Hai-Tian Zhang

List of Publications by Year
in descending order

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28	1,542	430442 18	552369 26
papers	citations	h-index	g-index

28	28	28	1970
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Correlated metals as transparent conductors. Nature Materials, 2016, 15, 204-210.	13.3	291
2	Novel Bimorphological Anisotropic Bulk Nanocomposite Materials with High Energy Products. Advanced Materials, 2017, 29, 1606430.	11.1	189
3	Controllably Manipulating Three-Dimensional Hybrid Nanostructures for Bulk Nanocomposites with Large Energy Products. Nano Letters, 2017, 17, 2985-2993.	4.5	176
4	Wafer-scale growth of VO2 thin films using a combinatorial approach. Nature Communications, 2015, 6, 8475.	5.8	117
5	Reconfigurable perovskite nickelate electronics for artificial intelligence. Science, 2022, 375, 533-539.	6.0	93
6	Engineering Bulk, Layered, Multicomponent Nanostructures with High Energy Density. Small, 2018, 14, e1800619.	5.2	91
7	Frontiers in the Growth of Complex Oxide Thin Films: Past, Present, and Future of Hybrid MBE. Advanced Functional Materials, 2018, 28, 1702772.	7.8	78
8	Opportunities in vanadium-based strongly correlated electron systems. MRS Communications, 2017, 7, 27-52.	0.8	77
9	Accessing a growth window for SrVO3 thin films. Applied Physics Letters, 2015, 107, .	1.5	48
10	Imprinting of Local Metallic States into VO₂ with Ultraviolet Light. Advanced Functional Materials, 2016, 26, 6612-6618.	7.8	43
11	Self-regulated growth of LaVO3 thin films by hybrid molecular beam epitaxy. Applied Physics Letters, 2015, 106, .	1.5	42
12	Perovskite neural trees. Nature Communications, 2020, 11, 2245.	5.8	38
13	Grain-size-dependent martensitic transformation in bulk nanocrystalline TiNi under tensile deformation. Journal of Alloys and Compounds, 2012, 544, 19-23.	2.8	35
14	Perovskite nickelates as bio-electronic interfaces. Nature Communications, 2019, 10, 1651.	5.8	33
15	Beyond electrostatic modification: design and discovery of functional oxide phases via ionic-electronic doping. Advances in Physics: X, 2019, 4, 1523686.	1.5	31
16	Organismic materials for beyond von Neumann machines. Applied Physics Reviews, 2020, 7, .	5.5	30
17	High-Quality LaVO₃ Films as Solar Energy Conversion Material. ACS Applied Materials & Interfaces, 2017, 9, 12556-12562.	4.0	26
18	Mapping growth windows in quaternary perovskite oxide systems by hybrid molecular beam epitaxy. Applied Physics Letters, 2016, 109, .	1.5	22

#	Article	IF	Citations
19	Strong magnets with ordered structures. Materials Research Letters, 2022, 10, 1-5.	4.1	17
20	Phase stabilization of VO2 thin films in high vacuum. Journal of Applied Physics, 2015, 118, .	1.1	14
21	Onâ€Demand Nanoscale Manipulations of Correlated Oxide Phases. Advanced Functional Materials, 2019, 29, 1905585.	7.8	14
22	Photoluminescence of monolayer transition metal dichalcogenides integrated with VO₂. Journal of Physics Condensed Matter, 2016, 28, 504001.	0.7	10
23	Rewritable Nanoplasmonics through Room-Temperature Phase Manipulations of Vanadium Dioxide. Nano Letters, 2020, 20, 7760-7766.	4.5	10
24	Proton distribution visualization in perovskite nickelate devices utilizing nanofocused x rays. Physical Review Materials, 2021, 5, .	0.9	6
25	Oxygen vacancy dynamics in monoclinic metallic VO2 domain structures. Applied Physics Letters, 2022, 120, .	1.5	6
26	Quantum nickelate platform for future multidisciplinary research. Journal of Applied Physics, 2022, 131, .	1.1	5
27	Anisotropic bulk rare-earth-free Mn-Al-(C) magnets prepared under high-stress and large-strain conditions. Journal of Magnetism and Magnetic Materials, 2022, 545, 168742.	1.0	0
28	Fabrication and magnetic properties of anisotropic SmCo3/Fe(Co) bulk nanocomposite magnets. Journal of Applied Physics, 2022, 131, 043904.	1.1	0