

Guozhen Liu

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

208
citations

1163117

8
h-index

1058476

14
g-index

29
all docs

29
docs citations

29
times ranked

335
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical property modulation of Au/Ba _{0.6} Sr _{0.4} TiO ₃ /La _{0.7} Sr _{0.3} MnO ₃ structure by continuous composition spread Mn doping. <i>Ceramics International</i> , 2022, , .	4.8	0
2	Bias-tunable persistent photoconductivity for photoelectric memory in van der Waals heterojunctions of black phosphorus/2D electron gas on SrTiO ₃ . <i>Applied Physics Letters</i> , 2022, 120, 061107.	3.3	1
3	Giant bipolar unidirectional photomagnetoconductance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	4
4	WSe ₂ /2D electron gas heterojunction on KTaO ₃ for room-temperature giant photoconductivity. <i>Ceramics International</i> , 2021, 47, 7425-7429.	4.8	8
5	Coexistence of Photoelectric Conversion and Storage in van der Waals Heterojunctions. <i>Physical Review Letters</i> , 2021, 127, 217401.	7.8	13
6	Room temperature large photoresponse in p-n heterojunction composed of WSe ₂ and 2D electron gas at LaAlO ₃ /KTaO ₃ interface. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	2
7	Rewritable Optical Memory Based on Sign Switching of Magnetoconductance. <i>Advanced Electronic Materials</i> , 2020, 6, 1900701.	5.1	3
8	A comparison study of electrical and photoelectrical properties of electron gases at (1×10 ¹⁰), (1×10 ¹⁰) and (1×10 ¹¹) LaAlO ₃ /SrTiO ₃ interfaces. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 095303.	2.8	3
9	Time-dependent resistance of quasi-two-dimensional electron gas on KTaO ₃ . <i>Applied Physics Letters</i> , 2020, 117, .	3.3	3
10	Origin of unexpected lattice expansion and ferromagnetism in epitaxial EuTiO ₃ thin films. <i>Ceramics International</i> , 2020, 46, 19990-19995.	4.8	9
11	Excellent rectifying characteristics and large photoresponse in lateral heterojunction composed of YBa ₂ Cu ₃ O _{7-δ} and quasi-two-dimensional electron gas at SrTiO ₃ surface. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 405304.	2.8	1
12	Fluorination-enhanced photoconductive effect in a wide band gap Ca ₃ Ti ₂ O _{7-x} F _x thin films. <i>Materials Research Express</i> , 2020, 7, 126402.	1.6	2
13	Oxygen-vacancy-induced atomic and electronic reconstructions in magnetic Sr(Ti _{0.875} Fe _{0.125})O _{3-δ} thin films. <i>Materials Research Express</i> , 2020, 7, 076105.	1.6	1
14	Controllable conduction and hidden phase transitions revealed via vertical strain. <i>Applied Physics Letters</i> , 2019, 114, 252901.	3.3	5
15	Magnetoconductance and photoelectrical properties of electron gases at SrTiO ₃ (1×10 ¹⁰) surface. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 375303.	2.8	3
16	A universal method to fabricate p-n or Schottky heterojunctions based on two-dimensional electron gas. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	12
17	Negative photoconductivity under visible light illumination in LaAlO ₃ /SrTiO ₃ heterostructures. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 095302.	2.8	10
18	Electric-field-induced photoconductivity and resistance switching in Fe-doped amorphous carbon/PMN-PT heterostructures. <i>Materials Research Express</i> , 2019, 6, 015203.	1.6	0

#	ARTICLE	IF	CITATIONS
19	Oxygen vacancies modulated photoelectrical properties in LaAlO ₃ /SrTiO ₃ interface. Materials Research Express, 2018, 5, 046308.	1.6	5
20	Growth, microstructure and transport properties of ultrathin epitaxial La _{0.5} Ca _{0.5} MnO ₃ films prepared by laser molecular beam epitaxy. Vacuum, 2018, 148, 117-123.	3.5	8
21	Constructing oxide interfaces and heterostructures by atomic layer-by-layer laser molecular beam epitaxy. Npj Quantum Materials, 2017, 2, .	5.2	34
22	Epitaxial strain and its relaxation at the LaAlO ₃ /SrTiO ₃ interface. Journal of Applied Physics, 2016, 120, 085302.	2.5	11
23	EFFECTS OF ELECTRODE RESISTANCE ON THE DIELECTRIC BEHAVIORS OF Au/BaxSr _{1-x} TiO ₃ /La _{1.1} Sr _{0.9} NiO ₄ CAPACITORS. Surface Review and Letters, 2016, 23, 1650028.	1.1	1
24	Improved electrical and magnetic transport properties of La _{0.8} Ba _{0.2} MnO ₃ thin films by oxygen annealing. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	4
25	Microstructural and dielectric properties of Ba _{0.6} Sr _{0.4} Ti _{1-x} Zr _x O ₃ based combinatorial thin film capacitors library. Journal of Applied Physics, 2010, 108, 114108.	2.5	16
26	Oxygen pressure dependent electroresistance in La _{0.9} Sr _{0.1} MnO ₃ thin films grown by laser molecular beam epitaxy. Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 232-236.	0.2	3
27	Fabrication of atomically smooth SrRuO ₃ thin films by laser molecular beam epitaxy. Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 745-749.	0.2	2
28	Photovoltaic effects and its oxygen content dependence in BaTiO ₃ /Si heterojunctions. Applied Physics Letters, 2008, 92, .	3.3	42
29	Mixed Dimensional Te Nanowire/Te Nanosheet Heterojunctions with 2D Electron Gas on SrTiO ₃ for Diode Applications. ACS Applied Nano Materials, 0, , .	5.0	2