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List of PR Articles by Year in descending order

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23,681

PR citations

6266

70

PR h-index

5205

148

g-index

422

documents

30535

doc citations

7243

74

h-index

31294

citing authors

#	ARTICLE	IF	PR CITATIONS
1	Compositional engineering of magnetic anisotropy in Cr ₂ SiGe ₂ -Te ₆ . <i>Materials Today Electronics</i> , 2024, 7, 100081.	5.2	2
2	Anisotropic Superconducting Nb ₂ CT _x MXene Processed by Atomic Exchange at the Wafer Scale. <i>Advanced Materials</i> , 2024, 36, .	24.5	13
3	Nonepitaxial Wafer-Scale Single-Crystal 2D Materials on Insulators. <i>Advanced Materials</i> , 2024, 36, .	24.5	13
4	Strain-Induced Reversible Motion of Skyrmions at Room Temperature. <i>ACS Nano</i> , 2024, 18, 761-769.	15.3	19
5	Interfacial Resonance States-Induced Negative Tunneling Magneto-Resistance in Orthogonally Magnetized CoFeB/MgO/CoFeB. <i>IEEE Transactions on Magnetics</i> , 2024, 60, 1-6.	1.4	4
6	Magnetic critical behavior of van der Waals Fe ₃ GaTe ₂ with above-room-temperature ferromagnetism. <i>APL Materials</i> , 2024, 12, .	3.6	23
7	Writing and deleting skyrmions by electron beam in van der Waals ferromagnet Fe ₃ GeTe ₂ . <i>Applied Physics Letters</i> , 2024, 124, .	3.0	2
8	Magnetic Skyrmions above Room Temperature in a van der Waals Ferromagnet Fe ₃ GaTe ₂ . <i>Advanced Materials</i> , 2024, 36, .	24.5	60
9	Field-Free Switching of Magnetization in Oxide Superlattice by Engineering the Interfacial Reconstruction. <i>Advanced Functional Materials</i> , 2024, 34, .	17.0	7
10	Temperature-dependent magnon torque in SrIrO ₃ /NiO/ferromagnetic multilayers. <i>Applied Physics Letters</i> , 2024, 124, .	3.0	7
11	Suppressing Dielectric Loss in MXene/Polymer Nanocomposites through Interfacial Interactions. <i>ACS Nano</i> , 2024, 18, 10196-10205.	15.3	35
12	Thickness-Dependent Gilbert Damping and Soft Magnetism in Metal/Co-Fe-B/Metal Sandwich Structure. <i>Nanomaterials</i> , 2024, 14, 596.	4.0	4
13	Reconfigurable spin current transmission and magnon-magnon coupling in hybrid ferrimagnetic insulators. <i>Nature Communications</i> , 2024, 15, .	13.9	15
14	Observation of Hydrostatic-Pressure-Modulated Giant Caloric Effect and Electronic Topological Transition. <i>Advanced Physics Research</i> , 2024, 3, .	2.9	1
15	On the quality of commercial chemical vapour deposited hexagonal boron nitride. <i>Nature Communications</i> , 2024, 15, .	13.9	21
16	Electrical detection of mobile skyrmions with 100% tunneling magnetoresistance in a racetrack-like device. <i>Npj Quantum Materials</i> , 2024, 9, .	6.0	22
17	Manipulation of perpendicular magnetization via magnon current with tilted polarization. <i>Matter</i> , 2024, 7, 3489-3499.	16.0	7
18	Repair Engineering of Crystal Structure in van der Waals Materials by Probe Electron Beam. <i>Nano Letters</i> , 2024, 24, 11028-11035.	8.7	2

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19	Strong magnon-magnon coupling and low dissipation rate in an all-magnetic-insulator heterostructure. <i>Physical Review Applied</i> , 2024, 22, .	3.9	8
20	Large ferroelectricity in Hf _{0.85} Ce _{0.15} O ₂ polycrystalline thin films via lattice expansion. <i>Inorganic Chemistry Frontiers</i> , 2024, 11, 7535-7544.	6.4	6
21	Single-crystal hBN Monolayers from Aligned Hexagonal Islands. <i>Nature Communications</i> , 2024, 15, .	13.9	27
22	Roadmap to neuromorphic computing with emerging technologies. <i>APL Materials</i> , 2024, 12, .	3.6	78
23	Room-Temperature Magnetic Skyrmions and Large Topological Hall Effect in Chromium Telluride Engineered by Self-Intercalation. <i>Advanced Materials</i> , 2023, 35, .	24.5	75
24	Thickness-tunable magnetic and electronic transport properties of the quasi-two-dimensional van der Waals ferromagnet CoS_2 with disordered intercalation. <i>Physical Review B</i> , 2023, 107, .	3.4	9
25	Nonlocal Spin Valves Based on Graphene/Fe ₃ GeTe ₂ van der Waals Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 9649-9655.	8.0	15
26	Molecular Bridges Link Monolayers of Hexagonal Boron Nitride during Dielectric Breakdown. <i>ACS Applied Electronic Materials</i> , 2023, 5, 1262-1276.	4.6	19
27	Nonvolatile Magnetoelectric Switching of Magnetic Tunnel Junctions with Dipole Interaction. <i>Advanced Functional Materials</i> , 2023, 33, .	17.0	12
28	Ferroelectricity in layered bismuth oxide down to 1 nanometer. <i>Science</i> , 2023, 379, 1218-1224.	36.4	88
29	Hybrid 2D CMOS microchips for memristive applications. <i>Nature</i> , 2023, 618, 57-62.	38.7	269
30	Nitrogen-Based Magneto-ionic Manipulation of Exchange Bias in CoFe/MnN Heterostructures. <i>ACS Nano</i> , 2023, 17, 6745-6753.	15.3	22
31	Large-Area Metal-Semiconductor Heterojunctions Realized via MXene-Induced Two-Dimensional Surface Polarization. <i>ACS Nano</i> , 2023, 17, 8324-8332.	15.3	27
32	Low-Power and Field-Free Perpendicular Magnetic Memory Driven by Topological Insulators. <i>Advanced Materials</i> , 2023, 35, .	24.5	41
33	Deciphering the role of A-site ions of AZrO ₃ -type dopants in (K, Na)NbO ₃ ceramics. <i>Acta Materialia</i> , 2023, 254, 118997.	8.7	20
34	Switching magnetic strip orientation using electric fields. <i>Materials Horizons</i> , 2023, 10, 3034-3043.	10.3	5
35	Proton-mediated reversible switching of metastable ferroelectric phases with low operation voltages. <i>Science Advances</i> , 2023, 9, .	11.0	13
36	Anion-induced robust ferroelectricity in sulfurized pseudo-rhombohedral epitaxial BiFeO ₃ thin films via polarization rotation. <i>Materials Horizons</i> , 2023, 10, 4389-4397.	10.3	13

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37	Robust spin torque switching of noncollinear antiferromagnet Mn ₃ Sn. APL Materials, 2023, 11, .	3.6	24
38	Controllable Skyrmionic Phase Transition between Néel Skyrmions and Bloch Skyrmionic Bubbles in van der Waals Ferromagnet Fe ₃ GeTe ₂ . Advanced Science, 2023, 10, .	12.7	26
39	Discovery of a three-proton insertion mechanism in $\hat{\Gamma}$ -molybdenum trioxide leading to enhanced charge storage capacity. Nature Communications, 2023, 14, .	13.9	50
40	Ionically driven synthesis and exchange bias in Mn ₄ N/MnN _x heterostructures. Applied Physics Letters, 2023, 123, .	3.0	4
41	Resonance-enhanced excitation and relaxation dynamics of coherent phonons in Fe _{1.14} Te. Physical Chemistry Chemical Physics, 2023, 25, 28941-28947.	2.7	1
42	High-performance van der Waals antiferroelectric CuCrP ₂ S ₆ -based memristors. Nature Communications, 2023, 14, .	13.9	12
43	High-performance van der Waals antiferroelectric CuCrP ₂ S ₆ -based memristors. Nature Communications, 2023, 14, .	13.9	52
44	A sensitive biosensor for glucose determination based on the unique catalytic chemiluminescence of sodium molybdate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 265, 120401.	4.3	12
45	High-yield Ti ₃ C ₂ T _x MXene/MoS ₂ Integrated Circuits. Advanced Materials, 2022, 34, .	24.5	43
46	Lattice Orientation Heredity in the Transformation of 2D Epitaxial Films. Advanced Materials, 2022, 34, .	24.5	14
47	Growth of 2D Materials at the Wafer Scale. Advanced Materials, 2022, 34, .	24.5	146
48	A light-induced hydrogel responsive platform to capture and selectively isolate single circulating tumor cells. Nanoscale, 2022, 14, 3504-3512.	5.0	10
49	Ultrafast and Ultralow-Power Voltage-Dominated Magnetic Logic. Advanced Intelligent Systems, 2022, 4, .	5.6	2
50	Wafer-scale single-crystal monolayer graphene grown on sapphire substrate. Nature Materials, 2022, 21, 740-747.	35.2	186
51	Magnetic Full Adder Based on Negative Differential Resistance-Enhanced Anomalous Hall Effect. IEEE Magnetics Letters, 2022, 13, 1-5.	1.1	1
52	Electrical Manipulation of Exchange Bias in an Antiferromagnet/Ferromagnet-Based Device via Spin-Orbit Torque. Advanced Functional Materials, 2022, 32, .	17.0	27
53	Production of Large-Area Nucleus-Free Single-Crystal Graphene Mesh Metamaterials with Zigzag Edges. Advanced Materials, 2022, 34, .	24.5	10
54	Unconventional Spin Pumping and Magnetic Damping in an Insulating Compensated Ferrimagnet. Advanced Materials, 2022, 34, .	24.5	23

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55	Inkjet Printing: A Cheap and Easy-to-Use Alternative to Wire Bonding for Academics. <i>Crystal Research and Technology</i> , 2022, 57, .	1.7	4
56	Integrated Memory Devices Based on 2D Materials. <i>Advanced Materials</i> , 2022, 34, .	24.5	80
57	Abnormal Hot Carrier Decay via Spin-Phonon Coupling in Intercalated van der Waals Ferromagnetic $\text{Fe}_{1/3}\text{TaS}_2$. <i>Nano Letters</i> , 2022, 22, 3849-3855.	8.7	4
58	Current-Induced Magnetization Switching Across a Nearly Room-Temperature Compensation Point in an Insulating Compensated Ferrimagnet. <i>ACS Nano</i> , 2022, 16, 8181-8189.	15.3	29
59	Synthesis of AAB-Stacked Single-Crystal Graphene/hBN/Graphene Trilayer van der Waals Heterostructures by In Situ CVD. <i>Advanced Science</i> , 2022, 9, .	12.7	22
60	Hot carrier dynamics of BiTeI with large Rashba spin splitting. <i>RSC Advances</i> , 2022, 12, 16479-16485.	4.4	1
61	Angle-dependent switching in a magnetic tunnel junction containing a synthetic antiferromagnet. <i>Applied Physics Letters</i> , 2022, 120, .	3.0	1
62	Coupling effects of the A-site ions on high-performance potassium sodium niobate ceramics. <i>Journal of Materials Science and Technology</i> , 2022, 130, 198-207.	13.6	29
63	High-Efficiency Magnon-Mediated Magnetization Switching in All-Oxide Heterostructures with Perpendicular Magnetic Anisotropy. <i>Advanced Materials</i> , 2022, 34, .	24.5	43
64	Magnetic Skyrmions with Unconventional Helicity Polarization in a Van Der Waals Ferromagnet. <i>Advanced Materials</i> , 2022, 34, .	24.5	39
65	Morphology-Control Growth of Graphene Islands by Nonlinear Carbon Supply. <i>Advanced Materials</i> , 2022, 34, .	24.5	10
66	Electrically and optically erasable non-volatile two-dimensional electron gas memory. <i>Nanoscale</i> , 2022, 14, 12339-12346.	5.0	6
67	Nb_2CT_x MXene Cathode for High-Capacity Rechargeable Aluminum Batteries with Prolonged Cycle Lifetime. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 45254-45262.	8.0	47
68	Hydroxide-based magneto-ionics: electric-field control of a reversible paramagnetic-to-ferromagnetic switch in Li-Co(OH)_2 films. <i>Journal of Materials Chemistry C</i> , 2022, 10, 17145-17153.	5.1	11
69	3D Interconnected Magnetic Nanowire Networks as Potential Integrated Multistate Memristors. <i>Nano Letters</i> , 2022, 22, 10010-10017.	8.7	19
70	Fe-based material@N-doped carbon composites as environment-friendly microwave absorbers. <i>Carbon</i> , 2021, 171, 646-657.	10.7	37
71	Evolution of cellulose acetate to monolayer graphene. <i>Carbon</i> , 2021, 174, 24-35.	10.7	25
72	Spin transport in multilayer graphene away from the charge neutrality point. <i>Carbon</i> , 2021, 172, 474-479.	10.7	5

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73	Enhanced coherent phonon excitation in Fe_3O_4 via resonance Raman effect. <i>Physical Review B</i> , 2021, 103, .	3.4	10
74	Nonreciprocal charge transport up to room temperature in bulk Rashba semiconductor In_2Te . <i>Nature Communications</i> , 2021, 12, .	13.9	79
75	Epitaxial growth of large-grain-size ferromagnetic monolayer CrI_3 for valley Zeeman splitting enhancement. <i>Nanoscale</i> , 2021, 13, 2955-2962.	5.0	7
76	Nonvolatile Magnetic Memory Combined With AND/NAND Boolean Logic Gates Based on Geometry-Controlled Magnetization Switching. <i>IEEE Magnetics Letters</i> , 2021, 12, 1-5.	1.1	1
77	Berry Phase Engineering in $\text{SrRuO}_3/\text{SrIrO}_3/\text{SrTiO}_3$ Superlattices Induced by Band Structure Reconstruction. <i>ACS Nano</i> , 2021, 15, 5086-5095.	15.3	29
78	Superconductivity and High-Pressure Performance of 2D Mo_2C Crystals. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2219-2225.	4.2	5
79	Achieving room-temperature M2-phase VO_2 nanowires for superior thermal actuation. <i>Nano Research</i> , 2021, 14, 4146-4153.	8.6	14
80	Intensified Energy Storage in High-Voltage Nanohybrid Supercapacitors via the Efficient Coupling between $\text{TiNb}_2\text{O}_7/\text{Holey-rGO}$ Nanoarchitectures and Ionic Liquid-Based Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21349-21361.	8.0	21
81	Giant Ferroelectric Resistance Switching Controlled by a Modulatory Terminal for Low-Power Neuromorphic In_2O_3 Memory Computing. <i>Advanced Materials</i> , 2021, 33, .	24.5	106
82	Optically Controlled Ferroelectric Nanodomains for Logic-in-Memory Photonic Devices With Simplified Structures. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 1992-1995.	2.7	17
83	Modulation of electronic and magnetic properties of monolayer chromium trihalides by alloy and strain engineering. <i>Journal of Applied Physics</i> , 2021, 129, 155104.	2.1	5
84	Quantifying Real-Time Sample Temperature Under the Gas Environment in the Transmission Electron Microscope Using a Novel MEMS Heater. <i>Microscopy and Microanalysis</i> , 2021, 27, 758-766.	0.4	3
85	Nonvolatile magnetic half adder combined with memory writing. <i>Applied Physics Letters</i> , 2021, 118, .	3.0	3
86	Emergence of Room Temperature Magnetotransport Anomaly in Epitaxial $\text{Pt}/\text{Fe}_4\text{N}/\text{MgO}$ Heterostructures toward Noncollinear Spintronics. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26639-26648.	8.0	6
87	Emerging van der Waals ferroelectrics: Unique properties and novel devices. <i>Applied Physics Reviews</i> , 2021, 8, .	10.4	65
88	Chiral Helimagnetism and One-Dimensional Magnetic Solitons in a Cr -Intercalated Transition Metal Dichalcogenide. <i>Advanced Materials</i> , 2021, 33, .	24.5	74
89	Modulation of Weyl semimetal state in half-Heusler GdPtBi enabled by hydrostatic pressure. <i>New Journal of Physics</i> , 2021, 23, 083041.	2.9	6
90	Strain-induced switching between noncollinear and collinear spin configuration in magnetic Mn_3Sn films. <i>Physical Review B</i> , 2021, 104, .	3.4	14

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91	Predicting Interfacial Thermal Resistance by Ensemble Learning. <i>Computation</i> , 2021, 9, 87.	1.7	3
92	Interfacial Control via Reversible Ionic Motion in Battery-Like Magnetic Tunnel Junctions. <i>Advanced Electronic Materials</i> , 2021, 7, .	4.9	4
93	Electrically Enhanced Exchange Bias via Solid-State Magneto-ionics. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38916-38922.	8.0	23
94	Integrated Terahertz Generator-Manipulators Using Epsilon-near-Zero-Hybrid Nonlinear Metasurfaces. <i>Nano Letters</i> , 2021, 21, 7699-7707.	8.7	67
95	Magnetic tunnel junction based gradiometer for detection of cracks in cement. <i>Sensors and Actuators A: Physical</i> , 2021, 331, 112966.	4.5	7
96	Ion irradiation and implantation modifications of magneto-ionically induced exchange bias in Gd/NiCoO. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 540, 168479.	2.8	14
97	Using Dipole Interaction to Achieve Nonvolatile Voltage Control of Magnetism in Multiferroic Heterostructures. <i>Advanced Materials</i> , 2021, 33, .	24.5	20
98	Magnetic memory driven by topological insulators. <i>Nature Communications</i> , 2021, 12, .	13.9	125
99	Superposition of Emergent Monopole and Antimonopole in CoTb Thin Films. <i>Physical Review Letters</i> , 2021, 127, .	8.2	14
100	Effect of surfactants on the morphology of ferroelectric crystals grown from MXene. <i>AIP Advances</i> , 2021, 11, .	1.2	4
101	Competition between Chiral Energy and Chiral Damping in the Asymmetric Expansion of Magnetic Bubbles. <i>ACS Applied Electronic Materials</i> , 2021, 3, 4734-4742.	4.6	10
102	Unraveling the origin of ferroelectric resistance switching through the interfacial engineering of layered ferroelectric-metal junctions. <i>Nature Communications</i> , 2021, 12, .	13.9	84
103	Feasible Way to Achieve Multifunctional (K, Na)NbO ₃ -Based Ceramics: Controlling Long-Range Ferroelectric Ordering. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 60227-60240.	8.0	26
104	Thermal creation of skyrmions in ferromagnetic films with perpendicular anisotropy and Dzyaloshinskii-Moriya interaction. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 493, 165724.	2.8	17
105	Morphological quantification of proliferation-to-invasion transition in tumor spheroids. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129460.	2.0	6
106	Emerging new phase boundary in potassium sodium-niobate based ceramics. <i>Chemical Society Reviews</i> , 2020, 49, 671-707.	37.8	349
107	Nanoscale pathways for human tooth decay – Central planar defect, organic-rich precipitate and high-angle grain boundary. <i>Biomaterials</i> , 2020, 235, 119748.	12.3	38
108	Understanding the Origin of Selective Reduction of CO ₂ to CO on Single-Atom Nickel Catalyst. <i>Journal of Physical Chemistry B</i> , 2020, 124, 511-518.	2.7	23

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109	Current-Induced Helicity Reversal of a Single Skyrmionic Bubble Chain in a Nanostructured Frustrated Magnet. <i>Advanced Materials</i> , 2020, 32, .	24.5	65
110	Hierarchical Cobalt Selenides as Highly Efficient Microwave Absorbers with Tunable Frequency Response. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1222-1231.	8.0	78
111	Atomic Self-Reconstruction of Catalyst Dominated Growth Mechanism of Graphite Structures. <i>ChemCatChem</i> , 2020, 12, 1316-1324.	3.6	10
112	Electric-field-driven non-volatile multi-state switching of individual skyrmions in a multiferroic heterostructure. <i>Nature Communications</i> , 2020, 11, .	13.9	182
113	Néel-type skyrmion in WTe_2/Fe_3GeTe_2 van der Waals heterostructure. <i>Nature Communications</i> , 2020, 11, .	13.9	320
114	Magnetotransport Mechanism of Individual Nanostructures via Direct Magnetoresistance Measurement in situ SEM. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39798-39806.	8.0	1
115	Synergetic Contributions in Phase Boundary Engineering to the Piezoelectricity of Potassium Sodium Niobate Lead-Free Piezoceramics. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39455-39461.	8.0	27
116	Speed enhancement of magnetic logic-memory device by insulator-to-metal transition. <i>Applied Physics Letters</i> , 2020, 117, .	3.0	8
117	Iontronics Using V_2CT_x MXene-Derived Metal-Organic Framework Solid Electrolytes. <i>ACS Nano</i> , 2020, 14, 9840-9847.	15.3	39
118	Large Barocaloric Effect with High Pressure-Driving Efficiency in a Hexagonal $MnNi_{0.77}Fe_{0.23}Ge$ Alloy. <i>Chinese Physics Letters</i> , 2020, 37, 076101.	4.2	6
119	Tuning the Covalency of A-O Bonds to Improve the Performance of KNN-Based Ceramics with Multiphase Coexistence. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49795-49804.	8.0	23
120	Role of Buffer Layer and Building Unit in the Monolayer CrI_3 Growth: A First-Principles Perspective. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9453-9460.	4.2	10
121	Optoelectronic Ferroelectric Domain-Wall Memories Made from a Single Van Der Waals Ferroelectric. <i>Advanced Functional Materials</i> , 2020, 30, .	17.0	104
122	Unveiling the Origin of Multidomain Structures in Compositionally Modulated Cylindrical Magnetic Nanowires. <i>ACS Nano</i> , 2020, 14, 12819-12827.	15.3	25
123	Electron Beam Lithography of Magnetic Skyrmions. <i>Advanced Materials</i> , 2020, 32, .	24.5	42
124	Mobility-Fluctuation-Controlled Linear Positive Magnetoresistance in 2D Semiconductor Bi_2O_2Se Nanoplates. <i>ACS Nano</i> , 2020, 14, 11319-11326.	15.3	41
125	Gradient Index Devices for Terahertz Spoof Surface Plasmon Polaritons. <i>ACS Photonics</i> , 2020, 7, 3305-3312.	6.0	22
126	Terahertz Spoof Surface Plasmonic Logic Gates. <i>IScience</i> , 2020, 23, 101685.	3.6	25

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127	Bending strain tailored exchange bias in epitaxial NiMn _{1-x} Fe _x bilayers. Applied Physics Letters, 2020, 117, .	3.0	15
128	Metagrating-Based Terahertz Polarization Beam Splitter Designed by Simplified Modal Method. Frontiers in Physics, 2020, 8, .	1.9	13
129	Topological Hall Effect in Traditional Ferromagnet Embedded with Black-Phosphorus-Like Bismuth Nanosheets. ACS Applied Materials & Interfaces, 2020, 12, 25135-25142.	8.0	28
130	Topological electronic state and anisotropic Fermi surface in half-Heusler GdPtBi. Journal of Physics Condensed Matter, 2020, 32, 355707.	2.3	8
131	Carbon black-supported FM@C (FM = Fe, Co, and Ni) single-atom catalysts synthesized by the self-catalysis of oxygen-coordinated ferrous metal atoms. Journal of Materials Chemistry A, 2020, 8, 13166-13172.	9.3	32
132	Unveiling defect-mediated carrier dynamics in monolayer semiconductors by spatiotemporal microwave imaging. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13908-13913.	7.6	37
133	Independence of the spin current from the Néel vector orientation in antiferromagnet CoO. Physical Review B, 2020, 101, .	3.4	3
134	Thermally induced generation and annihilation of magnetic chiral skyrmion bubbles and achiral bubbles in MnNiGa magnets. Applied Physics Letters, 2020, 116, .	3.0	11
135	Photoluminescent Ferroelectric LiNbO ₃ Crystals Grown from MXenes. Advanced Functional Materials, 2020, 30, .	17.0	16
136	A new concept to enhance piezoelectricity and temperature stability in KNN ceramics. Chemical Engineering Journal, 2020, 402, 126215.	12.0	78
137	Giant magnetoelectric effect in perpendicularly magnetized Pt/Co/Ta ultrathin films on a ferroelectric substrate. Materials Horizons, 2020, 7, 2328-2335.	10.3	15
138	Direct imaging of an inhomogeneous electric current distribution using the trajectory of magnetic half-skyrmions. Science Advances, 2020, 6, .	11.0	29
139	Reduced degree of phase coexistence in KNN-Based ceramics by competing additives. Journal of the European Ceramic Society, 2020, 40, 2945-2953.	6.2	30
140	Fully Integrated Indium Gallium Zinc Oxide NO ₂ Gas Detector. ACS Sensors, 2020, 5, 984-993.	8.5	100
141	Enhanced Quality of Wafer-Scale MoS ₂ Films by a Capping Layer Annealing Process. Advanced Functional Materials, 2020, 30, .	17.0	31
142	Interfacial Roughness Facilitated by Dislocation and a Metal-Fuse Resistor Fabricated Using a Nanomanipulator. ACS Applied Materials & Interfaces, 2020, 12, 24442-24449.	8.0	2
143	Deformation of Néel-type skyrmions revealed by Lorentz transmission electron microscopy. Applied Physics Letters, 2020, 116, 142402.	3.0	15
144	Nano-domains in lead-free piezoceramics: a review. Journal of Materials Chemistry A, 2020, 8, 10026-10073.	9.3	259

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145	Formation and magnetic-field stability of magnetic dipole skyrmions and bubbles in a ferrimagnet. Applied Physics Letters, 2020, 116, .	3.0	11
146	Effect of surface roughness on the anomalous Hall effect in Fe thin films. Physical Review B, 2020, 101, .	3.4	15
147	Dual non-diffractive terahertz beam generators based on all-dielectric metasurface. Frontiers of Optoelectronics, 2020, 14, 201-210.	4.2	8
148	Surface susceptibility and conductivity of MoS_2 and WS_2 .	3.4	38
149	Curved terahertz surface plasmonic waveguide devices. Optics Express, 2020, 28, 1987.	3.0	27
150	Generation of terahertz vector beams using dielectric metasurfaces via spin-decoupled phase control. Nanophotonics, 2020, 9, 3393-3402.	6.2	119
151	Enhancement of critical current density in a superconducting NbSe_2 step junction. Nanoscale, 2020, 12, 12076-12082.	5.0	9
152	Ultra-compact terahertz plasmonic wavelength diplexer. Applied Optics, 2020, 59, 10451.	1.5	10
153	High-throughput Production of ZnO-MoS ₂ -Graphene Heterostructures for Highly Efficient Photocatalytic Hydrogen Evolution. Materials, 2019, 12, 2233.	2.9	42
154	Magnetotransport and electronic noise in superparamagnetic magnetic tunnel junctions. Applied Physics Letters, 2019, 115, .	3.0	12
155	Enhancement of Dielectric Permittivity of $\text{Ti}_3\text{C}_2\text{T}_x$ MXene/Polymer Composites by Controlling Flake Size and Surface Termination. ACS Applied Materials & Interfaces, 2019, 11, 27358-27362.	8.0	101
156	Growth of 2H stacked WSe_2 bilayers on sapphire. Nanoscale Horizons, 2019, 4, 1434-1442.	6.5	35
157	Coupling-Mediated Selective Spin-Plasmonic Orbital Angular Momentum Conversion. Advanced Optical Materials, 2019, 7, .	7.0	14
158	Fractal-Theory-Based Control of the Shape and Quality of CVD-Grown 2D Materials. Advanced Materials, 2019, 31, .	24.5	75
159	Boron Vacancies Causing Breakdown in 2D Layered Hexagonal Boron Nitride Dielectrics. IEEE Electron Device Letters, 2019, 40, 1321-1324.	3.3	23
160	Competition between Electronic and Magnonic Spin Currents in Metallic Antiferromagnets. Physical Review Applied, 2019, 12, .	3.9	8
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