

Wenka Zhu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9246381/publications.pdf>

Version: 2024-02-01

30
papers

600
citations

567281

15
h-index

610901

24
g-index

30
all docs

30
docs citations

30
times ranked

1056
citing authors

#	ARTICLE	IF	CITATIONS
1	Materials and possible mechanisms of extremely large magnetoresistance: a review. Journal of Physics Condensed Matter, 2022, 34, 113001.	1.8	15
2	Interface effects of Schottky devices built from MoS ₂ and high work function metals. Journal of Physics Condensed Matter, 2022, 34, 165001.	1.8	6
3	Ultrasensitive, Ultrafast, and Gate-Tunable Two-Dimensional Photodetectors in Ternary Rhombohedral ZnIn ₂ S ₄ for Optical Neural Networks. ACS Applied Materials & Interfaces, 2022, 14, 12571-12582.	8.0	18
4	Broadband photoresponse arising from photo-bolometric effect in quasi-one-dimensional Ta ₂ Ni ₃ Se ₈ . Journal of Physics Condensed Matter, 2022, 34, 255303.	1.8	3
5	Enhanced magnetism and persistent insulating state in Mn doped Sr ₂ IrO ₄ . Journal of Physics Condensed Matter, 2022, 34, 235602.	1.8	1
6	Enhanced optoelectronic performance and photogating effect in quasi-one-dimensional BiSeI wires. Applied Physics Letters, 2022, 120, .	3.3	6
7	Wide-spectrum photodetector constructed on a centimeter-scale flexible SnSe ₂ film using a new one-step strategy. Journal of Physics Condensed Matter, 2021, 33, 395001.	1.8	2
8	Field-induced tricritical phenomenon and multiple phases in DySb. Physical Review B, 2020, 102, .	3.2	11
9	Air€Stable Wide€Bandgap 2D Semiconductor ZnIn ₂ S ₄ . Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000085.	2.4	12
10	Observation of charge density wave transition in TaSe ₃ mesowires. Applied Physics Letters, 2019, 115, .	3.3	21
11	Frustration-induced non-Curie-Weiss paramagnetism in $\text{La}_{3/2}\text{O}_{11}$: A fractional valence state iridate. Physical Review B, 2019, 100, .	3.2	7
12	Origin of planar Hall effect in type-II Weyl semimetal MoTe ₂ . AIP Advances, 2019, 9, .	1.3	41
13	Decreased Energy Gap and Enhanced Conductivity in Zn-Doped Sr ₂ IrO ₄ . Journal of Superconductivity and Novel Magnetism, 2019, 32, 1583-1587.	1.8	3
14	Reversal and non-reversal ferroelectric polarizations in a Y-type hexaferrite. Journal of Materials Chemistry C, 2019, 7, 340-345.	5.5	14
15	Current jetting distorted planar Hall effect in a Weyl semimetal with ultrahigh mobility. Physical Review Materials, 2019, 3, .	2.4	42
16	Topological nature of the node-arc semimetal PtSn ₄ probed by de Haas-van Alphen quantum oscillations. Journal of Physics Condensed Matter, 2018, 30, 155701.	1.8	9
17	Topological semimetal state and field-induced Fermi surface reconstruction in the antiferromagnetic monopnictide NdSb. Physical Review B, 2018, 97, .	3.2	37
18	Extreme magnetoresistance and Shubnikov-de Haas oscillations in ferromagnetic DySb. APL Materials, 2018, 6, .	5.1	27

#	ARTICLE	IF	CITATIONS
19	SmPO ₄ -coated Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ as a cathode material with enhanced cycling stability for lithium ion batteries. <i>Ceramics International</i> , 2017, 43, 5267-5273.	4.8	26
20	A Comparison Study of the Effects of Ba and La Doping in Sr ₂ IrO ₄ : Ir-O-Ir Bond Angle and Carrier Concentration. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 3493-3496.	1.8	5
21	Epitaxial thin films of pyrochlore iridate Bi _{2-x} Ir _{2-y} O _{7-δ} : structure, defects and transport properties. <i>Scientific Reports</i> , 2017, 7, 7740.	3.3	29
22	Robust pinning of magnetic moments in pyrochlore iridates. <i>Physical Review B</i> , 2017, 96, .	3.2	21
23	Nonzero electric polarization and four magnetoelectric states at zero magnetic field in Cr-doped Y-type hexaferrite. <i>Applied Physics Letters</i> , 2017, 110, 262901.	3.3	11
24	De Hass-van Alphen and magnetoresistance reveal predominantly single-band transport behavior in PdTe ₂ . <i>Scientific Reports</i> , 2016, 6, 31554.	3.3	34
25	Enhanced electrical conductivity and diluted Ir ⁴⁺ spin orders in electron doped iridates Sr _{2-x} Ga _x IrO ₄ . <i>Applied Physics Letters</i> , 2016, 109, .	3.3	19
26	Strong ferromagnetism induced by canted antiferromagnetic order in double perovskite iridates $\text{Sr}_{2-x}\text{Ga}_x\text{IrO}_4$. <i>Applied Physics Letters</i> , 2016, 109, . http://www.w3.org/1998/Math/MathML <mml:mo>(</mml:mo> <mml:mrow> <mml:msub> <mml:mi>1</mml:mi> </mml:msub> <mml:mi>2</mml:mi> </mml:mrow> </mml:math> <mml:msub> <mml:mi>2</mml:mi> </mml:msub> <mml:msub> <mml:mi>Zn</mml:mi> </mml:msub> <mml:mn>6</mml:mn> </mml:msub> </mml:mrow> . <i>Physical Review B</i> , 2015-9, .		
27	$\text{Y}_2\text{Ir}_2\text{O}_7$. <i>Physical Review B</i> , 2014, 90, .		69
28	Electrically induced decrease of magnetization in Ca ₃ Mn ₂ O ₇ . <i>Applied Physics Letters</i> , 2012, 101, .	3.3	28
29	Anisotropy and extremely high coercivity in weak ferromagnetic LuFeO ₃ . <i>Applied Physics Letters</i> , 2012, 100, .	3.3	36
30	Emerging Superconductivity and Topological States in Bismuth Chalcogenides. , 0, , .		0