

# Hai-Tian Zhang

## List of Publications by Year in descending order

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28  
papers

1,542  
citations

430442

18  
h-index

552369

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1970  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropic bulk rare-earth-free Mn-Al-(C) magnets prepared under high-stress and large-strain conditions. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 545, 168742.	1.0	0
2	Strong magnets with ordered structures. <i>Materials Research Letters</i> , 2022, 10, 1-5.	4.1	17
3	Fabrication and magnetic properties of anisotropic SmCo <sub>3</sub> /Fe(Co) bulk nanocomposite magnets. <i>Journal of Applied Physics</i> , 2022, 131, 043904.	1.1	0
4	Reconfigurable perovskite nickelate electronics for artificial intelligence. <i>Science</i> , 2022, 375, 533-539.	6.0	93
5	Oxygen vacancy dynamics in monoclinic metallic VO <sub>2</sub> domain structures. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	6
6	Quantum nickelate platform for future multidisciplinary research. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	5
7	Proton distribution visualization in perovskite nickelate devices utilizing nanofocused x rays. <i>Physical Review Materials</i> , 2021, 5, .	0.9	6
8	Rewritable Nanoplasmonics through Room-Temperature Phase Manipulations of Vanadium Dioxide. <i>Nano Letters</i> , 2020, 20, 7760-7766.	4.5	10
9	Perovskite neural trees. <i>Nature Communications</i> , 2020, 11, 2245.	5.8	38
10	Organismic materials for beyond von Neumann machines. <i>Applied Physics Reviews</i> , 2020, 7, .	5.5	30
11	On-Demand Nanoscale Manipulations of Correlated Oxide Phases. <i>Advanced Functional Materials</i> , 2019, 29, 1905585.	7.8	14
12	Perovskite nickelates as bio-electronic interfaces. <i>Nature Communications</i> , 2019, 10, 1651.	5.8	33
13	Beyond electrostatic modification: design and discovery of functional oxide phases via ionic-electronic doping. <i>Advances in Physics: X</i> , 2019, 4, 1523686.	1.5	31
14	Frontiers in the Growth of Complex Oxide Thin Films: Past, Present, and Future of Hybrid MBE. <i>Advanced Functional Materials</i> , 2018, 28, 1702772.	7.8	78
15	Engineering Bulk, Layered, Multicomponent Nanostructures with High Energy Density. <i>Small</i> , 2018, 14, e1800619.	5.2	91
16	Novel Bimorphological Anisotropic Bulk Nanocomposite Materials with High Energy Products. <i>Advanced Materials</i> , 2017, 29, 1606430.	11.1	189
17	Opportunities in vanadium-based strongly correlated electron systems. <i>MRS Communications</i> , 2017, 7, 27-52.	0.8	77
18	Controllably Manipulating Three-Dimensional Hybrid Nanostructures for Bulk Nanocomposites with Large Energy Products. <i>Nano Letters</i> , 2017, 17, 2985-2993.	4.5	176

#	ARTICLE	IF	CITATIONS
19	High-Quality LaVO <sub>3</sub> Films as Solar Energy Conversion Material. ACS Applied Materials & Interfaces, 2017, 9, 12556-12562.	4.0	26
20	Mapping growth windows in quaternary perovskite oxide systems by hybrid molecular beam epitaxy. Applied Physics Letters, 2016, 109, .	1.5	22
21	Imprinting of Local Metallic States into VO <sub>2</sub> with Ultraviolet Light. Advanced Functional Materials, 2016, 26, 6612-6618.	7.8	43
22	Photoluminescence of monolayer transition metal dichalcogenides integrated with VO <sub>2</sub> . Journal of Physics Condensed Matter, 2016, 28, 504001.	0.7	10
23	Correlated metals as transparent conductors. Nature Materials, 2016, 15, 204-210.	13.3	291
24	Accessing a growth window for SrVO <sub>3</sub> thin films. Applied Physics Letters, 2015, 107, .	1.5	48
25	Phase stabilization of VO <sub>2</sub> thin films in high vacuum. Journal of Applied Physics, 2015, 118, .	1.1	14
26	Self-regulated growth of LaVO <sub>3</sub> thin films by hybrid molecular beam epitaxy. Applied Physics Letters, 2015, 106, .	1.5	42
27	Wafer-scale growth of VO <sub>2</sub> thin films using a combinatorial approach. Nature Communications, 2015, 6, 8475.	5.8	117
28	Grain-size-dependent martensitic transformation in bulk nanocrystalline TiNi under tensile deformation. Journal of Alloys and Compounds, 2012, 544, 19-23.	2.8	35