

Fengqi Song

List of Publications by Year in descending order

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172
papers

6,245
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65993

74
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180
all docs

180
docs citations

180
times ranked

9913
citing authors

#	ARTICLE	IF	CITATIONS
1	Hopping transport through defect-induced localized states in molybdenum disulphide. Nature Communications, 2013, 4, 2642.	13.2	969
2	Integrated digital inverters based on two-dimensional anisotropic ReS ₂ field-effect transistors. Nature Communications, 2015, 6, 6991.	13.2	520
3	Pressure-driven dome-shaped superconductivity and electronic structural evolution in tungsten ditelluride. Nature Communications, 2015, 6, 7805.	13.2	339
4	Two-dimensional quasi-freestanding molecular crystals for high-performance organic field-effect transistors. Nature Communications, 2014, 5, 5162.	13.2	326
5	Intrinsic magnetic topological insulator phases in the Sb doped MnBi ₂ Te ₄ bulks and thin flakes. Nature Communications, 2019, 10, 4469.	13.2	228
6	Nontrivial Berry phase and type-II Dirac transport in the layered material PdTe . Physical Review B, 2017, 96, .	3.3	187
7	Discovery of a new type of topological Weyl fermion semimetal state in $\text{Mo}_x\text{W}_{1-x}\text{Te}_2$. Nature Communications, 2016, 7, 13643.	13.2	164
8	Evidence of Both Surface and Bulk Dirac Bands and Anisotropic Nonsaturating Magnetoresistance in ZrSiS. Advanced Electronic Materials, 2016, 2, 1600228.	5.4	118
9	Fermi arc electronic structure and Chern numbers in the type-II Weyl semimetal candidate $\text{Mo}_x\text{W}_{1-x}\text{Te}_2$. Physical Review B, 2016, 94, .	3.3	116
10	The In-Plane Anisotropy of WTe ₂ Investigated by Angle-Dependent and Polarized Raman Spectroscopy. Scientific Reports, 2016, 6, 29254.	3.5	106
11	High-harmonic generation from topological surface states. Nature Physics, 2021, 17, 311-315.	11.8	103
12	A Gd@C ₈₂ single-molecule electret. Nature Nanotechnology, 2020, 15, 1019-1024.	30.5	81
13	Nontopological origin of the planar Hall effect in the type-II Dirac semimetal NiTe_2 . Physical Review B, 2019, 99, .	3.3	116
14	Weak antilocalization in Cd ₃ As ₂ thin films. Scientific Reports, 2016, 6, 22377.	3.5	76
15	Two-dimensional universal conductance fluctuations and the electron-phonon interaction of surface states in Bi ₂ Te ₂ Se microflakes. Scientific Reports, 2012, 2, 595.	3.5	70
16	Manipulating disordered plasmonic systems by external cavity with transition from broadband absorption to reconfigurable reflection. Nature Communications, 2020, 11, 1538.	13.2	69
17	Evidence of weak localization in quantum interference effects observed in epitaxial La _{0.7} Sr _{0.3} MnO ₃ ultrathin films. Scientific Reports, 2016, 6, 26081.	3.5	65
18	Experimental Observation of the Gate-Controlled Reversal of the Anomalous Hall Effect in the Intrinsic Magnetic Topological Insulator MnBi ₂ Te ₄ Device. Nano Letters, 2020, 20, 709-714.	9.5	65

#	ARTICLE	IF	CITATIONS
19	Topological transport and atomic tunnellingâ€‘clustering dynamics for aged Cu-doped Bi ₂ Te ₃ crystals. Nature Communications, 2014, 5, 5022.	13.2	60
20	Solvothermal Synthesis of Lateral Heterojunction Sb ₂ Te ₃ /Bi ₂ Te ₃ Nanoplates. Nano Letters, 2015, 15, 5905-5911.	9.5	58
21	Atomic-Scale Visualization of Quasiparticle Interference on a Type-II Weyl Semimetal Surface. Physical Review Letters, 2016, 117, 266804.	8.0	58
22	Pressure-induced Td to 1Tâ€² structural phase transition in WTe ₂ . AIP Advances, 2016, 6, .	1.3	53
23	Quasiparticle interference and nonsymmorphic effect on a floating band surface state of ZrSiSe. Nature Communications, 2018, 9, 4153.	13.2	51
24	Plume dynamics during film and nanoparticles deposition by pulsed laser ablation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 302, 182-189.	2.2	50
25	Hierarchical structural complexity in atomically precise nanocluster frameworks. National Science Review, 2021, 8, nwaa077.	9.5	49
26	Band Structure Perfection and Superconductivity in Typeâ€‘II Dirac Semimetal Ir ¹⁺ _x Pt _x Te ₂ . Advanced Materials, 2018, 30, e1801556.	24.1	48
27	Anomalous in-plane anisotropic Raman response of monoclinic semimetal Ir ¹⁺ -MoTe ₂ . Scientific Reports, 2017, 7, 1758.	3.5	47
28	Electrical switching between exciton dissociation to exciton funneling in MoSe ₂ /WS ₂ heterostructure. Nature Communications, 2020, 11, 2640.	13.2	47
29	Highâ€‘Mobility Smâ€‘Doped Bi ₂ Se ₃ Ferromagnetic Topological Insulators and Robust Exchange Coupling. Advanced Materials, 2015, 27, 4823-4829.	24.1	45
30	The positive piezoconductive effect in graphene. Nature Communications, 2015, 6, 8119.	13.2	45
31	Response Characteristics of Hydrogen Sensors Based on PMMA-Membrane-Coated Palladium Nanoparticle Films. ACS Applied Materials & Interfaces, 2017, 9, 27193-27201.	8.3	45
32	Preparation of SnO ₂ nanorods by annealing SnO ₂ powder in NaCl flux. Journal of Materials Chemistry, 2002, 12, 1922-1925.	6.7	44
33	Scaling Dopant States in a Semiconducting Nanostructure by Chemically Resolved Electron Energy-Loss Spectroscopy: A Case Study on Co-Doped ZnO. Journal of the American Chemical Society, 2010, 132, 6492-6497.	14.6	41
34	Experimental evidence and control of the bulk-mediated intersurface coupling in topological insulator<math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></math> Physical Review B, 2015, 91, .	3.3	41
35	Thickness-dependent quantum oscillations in Cd ₃ As ₂ thin films. New Journal of Physics, 2016, 18, 083003.	2.9	41
36	Carrier balance and linear magnetoresistance in type-II Weyl semimetal WTe ₂ . Frontiers of Physics, 2017, 12, 1.	5.4	39

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37	Repairing atomic vacancies in single-layer MoSe ₂ field-effect transistor and its defect dynamics. Npj Quantum Materials, 2017, 2, .	5.3	39
38	A promising method for fabricating Ag nanoparticle modified nonenzyme hydrogen peroxide sensors. Sensors and Actuators B: Chemical, 2013, 181, 125-129.	8.0	37
39	Anomalous quantization trajectory and parity anomaly in Co cluster decorated BiSbTeSe ₂ nanodevices. Nature Communications, 2017, 8, 977.	13.2	37
40	Identifying Native Point Defects in the Topological Insulator Bi ₂ Te ₃ . ACS Nano, 2020, 14, 13172-13179.	15.2	37
41	Oscillating planar Hall response in bulk crystal of topological insulator Sn doped Bi _{1.1} Sb _{0.9} Te ₂ S. Applied Physics Letters, 2018, 113, .	3.3	36
42	Evidence for a Dirac nodal-line semimetal in SrAs ₃ . Science Bulletin, 2018, 63, 535-541.	11.1	36
43	Synthesis of large-area monolayer and bilayer graphene using solid coronene by chemical vapor deposition. Carbon, 2016, 108, 356-362.	10.7	35
44	Tuning the transport behavior of centimeter-scale WTe ₂ ultrathin films fabricated by pulsed laser deposition. Applied Physics Letters, 2017, 111, .	3.3	35
45	Three-Dimensional Anisotropic Magnetoresistance in the Dirac Node-Line Material ZrSiSe. Scientific Reports, 2018, 8, 9340.	3.5	34
46	Field emission from a periodic amorphous silicon pillar array fabricated by modified nanosphere lithography. Nanotechnology, 2008, 19, 135308.	2.7	33
47	Non-Abelian gauge fields in circuit systems. Nature Electronics, 2022, 5, 635-642.	18.9	32
48	Direct Demonstration of the Emergent Magnetism Resulting from the Multivalence Mn in a LaMnO ₃ Epitaxial Thin Film System. Advanced Electronic Materials, 2018, 4, 1800055.	5.4	31
49	The polarization-dependent anisotropic Raman response of few-layer and bulk WTe ₂ under different excitation wavelengths. RSC Advances, 2016, 6, 103830-103837.	3.7	30
50	Ultrahigh Hall mobility and suppressed backward scattering in layered semiconductor Bi ₂ O ₂ Se. Applied Physics Letters, 2018, 113, .	3.3	30
51	Disorder-Induced Material-Insensitive Optical Response in Plasmonic Nanostructures: Vibrant Structural Colors from Noble Metals. Advanced Materials, 2021, 33, e2007623.	24.1	29
52	High-power splitting of expanded graphite to produce few-layer graphene sheets. Carbon, 2011, 49, 2862-2868.	10.7	28
53	Quantitative Analysis of Weak Antilocalization Effect of Topological Surface States in Topological Insulator BiSbTeSe ₂ . Nano Letters, 2019, 19, 2450-2455.	9.5	28
54	Flexible Sm ²⁺ /Fe/polyvinylidene fluoride heterostructural film with large magnetoelectric voltage output. Applied Physics Letters, 2010, 97, .	3.3	27

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55	Response behavior of a palladium nanoparticle array based hydrogen sensor in hydrogen-nitrogen mixture. <i>Sensors and Actuators A: Physical</i> , 2012, 181, 20-24.	4.2	27
56	Tailoring exciton dynamics of monolayer transition metal dichalcogenides by interfacial electron-phonon coupling. <i>Communications Physics</i> , 2019, 2, .	5.3	27
57	Visualizing Plasmon Coupling in Closely Spaced Chains of Ag Nanoparticles by Electron Energy-Loss Spectroscopy. <i>Small</i> , 2010, 6, 446-451.	11.1	25
58	Nanoscale ferromagnetic chromium oxide film from gas-phase nanocluster deposition. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	24
59	Systemically tuning the surface plasmon resonance of high-density silver nanoparticle films. <i>European Physical Journal D</i> , 2013, 67, 1.	1.4	24
60	Synchronous Growth of High-Quality Bilayer Bernal Graphene: From Hexagonal Single-Crystal Domains to Wafer-Scale Homogeneous Films. <i>Advanced Functional Materials</i> , 2017, 27, 1605927.	16.4	23
61	Coupled relaxation channels of excitons in monolayer MoSe ₂ . <i>Nanoscale</i> , 2017, 9, 18546-18551.	5.8	23
62	Long-Range Ordered Amorphous Atomic Chains as Building Blocks of a Superconducting Quasi-One-Dimensional Crystal. <i>Advanced Materials</i> , 2020, 32, e2002352.	24.1	23
63	Controllable synthesis and magnetotransport properties of Cd ₃ As ₂ Dirac semimetal nanostructures. <i>RSC Advances</i> , 2017, 7, 17689-17696.	3.7	22
64	Quantum oscillations in type-II Dirac semimetal PtTe_2 . <i>Physical Review B</i> , 2018, 97, .		
65	Rendering hydrophobic nanoclusters water-soluble and biocompatible. <i>Chemical Science</i> , 2020, 11, 4808-4816.	7.8	22
66	Experimental Observation of Nanojets Formed by Heating PbO-Coated Pb Clusters. <i>Physical Review Letters</i> , 2005, 94, 093401.	8.0	21
67	Two-dimensional gradient Ag nanoparticle assemblies: multiscale fabrication and SERS applications. <i>Nanotechnology</i> , 2010, 21, 495601.	2.7	21
68	Excitonic Complexes and Emerging Interlayer Electron-Phonon Coupling in BN Encapsulated Monolayer Semiconductor Alloy: WS _{0.6} Se _{1.4} . <i>Nano Letters</i> , 2019, 19, 299-307.	9.5	21
69	The Material Efforts for Quantized Hall Devices Based on Topological Insulators. <i>Advanced Materials</i> , 2020, 32, e1904593.	24.1	20
70	The mechanism exploration for zero-field ferromagnetism in intrinsic topological insulator MnBi ₂ Te ₄ by Bi ₂ Te ₃ intercalations. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	20
71	Experimental evidence for dissipationless transport of the chiral edge state of the high-field Chern insulator in MnBi_2Te_4 nanodevices. <i>Physical Review B</i> , 2022, 105, .	3.3	20
72	Identification of defect-related emissions in ZnO hybrid materials. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	19

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73	A tunable palladium nanoparticle film-based strain sensor in a Mott variable-range hopping regime. <i>Sensors and Actuators A: Physical</i> , 2018, 272, 161-169.	4.2	19
74	Colossal Terahertz Photoresponse at Room Temperature: A Signature of Type-II Dirac Fermiology. <i>ACS Nano</i> , 2021, 15, 5138-5146.	15.2	19
75	Experimental evidence on the Altshuler-Aronov-Spivak interference of the topological surface states in the exfoliated Bi ₂ Te ₃ nanoflakes. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	18
76	Indications of topological transport by universal conductance fluctuations in Bi ₂ Te ₃ Se microflakes. <i>Applied Physics Express</i> , 2014, 7, 065202.	2.4	18
77	Evidence of layered transport of bulk carriers in Fe-doped Bi ₂ Se ₃ topological insulators. <i>Solid State Communications</i> , 2015, 211, 29-33.	1.9	18
78	Intrinsic ferromagnetism and quantum transport transition in individual Fe-doped Bi ₂ Se ₃ topological insulator nanowires. <i>Nanoscale</i> , 2017, 9, 12372-12378.	5.8	18
79	Cluster-assembled Tb-Fe nanostructured films produced by low energy cluster beam deposition. <i>Nanotechnology</i> , 2007, 18, 265705.	2.7	17
80	A Silicon Cluster Based Single Electron Transistor with Potential Room-Temperature Switching. <i>Chinese Physics Letters</i> , 2018, 35, 037301.	3.4	17
81	Coexistence of ferromagnetism and topology by charge carrier engineering in the intrinsic magnetic topological insulator $MnBi_3$. <i>Physical Review B</i> , 2021, 104, .	3.3	17
82	Hierarchical Self-assembly of Silver Nanocluster Arrays on Triblock Copolymer Templates. <i>Journal of Physical Chemistry B</i> , 2006, 110, 18154-18157.	2.7	16
83	Quantum oscillation and nontrivial transport in the Dirac semimetal Cd ₃ As ₂ nanodevice. <i>Applied Physics Letters</i> , 2016, 108, 183103.	3.3	16
84	Annealing-Induced Bi Bilayer on Bi ₂ Te ₃ Investigated via Quasi-Particle-Interference Mapping. <i>ACS Nano</i> , 2016, 10, 8778-8787.	15.2	16
85	Phase transition and anomalous scaling in the quantum Hall transport of topological-insulator SnB_3 . <i>Physical Review B</i> , 2021, 104, .	3.3	16
86	Magneto-transport and Shubnikov-de Haas oscillations in the layered ternary telluride topological semimetal candidate Ta ₃ SiTe ₆ . <i>Applied Physics Letters</i> , 2020, 116, .	3.3	16
87	Giant room-temperature magnetocapacitance in Co ²⁺ doped SnO ₂ dielectric films. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	15
88	Moiré superlattices at the topological insulator Bi ₂ Te ₃ . <i>Scientific Reports</i> , 2016, 6, 20278.	3.5	15
89	Cooling Growth of Millimeter-Size Single-Crystal Bilayer Graphene at Atmospheric Pressure. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13596-13603.	3.3	14
90	Topological Phase Transition-Induced Triaxial Vector Magnetoresistance in (Bi ₂ In ₂) ₂ Se ₃ Nanodevices. <i>ACS Nano</i> , 2018, 12, 1537-1543.	15.2	14

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91	Room-temperature observations of the weak localization in low-mobility graphene films. Journal of Applied Physics, 2013, 114, 214502.	2.3	13
92	Dual enhancement of light extraction efficiency of flip-chip light-emitting diodes with multiple beveled SiC surface and porous ZnO nanoparticle layer coating. Nanotechnology, 2015, 26, 185201.	2.7	13
93	Tuning the electrical transport of type II Weyl semimetal WTe ₂ nanodevices by Mo doping. Nanotechnology, 2018, 29, 135705.	2.7	13
94	(Er, Yb)-co-doped multifunctional ZnO transparent hybrid materials: fabrication, luminescent and magnetic properties. Journal Physics D: Applied Physics, 2011, 44, 155404.	2.9	12
95	Tunable Formation of Ferromagnetic Nanoparticle Rings: Experiments and Monte Carlo Simulations. Journal of Physical Chemistry C, 2012, 116, 10805-10813.	3.3	12
96	Observation of Magnetism-Induced Topological Edge State in Antiferromagnetic Topological Insulator MnBi ₄ Te ₇ . ACS Nano, 2022, 16, 9810-9818.	15.2	12
97	Slice Visualization for Imaging Nanocluster Transformations. Journal of the American Chemical Society, 2023, 145, 13750-13757.	14.6	12
98	Enhanced quantum coherence in graphene caused by Pd cluster deposition. Applied Physics Letters, 2015, 106, .	3.3	11
99	Nontrivial surface state transport in Bi ₂ Se ₃ topological insulator nanoribbons. Applied Physics Letters, 2017, 110, 053108.	3.3	11
100	The study on quantum material WTe ₂ . Advances in Physics: X, 2018, 3, 1468279.	5.8	11
101	Effect of grain boundaries on charge transport in CVD-grown bilayer graphene. Carbon, 2019, 147, 434-440.	10.7	11
102	Large Exchange Bias Effect and Coverage-Dependent Interfacial Coupling in CrI ₃ /MnBi ₂ Te ₄ van der Waals Heterostructures. Nano Letters, 2023, 23, 765-771.	9.5	11
103	Calibrating the atomic balance by carbon nanoclusters. Applied Physics Letters, 2010, 96, .	3.3	10
104	Tuning the electrical transport of type II Weyl semimetal WTe ₂ nanodevices by Ga ⁺ ion implantation. Scientific Reports, 2017, 7, 12688.	3.5	10
105	Layered Topological Insulators and Semimetals for Anomalous Magnetoresistance Type Sensors. Advanced Quantum Technologies, 2019, 2, 1800039.	4.1	10
106	A van der Waals heterostructure based on nickel telluride and graphene with spontaneous high-frequency photoresponse. Applied Physics Letters, 2022, 120, .	3.3	10
107	Intrinsic Topological Insulator Bi _{1.5} Sb _{0.5} Te _{3-x} Sex Thin Crystals. Scientific Reports, 2015, 5, 7931.	3.5	9
108	Pressure-induced topological insulator-to-metal transition and superconductivity in Sn-doped $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle B \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle i \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1.1 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle b \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0.9 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi}$	3.3	9

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109	Large magnetoresistance in topological insulator candidate TaSe ₃ . AIP Advances, 2020, 10, .	1.3	9
110	Visualizing Topological Insulating Bi ₂ Te ₃ Quintuple Layers on SiO ₂ -Capped Si Substrates and Its Contrast Optimization. Journal of Nanoscience and Nanotechnology, 2011, 11, 7042-7046.	1.0	8
111	Sizeable Kane-like spin orbit coupling in graphene decorated with iridium clusters. Applied Physics Letters, 2016, 108, 203106.	3.3	8
112	The Unique Current-Direction Dependent On-Off Switching in BiSbTeSe ₂ Topological Insulator Based Spin Valve Transistors. IEEE Electron Device Letters, 2016, , 1-1.	4.2	7
113	Unsaturated magnetoconductance of epitaxial La _{0.7} Sr _{0.3} MnO ₃ thin films in pulsed magnetic fields up to 60 T. AIP Advances, 2017, 7, 056404.	1.3	7
114	A comprehensive ARPES study on the type-II Dirac semimetal candidate Ir _{1-x} PtxTe ₂ . APL Materials, 2020, 8, .	4.8	7
115	Unconventional anomalous Hall effect in magnetic topological insulator MnBi ₄ Te ₇ device. Applied Physics Letters, 2021, 118, .	3.3	7
116	Defect-induced helicity dependent terahertz emission in Dirac semimetal PtTe ₂ thin films. Nature Communications, 2024, 15, .	13.2	7
117	Synthesis and magnetotransport properties of Bi ₂ Se ₃ nanowires. Chinese Physics B, 2017, 26, 096101.	1.5	6
118	The synthesis and electrical transport of ligand-protected Au ₁₃ clusters. European Physical Journal D, 2017, 71, 1.	1.4	6
119	Plasmonic evolution of atomically size-selected Au clusters by electron energy loss spectrum. National Science Review, 2021, 8, nwaa282.	9.5	6
120	Field-emission cascades prepared by boron nitride cluster beam deposition. Journal of Vacuum Science & Technology B, 2008, 26, 1038.	1.3	5
121	The influence of nanoparticle size on the magnetostrictive properties of cluster-assembled Tb-Fe nanofilms. Thin Solid Films, 2010, 518, 3190-3193.	1.9	5
122	Cobalt-Carbon Complexes Induced Ferromagnetism in Chemically Modified Perovskite Dilute Magnetic Complex Oxides. Journal of Physical Chemistry C, 2013, 117, 18258-18265.	3.3	5
123	Shubnikov de Haas quantum oscillation of the surface states in the metallic Bismuth Telluride sheets. European Physical Journal D, 2013, 67, 1.	1.4	5
124	Anomalous Hall study of magnetic topological insulator Cr _{0.15} (Bi _{0.1} Sb _{0.9}) _{1.85} Te ₃ microflakes. Solid State Communications, 2015, 223, 45-49.	1.9	5
125	Observations of nodal lines in the topological semimetal ZrSnTe. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.5	5
126	Alkyl 3-Nitroacrylates in Reactions with Substituted Hydrazines. Russian Journal of General Chemistry, 2022, 92, 141-146.	1.0	5

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127	Enhancement of Spin Polarization in Two-Dimensional Electron Gases at Patterned LaAlO ₃ /SrTiO ₃ Interfaces. Journal of Physical Chemistry C, 2022, 126, 19002-19010.	3.3	5
128	Enhanced Superconductivity and Upper Critical Field in Ta _{1-x} Mo _x Te ₂ Doped Weyl Semimetal. Advanced Materials, 2023, 35, .	24.1	5
129	A one-third magnetization plateau phase as evidence for the Kitaev interaction in a honeycomb-lattice antiferromagnet. Nature Physics, 2023, 19, 1883-1889.	11.8	5
130	Films with discrete nano-DLC-particles as the field emission cascade. Journal Physics D: Applied Physics, 2008, 41, 042001.	2.9	4
131	Quantum oscillations and nontrivial transport in (Bi _{0.92} In _{0.08}) ₂ Se ₃ . Chinese Physics B, 2017, 26, 127305.	1.5	4
132	Electrical spin polarization through spin-momentum locking in topological-insulator nanostructures. Chinese Physics B, 2018, 27, 097307.	1.5	4
133	Synthesis of Au doped Ag nanoclusters and the doping effect of Au atoms on their physical and optical properties. Materials Research Express, 2020, 7, 016506.	1.7	4
134	Tunable optical topological transitions of plasmon polaritons in WTe ₂ van der Waals films. Light: Science and Applications, 2023, 12, .	16.2	4
135	Lifecycle studies of field emission of BN thin films. Physica B: Condensed Matter, 2005, 366, 200-204.	2.8	3
136	ION SPUTTERING NANOSTRUCTURING CRYSTALLINE MgF ₂ SURFACE AND ITS ENERGY-DEPENDENT SURFACE ROUGHNESS. Modern Physics Letters B, 2005, 19, 157-162.	1.9	3
137	Scanning probe microscopy induced surface modifications of the topological insulator Bi ₂ Te ₃ in different environments. Nanotechnology, 2017, 28, 335706.	2.7	3
138	Probing plasmon resonances of individual aluminum nanoparticles. Modern Physics Letters B, 2018, 32, 1850032.	1.9	3
139	2 step of conductance fluctuations due to the broken time-reversal symmetry in bulk-insulating BiSbTeSe ₂ devices. Applied Physics Letters, 2018, 112, .	3.3	3
140	Reversible engineering of topological insulator surface state conductivity through optical excitation. Nanotechnology, 2021, 32, 17LT01.	2.7	3
141	An Au ₂₅ -R single-molecule tidal diode induced by the asymmetrical coupling. AIP Advances, 2022, 12, 095104.	1.3	3
142	Electrically controlled nonvolatile switching of single-atom magnetism in a Dy@C ₈₄ single-molecule transistor. Nature Communications, 2024, 15, .	13.2	3
143	Nanojets from the heated PbO-coated Pb clusters and its ambient sensitivity. Applied Physics Letters, 2006, 89, 193104.	3.3	2
144	Structures and polarizabilities of medium-sized GaAs _n clusters. Chemical Physics Letters, 2011, 511, 97-100.	2.7	2

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145	Directed growth of graphene nanomesh in purified argon via chemical vapor deposition. Nanotechnology, 2017, 28, 245604.	2.7	2
146	First-principles study of native defects in bulk Sm ₂ CuO ₄ and its (001) surface structure. Journal of Applied Physics, 2018, 123, .	2.3	2
147	Beam generation and structural optimization of size-selected Au ₉₂₃ clusters. Nanoscale Advances, 2020, 2, 2720-2725.	4.6	2
148	Temperature-dependent growth of topological insulator Bi ₂ Se ₃ for nanoscale fabrication. AIP Advances, 2020, 10, .	1.3	2
149	Broadband and Spectrally Selective Photothermal Conversion through Nanocluster Assembly of Disordered Plasmonic Metasurfaces. Nano Letters, 2023, 23, 7236-7243.	9.5	2
150	Influence of ligands on the optical properties of rod-shaped Au ₂₅ nanoclusters. Nanoscale, 2023, 15, 15043-15049.	5.8	2
151	Experimental observation on a temperature-induced decoupling between the surface states in topological insulator nanoplates Bi ₂ ^x 0.15(TeSe) ₃ +0.15. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.4	1
152	The modulation of magnetism and charge carrier in magnetic topological insulator MnBi ₄ Te ₇ by Pb and Sb co-doping. Applied Physics Letters, 2023, 122, .	3.3	1
153	Light-induced giant enhancement of nonreciprocal transport at KTaO ₃ -based interfaces. Nature Communications, 2024, 15, .	13.2	1
154	Oxidation behavior and atomic structural transition of size-selected coalescence-resistant tantalum nanoclusters. Nanotechnology, 2024, 35, 315603.	2.7	1
155	DEPOSITION AND CHARACTERIZATION OF SEVERAL-LAYER Pb CLUSTER FILMS. International Journal of Modern Physics B, 2005, 19, 2633-2638.	1.9	0
156	Nanojet formation by heating PbO coated Pb clusters. , 2006, , .		0
157	The optical band-gap changing of Cu doped ZnO nanostructured film. , 2009, , .		0
158	Obvious Temperature Difference Along a Pb Cluster-Decorated Carbon Nanowire. Nanoscale Research Letters, 2010, 5, 138-142.	5.9	0
159	Structural and magnetic properties of co-doped (La,Sr)TiO ₃ nanocrystals. , 2010, , .		0
160	Dense palladium nanoparticle arrays with controlled coverage for fast hydrogen sensors. , 2011, , .		0
161	An investigation of the plasmon enhanced/quenched molecular fluorescence based on multi-graded silver nanoparticle array substrates. , 2011, , .		0
162	Material-Insensitive Optical Response From Disordered Plasmonic Nanostructures. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
163	Experimental observation of gapped topological surface states in Sb-doped MnBi ₄ Te ₇ . Applied Physics Letters, 2024, 124, .	3.3	0
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