

Mingfeng Chen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1632811/mingfeng-chen-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22

papers

277

citations

9

h-index

16

g-index

27

ext. papers

407

ext. citations

9.4

avg, IF

2.78

L-index

#	Paper	IF	Citations
22	Controllable conductive readout in self-assembled, topologically confined ferroelectric domain walls. <i>Nature Nanotechnology</i> , 2018 , 13, 947-952	28.7	104
21	Ferroelectric Photodetector with High Current on/off Ratio (~10 ⁴) in Self-Assembled Topological Nanoislands. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 862-868	4	22
20	Thermal Driven Giant Spin Dynamics at Three-Dimensional Heteroepitaxial Interface in NiZnFeO/BaTiO-Pillar Nanocomposites. <i>ACS Nano</i> , 2018 , 12, 3751-3758	16.7	19
19	Electric-field control of skyrmions in multiferroic heterostructure via magnetoelectric coupling. <i>Nature Communications</i> , 2021 , 12, 322	17.4	19
18	Low voltage induced reversible magnetoelectric coupling in Fe ₃ O ₄ thin films for voltage tunable spintronic devices. <i>Materials Horizons</i> , 2018 , 5, 991-999	14.4	18
17	Interface-Induced Enhancement of Ferromagnetism in Insulating LaMnO Ultrathin Films. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44931-44937	9.5	16
16	Robust polarization switching in self-assembled BiFeO ₃ nanoislands with quad-domain structures. <i>Acta Materialia</i> , 2019 , 175, 324-330	8.4	14
15	Ferromagnetism and matrix-dependent charge transfer in strained LaMnO ₃ /LaCoO ₃ superlattices. <i>Materials Research Letters</i> , 2018 , 6, 501-507	7.4	11
14	Tailoring magnetic order via atomically stacking 3d/5d electrons to achieve high-performance spintronic devices. <i>Applied Physics Reviews</i> , 2020 , 7, 011401	17.3	10
13	Spin wave propagation in a ferrimagnetic thin film with perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , 2020 , 117, 232407	3.4	7
12	Oxygen Vacancy Dynamics at Room Temperature in Oxide Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 5107-5113	9.5	7
11	Remarkable switching of transport properties and surface exchange kinetics in epitaxial PrBaMn ₂ O ₅ films. <i>Acta Materialia</i> , 2020 , 186, 517-522	8.4	5
10	Geometry confined polar vertex domains in self-assembled BiFeO ₃ nano-islands. <i>Materials Research Letters</i> , 2019 , 7, 399-404	7.4	3
9	Self-assembly growth of a multiferroic topological nanoisland array. <i>Nanoscale</i> , 2019 , 11, 20514-20521	7.7	3
8	Physical and chemical strains co-tuned magnetic properties of double perovskite PrBaMn ₂ O ₅ epitaxial films. <i>Applied Physics Letters</i> , 2019 , 115, 081903	3.4	2
7	Effects of annealing process and the additive on the electrical properties of chemical solution deposition derived 0.65Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.35PbTiO ₃ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 16997-17002	2.1	2
6	Long decay length of magnon-polarons in BiFeO/LaSrMnO heterostructures.. <i>Nature Communications</i> , 2021 , 12, 7258	17.4	2

5	Stabilization of ferroelastic charged domain walls in self-assembled BiFeO ₃ nanoislands. <i>Journal of Applied Physics</i> , 2020 , 128, 124103	2.5	2
4	Acidic aqueous solution switching of magnetism in BiFeO ₃ /La _{1-x} Sr _x MnO ₃ heterostructures. <i>Journal of Applied Physics</i> , 2019 , 126, 075301	2.5	1
3	Ca doping effect on the magnetic and electronic transport properties in double perovskite PrBaCo ₂ O _{5+δ} films. <i>Applied Physics Letters</i> , 2017 , 111, 232406	3.4	1
2	Polarization-switching pathway determined electrical transport behaviors in rhombohedral BiFeO ₃ thin films. <i>Nanoscale</i> , 2021 , 13, 17746-17753	7.7	1
1	Annealing modulated magnetism in double-perovskite PrBaMnFeO _{5.5+δ} ferromagnetic insulator. <i>Journal of Alloys and Compounds</i> , 2021 , 886, 161311	5.7	0