

Yuefeng Nie

List of Publications by Year in Descending Order

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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	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
49	High-density switchable skyrmion-like polar nanodomains integrated on silicon.. <i>Nature</i> , 2022 , 603, 63-67	50.4	11
48	Uniform nucleation and epitaxy of bilayer molybdenum disulfide on sapphire.. <i>Nature</i> , 2022 , 605, 69-75	50.4	19
47	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
46	Giant Thermal Transport Tuning at a Metal/Ferroelectric Interface. <i>Advanced Materials</i> , 2021 , e2105778	24	2
45	Temperature-sensitive spatial distribution of defects in PdSe_2 flakes. <i>Physical Review Materials</i> , 2021 , 5,	3.2	3
44	Physical Properties Revealed by Transport Measurements for Superconducting $\text{Nd}_{0.8}\text{Sr}_{0.2}\text{NiO}_2$ Thin Films. <i>Chinese Physics Letters</i> , 2021 , 38, 047401	1.8	8
43	Improved control of atomic layering in perovskite-related homologous series. <i>APL Materials</i> , 2021 , 9, 021118	5.7	4
42	Rewritable High-Mobility Electrons in Oxide Heterostructure of Layered Perovskite/Perovskite. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 7812-7821	9.5	2
41	Epitaxial growth of wafer-scale molybdenum disulfide semiconductor single crystals on sapphire. <i>Nature Nanotechnology</i> , 2021 , 16, 1201-1207	28.7	75
40	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
39	Commensurate Stacking Phase Transitions in an Intercalated Transition Metal Dichalcogenide. <i>Advanced Materials</i> , 2021 , e2108550	24	1
38	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
37	Giant Uniaxial Strain Ferroelectric Domain Tuning in Freestanding PbTiO_3 Films. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1901604	4.6	21
36	Engineering of octahedral rotations and electronic structure in ultrathin SrIrO_3 films. <i>Physical Review B</i> , 2020 , 101,	3.3	9
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	Epitaxial growth and electronic structure of Ruddlesden-Popper nickelates ($\text{La}_{n+1}\text{Ni}_n\text{O}_{3n+1}$, $n = 1\text{B}$). <i>APL Materials</i> , 2020 , 8, 091112	5.7	9

33	Single particle tunneling spectrum of superconducting NdSrNiO thin films. <i>Nature Communications</i> , 2020 , 11, 6027	17.4	38
32	Freestanding crystalline oxide perovskites down to the monolayer limit. <i>Nature</i> , 2019 , 570, 87-90	50.4	206
31	Epitaxial growth of bronze phase titanium dioxide by molecular beam epitaxy. <i>AIP Advances</i> , 2019 , 9, 035230	1.5	2
30	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
29	Real-space charge-density imaging with sub-ångström resolution by four-dimensional electron microscopy. <i>Nature</i> , 2019 , 575, 480-484	50.4	67
28	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
27	Electronic structure of ferromagnetic semiconductor CrGeTe ₃ by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2018 , 98,	3.3	34
26	Direct observation of high spin polarization in CoFeAl thin films. <i>Scientific Reports</i> , 2018 , 8, 8074	4.9	13
25	Temperature-induced band shift in bulk InSe by angle-resolved photoemission spectroscopy. <i>AIP Advances</i> , 2018 , 8, 055123	1.5	5
24	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
23	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
22	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
21	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
20	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
19	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
18	Polarization-Dependent Raman Spectroscopy of Epitaxial TiO ₂ (B) Thin Films. <i>Chemistry of Materials</i> , 2015 , 27, 7896-7902	9.6	23
17	Interplay of spin-orbit interactions, dimensionality, and octahedral rotations in semimetallic SrIrO ₃ . <i>Physical Review Letters</i> , 2015 , 114, 016401	7.4	148
16	Evidence for topologically protected surface states and a superconducting phase in [Ti ₄](Ti _(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

- 15 Atomically precise interfaces from non-stoichiometric deposition. *Nature Communications*, **2014**, 5, 4530-4537. 7.4 86
- 14 Correlated vs. conventional insulating behavior in the Jeff=12 vs. 32 bands in the layered iridate Ba₂IrO₄. *Physical Review B*, **2014**, 90, 080401. 3.3 29
- 13 Atomic-scale control of competing electronic phases in ultrathin LaNiO₃. *Nature Nanotechnology*, **2014**, 9, 443-7. 28.7 140
- 12 Exploiting dimensionality and defect mitigation to create tunable microwave dielectrics. *Nature*, **2013**, 502, 532-6. 50.4 170
- 11 Suppression of magnetic phase separation in epitaxial SrCoO_x films. *Applied Physics Letters*, **2013**, 102, 152402. 3.4 7
- 10 Low temperature crystal structure and large lattice discontinuity at T_c in superconducting FeTeO_x films. *Applied Physics Letters*, **2013**, 103, 102604. 3.4 7
- 9 A tunable low-energy photon source for high-resolution angle-resolved photoemission spectroscopy. *Review of Scientific Instruments*, **2012**, 83, 113103. 1.7 11
- 8 Nodeless superconducting phase arising from a strong (d_{xy})² antiferromagnetic phase in the infinite-layer electron-doped Sr(1-x)La(x)CuO₂ compound. *Physical Review Letters*, **2012**, 109, 267001. 7.4 34
- 7 Impact of valence states on the superconductivity of iron telluride and iron selenide films with incorporated oxygen. *Physical Review B*, **2012**, 85, 080401. 3.3 38
- 6 Magnetic phase separation in SrCoO_x (2.5 < x < 3). *Applied Physics Letters*, **2011**, 99, 052503. 3.4 32
- 5 Nanostructured arrays of semiconducting octahedral molecular sieves by pulsed-laser deposition. *Nature Materials*, **2010**, 9, 54-9. 27 27
- 4 Superconductivity induced in iron telluride films by low-temperature oxygen incorporation. *Physical Review B*, **2010**, 82, 080401. 3.3 37
- 3 Suppression of superconductivity in FeSe films under tensile strain. *Applied Physics Letters*, **2009**, 94, 242505. 3.4 89
- 2 Synergistic Role of Eg Filling and Anion Vacancy Hybridization in Enhancing the Oxygen Evolution Reaction Activity in Nickelates. *ACS Applied Energy Materials*, 2019, 2, 18011. 6.1 3
- 1 Nanosession: Advanced Spectroscopy and Scattering 123-132