

# 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	Enhanced weak ferromagnetism and conductivity in hole-doped pyrochlore iridate $\text{YIr}_2\text{O}_7$ . Physical Review B, 2015, 91, .	3.2	69
2	Strong ferromagnetism induced by canted antiferromagnetic order in double perovskite iridates $\text{Sr}_2\text{IrO}_7$ . Physical Review B, 2015, 91, .	3.2	69
3	Current jetting distorted planar Hall effect in a Weyl semimetal with ultrahigh mobility. Physical Review Materials, 2019, 3, .	2.4	42
4	Origin of planar Hall effect in type-II Weyl semimetal $\text{MoTe}_2$ . AIP Advances, 2019, 9, .	1.3	41
5	Topological semimetal state and field-induced Fermi surface reconstruction in the antiferromagnetic mononictide $\text{NdSb}$ . Physical Review B, 2018, 97, .	3.2	37
6	Anisotropy and extremely high coercivity in weak ferromagnetic $\text{LuFeO}_3$ . Applied Physics Letters, 2012, 100, .	3.3	36
7	De Hass-van Alphen and magnetoresistance reveal predominantly single-band transport behavior in $\text{PdTe}_2$ . Scientific Reports, 2016, 6, 31554.	3.3	34
8	Epitaxial thin films of pyrochlore iridate $\text{Bi}_2\text{O}_7$ : structure, defects and transport properties. Scientific Reports, 2017, 7, 7740.	3.3	29
9	Electrically induced decrease of magnetization in $\text{Ca}_3\text{Mn}_2\text{O}_7$ . Applied Physics Letters, 2012, 101, .	3.3	28
10	Extreme magnetoresistance and Shubnikov-de Haas oscillations in ferromagnetic $\text{DySb}$ . APL Materials, 2018, 6, .	5.1	27
11	$\text{SmPO}_4$ -coated $\text{Li}_{1.2}\text{Mn}_{0.54}\text{Ni}_{0.13}\text{Co}_{0.13}\text{O}_2$ as a cathode material with enhanced cycling stability for lithium ion batteries. Ceramics International, 2017, 43, 5267-5273.	4.8	26
12	Robust pinning of magnetic moments in pyrochlore iridates. Physical Review B, 2017, 96, .	3.2	21
13	Observation of charge density wave transition in $\text{TaSe}_3$ mesowires. Applied Physics Letters, 2019, 115, .	3.3	21
14	Enhanced electrical conductivity and diluted $\text{Ir}^{4+}$ spin orders in electron doped iridates $\text{Sr}_2\text{IrGaIrO}_4$ . Applied Physics Letters, 2016, 109, .	3.3	19
15	Ultrasensitive, Ultrafast, and Gate-Tunable Two-Dimensional Photodetectors in Ternary Rhombohedral $\text{ZnIn}_2\text{S}_4$ for Optical Neural Networks. ACS Applied Materials & Interfaces, 2022, 14, 12571-12582.	8.0	18
16	Materials and possible mechanisms of extremely large magnetoresistance: a review. Journal of Physics Condensed Matter, 2022, 34, 113001.	1.8	15
17	Reversal and non-reversal ferroelectric polarizations in a Y-type hexaferrite. Journal of Materials Chemistry C, 2019, 7, 340-345.	5.5	14
18	Airâ€Stable Wideâ€Bandgap 2D Semiconductor $\text{ZnIn}_2\text{S}_4$ . Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000085.	2.4	12

#	ARTICLE	IF	CITATIONS
19	Nonzero electric polarization and four magnetoelectric states at zero magnetic field in Cr-doped Y-type hexaferrite. Applied Physics Letters, 2017, 110, 262901.	3.3	11
20	Field-induced tricritical phenomenon and multiple phases in DySb. Physical Review B, 2020, 102, .	3.2	11
21	Topological nature of the node-arc semimetal $\text{PtSn}_4$ probed by de Haas-van Alphen quantum oscillations. Journal of Physics Condensed Matter, 2018, 30, 155701.	1.8	9
22	Frustration-induced non-Curie-Weiss paramagnetism in $\text{La}_{1-x}\text{O}_x\text{Ir}_{1-x}\text{O}_3$ : A fractional valence state iridate. Physical Review B, 2019, 100, .	3.2	7
23	Interface effects of Schottky devices built from $\text{MoS}_2$ and high work function metals. Journal of Physics Condensed Matter, 2022, 34, 165001.	1.8	6
24	Enhanced optoelectronic performance and photogating effect in quasi-one-dimensional BiSeI wires. Applied Physics Letters, 2022, 120, .	3.3	6
25	A Comparison Study of the Effects of Ba and La Doping in $\text{Sr}_2\text{IrO}_4$ : Ir-O-Ir Bond Angle and Carrier Concentration. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3493-3496.	1.8	5
26	Decreased Energy Gap and Enhanced Conductivity in Zn-Doped $\text{Sr}_2\text{IrO}_4$ . Journal of Superconductivity and Novel Magnetism, 2019, 32, 1583-1587.	1.8	3
27	Broadband photoresponse arising from photo-bolometric effect in quasi-one-dimensional $\text{Ta}_2\text{Ni}_3\text{Se}_8$ . Journal of Physics Condensed Matter, 2022, 34, 255303.	1.8	3
28	Wide-spectrum photodetector constructed on a centimeter-scale flexible $\text{SnSe}_2$ film using a new one-step strategy. Journal of Physics Condensed Matter, 2021, 33, 395001.	1.8	2
29	Enhanced magnetism and persistent insulating state in Mn doped $\text{Sr}_2\text{IrO}_4$ . Journal of Physics Condensed Matter, 2022, 34, 235602.	1.8	1
30	Emerging Superconductivity and Topological States in Bismuth Chalcogenides. , 0, , .		0