cytological Examination of Four Types of Cerebrospinal Fluid Cells. Frontiers in Medicine, 2021, 8, 749146.	2.6	0
27	Toward a Reliable Synaptic Simulation Using Al-Doped HfO <sub>2</sub> RRAM. ACS Applied Materials & amp; Interfaces, 2020, 12, 10648-10656.	8.0	80
28	Crucial Impact of Hydrophilicity on the Self-Assembled 2D Colloidal Crystals Using Langmuir–Blodgett Method. Langmuir, 2020, 36, 10061-10068.	3.5	15
29	Periodic Wrinkleâ€Patterned Singleâ€Crystalline Ferroelectric Oxide Membranes with Enhanced Piezoelectricity. Advanced Materials, 2020, 32, e2004477.	21.0	47
30	Significant Improvement of Anticorrosion Properties of Zinc-Containing Coating Using Sodium Polystyrene Sulfonate Noncovalent Modified Graphene Dispersions. Coatings, 2020, 10, 1150.	2.6	6
31	Toward van der Waals epitaxy of transferable ferroelectric barium titanate films <i>via</i> a graphene monolayer. Journal of Materials Chemistry C, 2020, 8, 3445-3451.	5.5	9
32	Velocity-amplified monostable dual-charged electret dome energy harvester using low-speed finger tapping. Applied Physics Letters, 2020, $116$ , .	3.3	10
33	Flexible Ferroelectrics: Periodic Wrinkleâ€Patterned Singleâ€Crystalline Ferroelectric Oxide Membranes with Enhanced Piezoelectricity (Adv. Mater. 50/2020). Advanced Materials, 2020, 32, 2070377. Advanced Coherent X-ray Diffraction and Electron Microscopy of Individual < mm: math	21.0	0
34	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"> <mml:mrow><mml:mi>In</mml:mi><mml:mi mathvariant="normal">P</mml:mi></mml:mrow> Nanocrystals on <mml:math display="inline" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Si</mml:mi></mml:math> Nanotips for III-V-on- <mml:math< td=""><td>3.8</td><td>2</td></mml:math<>	3.8	2
35	overflow="scroll"> <mml:mi>Si</mml:mi> Nanotips for Ill-V-on-		

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#	Article	IF	CITATIONS
37	Effects of MnO <sub>2</sub> addition on the electrical properties of lead-free textured potassium sodium niobate-based ceramics. Ferroelectrics, 2019, 553, 51-59.	0.6	1
38	Effect of heat treatment on thermoelectric properties of tungsten-rhenium thin-film thermocouples by RF magnetron sputtering. AIP Advances, 2018, 8, 125113.	1.3	5
39	Research on MEMS multi-point exploding metal foil synchronous array. Modern Physics Letters B, 0, , 2140018.	1.9	1