

Yuefeng Nie

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

50
papers

1,618
citations

21
h-index

40
g-index

51
ext. papers

2,177
ext. citations

12
avg, IF

4.31
L-index

#	Paper	IF	Citations
50	Freestanding crystalline oxide perovskites down to the monolayer limit. <i>Nature</i> , 2019 , 570, 87-90	50.4	206
49	Exploiting dimensionality and defect mitigation to create tunable microwave dielectrics. <i>Nature</i> , 2013 , 502, 532-6	50.4	170
48	Interplay of spin-orbit interactions, dimensionality, and octahedral rotations in semimetallic SrIrO(3). <i>Physical Review Letters</i> , 2015 , 114, 016401	7.4	148
47	Atomic-scale control of competing electronic phases in ultrathin LaNiO ₃ . <i>Nature Nanotechnology</i> , 2014 , 9, 443-7	28.7	140
46	Suppression of superconductivity in FeSe films under tensile strain. <i>Applied Physics Letters</i> , 2009 , 94, 242505	3.4	89
45	Atomically precise interfaces from non-stoichiometric deposition. <i>Nature Communications</i> , 2014 , 5, 4530	7.4	86
44	Epitaxial growth of wafer-scale molybdenum disulfide semiconductor single crystals on sapphire. <i>Nature Nanotechnology</i> , 2021 , 16, 1201-1207	28.7	75
43	Real-space charge-density imaging with sub-Ångström resolution by four-dimensional electron microscopy. <i>Nature</i> , 2019 , 575, 480-484	50.4	67
42	Oxygen evolution reaction electrocatalysis on SrIrO ₃ grown using molecular beam epitaxy. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6831-6836	13	52
41	Impact of valence states on the superconductivity of iron telluride and iron selenide films with incorporated oxygen. <i>Physical Review B</i> , 2012 , 85,	3.3	38
40	Single particle tunneling spectrum of superconducting NdSrNiO thin films. <i>Nature Communications</i> , 2020 , 11, 6027	17.4	38
39	Superconductivity induced in iron telluride films by low-temperature oxygen incorporation. <i>Physical Review B</i> , 2010 , 82,	3.3	37
38	Nodeless superconducting phase arising from a strong (□)antiferromagnetic phase in the infinite-layer electron-doped Sr(1-x)La(x)CuO ₂ compound. <i>Physical Review Letters</i> , 2012 , 109, 267001	7.4	34
37	Electronic structure of ferromagnetic semiconductor CrGeTe ₃ by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2018 , 98,	3.3	34
36	Magnetic phase separation in SrCoO _x (2.5 ≤ x ≤ 3). <i>Applied Physics Letters</i> , 2011 , 99, 052503	3.4	32
35	Solution-Processed Monolithic All-Perovskite Triple-Junction Solar Cells with Efficiency Exceeding 20%. <i>ACS Energy Letters</i> , 2020 , 5, 2819-2826	20.1	30
34	Correlated vs. conventional insulating behavior in the Jeff=12 vs. 32 bands in the layered iridate Ba ₂ IrO ₄ . <i>Physical Review B</i> , 2014 , 90,	3.3	29

33	Evidence for topologically protected surface states and a superconducting phase in [Tl ₄](Tl(1-x)Sn(x))Te ₃ using photoemission, specific heat, and magnetization measurements, and density functional theory. <i>Physical Review Letters</i> , 2014 , 112, 017002	7.4	27
32	Nanostructured arrays of semiconducting octahedral molecular sieves by pulsed-laser deposition. <i>Nature Materials</i> , 2010 , 9, 54-9	27	27
31	Polarization-Dependent Raman Spectroscopy of Epitaxial TiO ₂ (B) Thin Films. <i>Chemistry of Materials</i> , 2015 , 27, 7896-7902	9.6	23
30	Chemically specific termination control of oxide interfaces via layer-by-layer mean inner potential engineering. <i>Nature Communications</i> , 2018 , 9, 2965	17.4	22
29	Giant Uniaxial Strain Ferroelectric Domain Tuning in Freestanding PbTiO ₃ Films. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1901604	4.6	21
28	Uniform nucleation and epitaxy of bilayer molybdenum disulfide on sapphire.. <i>Nature</i> , 2022 , 605, 69-75	50.4	19
27	Exploiting kinetics and thermodynamics to grow phase-pure complex oxides by molecular-beam epitaxy under continuous codeposition. <i>Physical Review Materials</i> , 2017 , 1,	3.2	16
26	Doping evolution and polar surface reconstruction of the infinite-layer cuprate Sr _{1-x} La _x CuO ₂ . <i>Physical Review B</i> , 2015 , 92,	3.3	14
25	Formation and Observation of a Quasi-Two-Dimensional dxy Electron Liquid in Epitaxially Stabilized Sr(2-x)La(x)TiO ₄ Thin Films. <i>Physical Review Letters</i> , 2015 , 115, 096405	7.4	13
24	Direct observation of high spin polarization in CoFeAl thin films. <i>Scientific Reports</i> , 2018 , 8, 8074	4.9	13
23	A tunable low-energy photon source for high-resolution angle-resolved photoemission spectroscopy. <i>Review of Scientific Instruments</i> , 2012 , 83, 113103	1.7	11
22	High-density switchable skyrmion-like polar nanodomains integrated on silicon.. <i>Nature</i> , 2022 , 603, 63-67	50.4	11
21	An efficient and reliable growth method for epitaxial complex oxide films by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2017 , 111, 011601	3.4	10
20	Engineering of octahedral rotations and electronic structure in ultrathin SrIrO ₃ films. <i>Physical Review B</i> , 2020 , 101,	3.3	9
19	Epitaxial growth and electronic structure of Ruddlesden-Popper nickelates (La _{n+1} Ni _n O _{3n+1} , n = 1-5). <i>APL Materials</i> , 2020 , 8, 091112	5.7	9
18	Physical Properties Revealed by Transport Measurements for Superconducting Nd _{0.8} Sr _{0.2} NiO ₂ Thin Films. <i>Chinese Physics Letters</i> , 2021 , 38, 047401	1.8	8
17	Mott insulator to metal transition driven by oxygen incorporation in epitaxial LaTiO ₃ films. <i>Applied Physics Letters</i> , 2019 , 115, 261604	3.4	8
16	Unsaturated magnetoconductance of epitaxial La _{0.7} Sr _{0.3} MnO ₃ thin films in pulsed magnetic fields up to 60 T. <i>AIP Advances</i> , 2017 , 7, 056404	1.5	7

15	Suppression of magnetic phase separation in epitaxial SrCoOX films. <i>Applied Physics Letters</i> , 2013 , 102, 152402	3-4	7
14	Low temperature crystal structure and large lattice discontinuity at Tc in superconducting FeTeOx films. <i>Applied Physics Letters</i> , 2013 , 103, 102604	3-4	7
13	Temperature-induced band shift in bulk InSe by angle-resolved photoemission spectroscopy. <i>AIP Advances</i> , 2018 , 8, 055123	1-5	5
12	Manipulation of Gilbert damping in ultrathin half-metallic $\text{Co}_2\text{FeAl}_{1+x}$ by composition-deficiency-compensation. <i>Applied Physics Letters</i> , 2020 , 116, 212406	3-4	4
11	Improved control of atomic layering in perovskite-related homologous series. <i>APL Materials</i> , 2021 , 9, 021118	5-7	4
10	Charge density wave and weak Kondo effect in a Dirac semimetal CeSbTe. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3-6	4
9	Synergistic Role of Eg Filling and Anion Dation Hybridization in Enhancing the Oxygen Evolution Reaction Activity in Nickelates. <i>ACS Applied Energy Materials</i> ,	6-1	3
8	Temperature-sensitive spatial distribution of defects in PdSe2 flakes. <i>Physical Review Materials</i> , 2021 , 5,	3-2	3
7	Epitaxial growth of bronze phase titanium dioxide by molecular beam epitaxy. <i>AIP Advances</i> , 2019 , 9, 035230	1-5	2
6	Giant Thermal Transport Tuning at a Metal/Ferroelectric Interface. <i>Advanced Materials</i> , 2021 , e2105778	2-4	2
5	Rewritable High-Mobility Electrons in Oxide Heterostructure of Layered Perovskite/Perovskite. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 7812-7821	9-5	2
4	Electronic and transport properties in Ruddlesden-Popper neodymium nickelates $\text{Nd}_{n+1}\text{Ni}_n\text{O}_{3n+1}$ ($n=1\text{B}$). <i>Physical Review B</i> , 2021 , 104,	3-3	1
3	Commensurate Stacking Phase Transitions in an Intercalated Transition Metal Dichalcogenide. <i>Advanced Materials</i> , 2021 , e2108550	2-4	1
2	Antiferromagnetic EMnTe : Molten-Salt-Assisted Chemical Vapor Deposition Growth and Magneto-Transport Properties. <i>Chemistry of Materials</i> , 2022 , 34, 873-880	9-6	0
1	Nanosession: Advanced Spectroscopy and Scattering123-132		