

Fengqi Song

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153
papers

4,559
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165
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5,337
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
153	Hopping transport through defect-induced localized states in molybdenum disulphide. <i>Nature Communications</i> , 2013 , 4, 2642	17.4	740
152	Integrated digital inverters based on two-dimensional anisotropic ReS ₂ field-effect transistors. <i>Nature Communications</i> , 2015 , 6, 6991	17.4	417
151	Two-dimensional quasi-freestanding molecular crystals for high-performance organic field-effect transistors. <i>Nature Communications</i> , 2014 , 5, 5162	17.4	270
150	Pressure-driven dome-shaped superconductivity and electronic structural evolution in tungsten ditelluride. <i>Nature Communications</i> , 2015 , 6, 7805	17.4	254
149	Nontrivial Berry phase and type-II Dirac transport in the layered material PdTe ₂ . <i>Physical Review B</i> , 2017 , 96,	3.3	135
148	Discovery of a new type of topological Weyl fermion semimetal state in MoWTe. <i>Nature Communications</i> , 2016 , 7, 13643	17.4	134
147	Intrinsic magnetic topological insulator phases in the Sb doped MnBiTe bulks and thin flakes. <i>Nature Communications</i> , 2019 , 10, 4469	17.4	122
146	Fermi arc electronic structure and Chern numbers in the type-II Weyl semimetal candidate Mo _{1-x} W _x Te ₂ . <i>Physical Review B</i> , 2016 , 94,	3.3	106
145	Evidence of Both Surface and Bulk Dirac Bands and Anisotropic Nonsaturating Magnetoresistance in ZrSiS. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600228	6.4	98
144	The In-Plane Anisotropy of WTe ₂ Investigated by Angle-Dependent and Polarized Raman Spectroscopy. <i>Scientific Reports</i> , 2016 , 6, 29254	4.9	82
143	Controllable Synthesis of Two-Dimensional Metal Nanoparticle Arrays with Oriented Size and Number Density Gradients. <i>Advanced Materials</i> , 2007 , 19, 2979-2983	24	69
142	Two-dimensional universal conductance fluctuations and the electron-phonon interaction of surface states in Bi ₂ Te ₂ Se microflakes. <i>Scientific Reports</i> , 2012 , 2, 595	4.9	61
141	Evidence of weak localization in quantum interference effects observed in epitaxial La _{0.7} Sr _{0.3} MnO ₃ ultrathin films. <i>Scientific Reports</i> , 2016 , 6, 26081	4.9	53
140	Weak antilocalization in Cd ₃ As ₂ thin films. <i>Scientific Reports</i> , 2016 , 6, 22377	4.9	52
139	Topological transport and atomic tunnelling-clustering dynamics for aged Cu-doped Bi ₂ Te ₃ crystals. <i>Nature Communications</i> , 2014 , 5, 5022	17.4	50
138	Atomic-Scale Visualization of Quasiparticle Interference on a Type-II Weyl Semimetal Surface. <i>Physical Review Letters</i> , 2016 , 117, 266804	7.4	50
137	Solvothermal Synthesis of Lateral Heterojunction Sb ₂ Te ₃ /Bi ₂ Te ₃ Nanoplates. <i>Nano Letters</i> , 2015 , 15, 5905-11	11.5	48

136	Scaling dopant states in a semiconducting nanostructure by chemically resolved electron energy-loss spectroscopy: a case study on Co-doped ZnO. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6492-7	16.4	39
135	Plume dynamics during film and nanoparticles deposition by pulsed laser ablation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002 , 302, 182-189	2.3	39
134	Preparation of SnO ₂ nanorods by annealing SnO ₂ powder in NaCl flux. <i>Journal of Materials Chemistry</i> , 2002 , 12, 1922-1925		39
133	Pressure-induced Td to 1T' structural phase transition in WTe ₂ . <i>AIP Advances</i> , 2016 , 6, 075008	1.5	39
132	High-Mobility Sm-Doped Bi ₂ Se ₃ Ferromagnetic Topological Insulators and Robust Exchange Coupling. <i>Advanced Materials</i> , 2015 , 27, 4823-9	24	36
131	Nontopological origin of the planar Hall effect in the type-II Dirac semimetal NiTe ₂ . <i>Physical Review B</i> , 2019 , 99,	3.3	33
130	Field emission from a periodic amorphous silicon pillar array fabricated by modified nanosphere lithography. <i>Nanotechnology</i> , 2008 , 19, 135308	3.4	33
129	The positive piezoconductive effect in graphene. <i>Nature Communications</i> , 2015 , 6, 8119	17.4	32
128	A promising method for fabricating Ag nanoparticle modified nonenzyme hydrogen peroxide sensors. <i>Sensors and Actuators B: Chemical</i> , 2013 , 181, 125-129	8.5	32
127	Anomalous in-plane anisotropic Raman response of monoclinic semimetal 1T'-MoTe ₂ . <i>Scientific Reports</i> , 2017 , 7, 1758	4.9	32
126	Experimental evidence and control of the bulk-mediated intersurface coupling in topological insulator Bi ₂ Te ₂ Se nanoribbons. <i>Physical Review B</i> , 2015 , 91,	3.3	31
125	Experimental Observation of the Gate-Controlled Reversal of the Anomalous Hall Effect in the Intrinsic Magnetic Topological Insulator MnBiTe Device. <i>Nano Letters</i> , 2020 , 20, 709-714	11.5	31
124	Quasiparticle interference and nonsymmorphic effect on a floating band surface state of ZrSiSe. <i>Nature Communications</i> , 2018 , 9, 4153	17.4	31
123	Synthesis of large-area monolayer and bilayer graphene using solid coronene by chemical vapor deposition. <i>Carbon</i> , 2016 , 108, 356-362	10.4	30
122	Nonisothermal Synthesis of AB-Stacked Bilayer Graphene on Cu Foils by Atmospheric Pressure Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 14655-14661	3.8	29
121	Tuning the transport behavior of centimeter-scale WTe ₂ ultrathin films fabricated by pulsed laser deposition. <i>Applied Physics Letters</i> , 2017 , 111, 031906	3.4	29
120	Thickness-dependent quantum oscillations in Cd ₃ As ₂ thin films. <i>New Journal of Physics</i> , 2016 , 18, 083003	2.9	29
119	Band Structure Perfection and Superconductivity in Type-II Dirac Semimetal Ir Pt Te. <i>Advanced Materials</i> , 2018 , 30, e1801556	24	28

118	Carrier balance and linear magnetoresistance in type-II Weyl semimetal WTe ₂ . <i>Frontiers of Physics</i> , 2017 , 12, 1	3.7	27
117	Manipulating disordered plasmonic systems by external cavity with transition from broadband absorption to reconfigurable reflection. <i>Nature Communications</i> , 2020 , 11, 1538	17.4	27
116	Repairing atomic vacancies in single-layer MoSe ₂ field-effect transistor and its defect dynamics. <i>Npj Quantum Materials</i> , 2017 , 2,	5	27
115	Response Characteristics of Hydrogen Sensors Based on PMMA-Membrane-Coated Palladium Nanoparticle Films. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27193-27201	9.5	26
114	High-harmonic generation from topological surface states. <i>Nature Physics</i> , 2021 , 17, 311-315	16.2	26
113	High-power splitting of expanded graphite to produce few-layer graphene sheets. <i>Carbon</i> , 2011 , 49, 2862-2868	10.4	25
112	A Gd@C single-molecule electret. <i>Nature Nanotechnology</i> , 2020 , 15, 1019-1024	28.7	25
111	Flexible SmFe ₂ /polyvinylidene fluoride heterostructural film with large magnetoelectric voltage output. <i>Applied Physics Letters</i> , 2010 , 97, 212902	3.4	23
110	Nanoscale ferromagnetic chromium oxide film from gas-phase nanocluster deposition. <i>Applied Physics Letters</i> , 2008 , 92, 173112	3.4	23
109	Systemically tuning the surface plasmon resonance of high-density silver nanoparticle films. <i>European Physical Journal D</i> , 2013 , 67, 1	1.3	22
108	Visualizing plasmon coupling in closely spaced chains of Ag nanoparticles by electron energy-loss spectroscopy. <i>Small</i> , 2010 , 6, 446-51	11	22
107	Anomalous quantization trajectory and parity anomaly in Co cluster decorated BiSbTeSe nanodevices. <i>Nature Communications</i> , 2017 , 8, 977	17.4	21
106	The polarization-dependent anisotropic Raman response of few-layer and bulk WTe ₂ under different excitation wavelengths. <i>RSC Advances</i> , 2016 , 6, 103830-103837	3.7	21
105	Oscillating planar Hall response in bulk crystal of topological insulator Sn doped Bi _{1.1} Sb _{0.9} Te ₂ S. <i>Applied Physics Letters</i> , 2018 , 113, 011902	3.4	21
104	Three-Dimensional Anisotropic Magnetoresistance in the Dirac Node-Line Material ZrSiSe. <i>Scientific Reports</i> , 2018 , 8, 9340	4.9	21
103	Evidence for a Dirac nodal-line semimetal in SrAs ₃ . <i>Science Bulletin</i> , 2018 , 63, 535-541	10.6	21
102	Ultrahigh Hall mobility and suppressed backward scattering in layered semiconductor Bi ₂ O ₂ Se. <i>Applied Physics Letters</i> , 2018 , 113, 072106	3.4	21
101	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	3.9	21

100	Experimental observation of nanojets formed by heating PbO-coated Pb clusters. <i>Physical Review Letters</i> , 2005 , 94, 093401	7.4	20
99	Hierarchical structural complexity in atomically precise nanocluster frameworks. <i>National Science Review</i> , 2021 , 8, nwaa077	10.8	20
98	Tailoring exciton dynamics of monolayer transition metal dichalcogenides by interfacial electron-phonon coupling. <i>Communications Physics</i> , 2019 , 2,	5.4	19
97	Direct Demonstration of the Emergent Magnetism Resulting from the Multivalence Mn in a LaMnO ₃ Epitaxial Thin Film System. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800055	6.4	19
96	Coupled relaxation channels of excitons in monolayer MoSe. <i>Nanoscale</i> , 2017 , 9, 18546-18551	7.7	19
95	Two-dimensional gradient Ag nanoparticle assemblies: multiscale fabrication and SERS applications. <i>Nanotechnology</i> , 2010 , 21, 495601	3.4	19
94	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	15.6	18
93	Controllable synthesis and magnetotransport properties of Cd ₃ As ₂ Dirac semimetal nanostructures. <i>RSC Advances</i> , 2017 , 7, 17689-17696	3.7	18
92	Identification of defect-related emissions in ZnO hybrid materials. <i>Applied Physics Letters</i> , 2015 , 107, 021902	3.4	18
91	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, 083107	3.4	18
90	Quantum oscillations in type-II Dirac semimetal PtTe ₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	17
89	Intrinsic ferromagnetism and quantum transport transition in individual Fe-doped BiSe topological insulator nanowires. <i>Nanoscale</i> , 2017 , 9, 12372-12378	7.7	16
88	Cluster-assembled Tb-Fe nanostructured films produced by low energy cluster beam deposition. <i>Nanotechnology</i> , 2007 , 18, 265705	3.4	16
87	Identifying Native Point Defects in the Topological Insulator BiTe. <i>ACS Nano</i> , 2020 , 14, 13172-13179	16.7	16
86	Hierarchical self-assembly of silver nanocluster arrays on triblock copolymer templates. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 18154-7	3.4	15
85	Indications of topological transport by universal conductance fluctuations in Bi ₂ Te ₂ Se microflakes. <i>Applied Physics Express</i> , 2014 , 7, 065202	2.4	14
84	Local electrical conduction in polycrystalline La-doped BiFeO ₃ thin films. <i>Nanotechnology</i> , 2013 , 24, 225702	9.4	14
83	Enhanced thermal stability of monodispersed silver cluster arrays assembled on block copolymer scaffolds. <i>Nanotechnology</i> , 2010 , 21, 195304	3.4	14

82	Free-standing graphene by scanning transmission electron microscopy. <i>Ultramicroscopy</i> , 2010 , 110, 1460-1464	14	14
81	Excitonic Complexes and Emerging Interlayer Electron-Phonon Coupling in BN Encapsulated Monolayer Semiconductor Alloy: WSe ₂ . <i>Nano Letters</i> , 2019 , 19, 299-307	11.5	14
80	Electrical switching between exciton dissociation to exciton funneling in MoSe ₂ /WS ₂ heterostructure. <i>Nature Communications</i> , 2020 , 11, 2640	17.4	13
79	Annealing-Induced Bi Bilayer on Bi ₂ Te ₃ Investigated via Quasi-Particle-Interference Mapping. <i>ACS Nano</i> , 2016 , 10, 8778-87	16.7	13
78	Room-temperature observations of the weak localization in low-mobility graphene films. <i>Journal of Applied Physics</i> , 2013 , 114, 214502	2.5	13
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	1.6	12
76	Cooling Growth of Millimeter-Size Single-Crystal Bilayer Graphene at Atmospheric Pressure. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 13596-13603	3.8	12
75	A Silicon Cluster Based Single Electron Transistor with Potential Room-Temperature Switching. <i>Chinese Physics Letters</i> , 2018 , 35, 037301	1.8	12
74	Giant room-temperature magnetocapacitance in Co ²⁺ doped SnO ₂ dielectric films. <i>Applied Physics Letters</i> , 2009 , 95, 152901	3.4	12
73	Cluster-assembled cobalt doped ZnO nanostructured film prepared by low energy cluster beam deposition. <i>Transactions of Nonferrous Metals Society of China</i> , 2009 , 19, 1450-1453	3.3	12
72	Topological Phase Transition-Induced Triaxial Vector Magnetoresistance in (BiIn)Se Nanodevices. <i>ACS Nano</i> , 2018 , 12, 1537-1543	16.7	11
71	Tunable Formation of Ferromagnetic Nanoparticle Rings: Experiments and Monte Carlo Simulations. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 10805-10813	3.8	11
70	(Er, Yb)-co-doped multifunctional ZnO transparent hybrid materials: fabrication, luminescent and magnetic properties. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 155404	3	11
69	Systematic investigation of the SERS efficiency and SERS hotspots in gas-phase deposited Ag nanoparticle assemblies. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 5091-5101	3.6	10
68	Nontrivial surface state transport in Bi ₂ Se ₃ topological insulator nanoribbons. <i>Applied Physics Letters</i> , 2017 , 110, 053108	3.4	10
67	Quantitative Analysis of Weak Antilocalization Effect of Topological Surface States in Topological Insulator BiSbTeSe. <i>Nano Letters</i> , 2019 , 19, 2450-2455	11.5	10
66	Dual enhancement of light extraction efficiency of flip-chip light-emitting diodes with multiple beveled SiC surface and porous ZnO nanoparticle layer coating. <i>Nanotechnology</i> , 2015 , 26, 185201	3.4	10
65	High-temperature quantum anomalous Hall effect in honeycomb bilayer consisting of Au atoms and single-vacancy graphene. <i>Scientific Reports</i> , 2015 , 5, 16843	4.9	10

64	Reversible switching of magnetic states by electric fields in nitrogenized-divacancies graphene decorated by tungsten atoms. <i>Scientific Reports</i> , 2014 , 4, 7575	4.9	10
63	Quantum oscillation and nontrivial transport in the Dirac semimetal Cd ₃ As ₂ nanodevice. <i>Applied Physics Letters</i> , 2016 , 108, 183103	3.4	10
62	The Material Efforts for Quantized Hall Devices Based on Topological Insulators. <i>Advanced Materials</i> , 2020 , 32, e1904593	24	10
61	Rendering hydrophobic nanoclusters water-soluble and biocompatible. <i>Chemical Science</i> , 2020 , 11, 4808-4816	4.8	10
60	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, 092402	3.4	9
59	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	3.9	9
58	Tuning the electrical transport of type II Weyl semimetal WTe nanodevices by Mo doping. <i>Nanotechnology</i> , 2018 , 29, 135705	3.4	9
57	Disorder-Induced Material-Insensitive Optical Response in Plasmonic Nanostructures: Vibrant Structural Colors from Noble Metals. <i>Advanced Materials</i> , 2021 , 33, e2007623	24	9
56	Moiré Superlattices at the topological insulator Bi ₂ Te ₃ . <i>Scientific Reports</i> , 2016 , 6, 20278	4.9	9
55	Enhanced quantum coherence in graphene caused by Pd cluster deposition. <i>Applied Physics Letters</i> , 2015 , 106, 023108	3.4	8
54	Intrinsic topological insulator Bi _(1.5) Sb _(0.5) Te _(3-x) Se _(x) thin crystals. <i>Scientific Reports</i> , 2015 , 5, 7931	4.9	8
53	Calibrating the atomic balance by carbon nanoclusters. <i>Applied Physics Letters</i> , 2010 , 96, 033103	3.4	8
52	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
51	Tuning the electrical transport of type II Weyl semimetal WTe nanodevices by Ga ⁺ ion implantation. <i>Scientific Reports</i> , 2017 , 7, 12688	4.9	7
50	Visualizing topological insulating Bi ₂ Te ₃ quintuple layers on SiO ₂ -capped Si substrates and its contrast optimization. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 7042-6	1.3	7
49	Long-Range Ordered Amorphous Atomic Chains as Building Blocks of a Superconducting Quasi-One-Dimensional Crystal. <i>Advanced Materials</i> , 2020 , 32, e2002352	24	7
48	Unique Current-Direction-Dependent ON/OFF Switching in BiSbTeSe ₂ Topological Insulator-Based Spin Valve Transistors. <i>IEEE Electron Device Letters</i> , 2016 , 1-1	4.4	7
47	Effect of grain boundaries on charge transport in CVD-grown bilayer graphene. <i>Carbon</i> , 2019 , 147, 434-440	4.4	6

46	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, 221902	3.4	6
45	Large magnetoresistance in topological insulator candidate TaSe ₃ . <i>AIP Advances</i> , 2020 , 10, 095314	1.5	6
44	Sizeable Kane-Mele-like spin orbit coupling in graphene decorated with iridium clusters. <i>Applied Physics Letters</i> , 2016 , 108, 203106	3.4	6
43	Phase transition and anomalous scaling in the quantum Hall transport of topological-insulator SnBi _{1.1} Sb _{0.9} Te ₂ S devices. <i>Physical Review B</i> , 2019 , 99,	3.3	6
42	Colossal Terahertz Photoresponse at Room Temperature: A Signature of Type-II Dirac Fermiology. <i>ACS Nano</i> , 2021 , 15, 5138-5146	16.7	6
41	Layered Topological Insulators and Semimetals for Magnetoresistance Type Sensors. <i>Advanced Quantum Technologies</i> , 2018 , 2, 1800039	4.3	6
40	Pressure-induced topological insulator-to-metal transition and superconductivity in Sn-doped Bi _{1.1} Sb _{0.9} Te ₂ S. <i>Physical Review B</i> , 2018 , 97,	3.3	6
39	The study on quantum material WTe ₂ . <i>Advances in Physics: X</i> , 2018 , 3, 1468279	5.1	6
38	Cobalt-Carbon Complexes Induced Ferromagnetism in Chemically Modified Perovskite Dilute Magnetic Complex Oxides. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 18258-18265	3.8	5
37	Anomalous Hall study of magnetic topological insulator Cr _{0.15} (Bi _{0.1} Sb _{0.9}) _{1.85} Te ₃ microflakes. <i>Solid State Communications</i> , 2015 , 223, 45-49	1.6	5
36	Field-emission cascades prepared by boron nitride cluster beam deposition. <i>Journal of Vacuum Science & Technology B</i> , 2008 , 26, 1038		5
35	Synthesis and magnetotransport properties of Bi ₂ Se ₃ nanowires. <i>Chinese Physics B</i> , 2017 , 26, 096101	1.2	4
34	The influence of nanoparticle size on the magnetostrictive properties of cluster-assembled TbFe nanofilms. <i>Thin Solid Films</i> , 2010 , 518, 3190-3193	2.2	4
33	Films with discrete nano-DLC-particles as the field emission cascade. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 042001	3	4
32	A growth mechanism of Si nanowires synthesized by gas condensation of SiO without any catalyst. <i>Journal of Crystal Growth</i> , 2004 , 269, 207-212	1.6	4
31	Unconventional anomalous Hall effect in magnetic topological insulator MnBi ₄ Te ₇ device. <i>Applied Physics Letters</i> , 2021 , 118, 083101	3.4	4
30	2 step of conductance fluctuations due to the broken time-reversal symmetry in bulk-insulating BiSbTeSe ₂ devices. <i>Applied Physics Letters</i> , 2018 , 112, 243106	3.4	3
29	Scanning probe microscopy induced surface modifications of the topological insulator BiTe in different environments. <i>Nanotechnology</i> , 2017 , 28, 335706	3.4	3

28	Quantum oscillations and nontrivial transport in (Bi _{0.92} In _{0.08}) ₂ Se ₃ . <i>Chinese Physics B</i> , 2017 , 26, 127305	3.05	3
27	Shubnikov de Haas quantum oscillation of the surface states in the metallic Bismuth Telluride sheets. <i>European Physical Journal D</i> , 2013 , 67, 1	1.3	3
26	Lifecycle studies of field emission of BN thin films. <i>Physica B: Condensed Matter</i> , 2005 , 366, 200-204	2.8	3
25	Quantum Electronics: Evidence of Both Surface and Bulk Dirac Bands and Anisotropic Nonsaturating Magnetoresistance in ZrSiS (Adv. Electron. Mater. 10/2016). <i>Advanced Electronic Materials</i> , 2016 , 2,	6.4	3
24	Electrical spin polarization through spin-momentum locking in topological-insulator nanostructures. <i>Chinese Physics B</i> , 2018 , 27, 097307	1.2	3
23	Directed growth of graphene nanomesh in purified argon via chemical vapor deposition. <i>Nanotechnology</i> , 2017 , 28, 245604	3.4	2
22	The synthesis and electrical transport of ligand-protected Au ₁₃ clusters. <i>European Physical Journal D</i> , 2017 , 71, 1	1.3	2
21	Structures and polarizabilities of medium-sized GaAs _m clusters. <i>Chemical Physics Letters</i> , 2011 , 511, 97-100	2.5	2
20	Nanojets from the heated PbO-coated Pb clusters and its ambient sensitivity. <i>Applied Physics Letters</i> , 2006 , 89, 193104	3.4	2
19	ION SPUTTERING NANOSTRUCTURING CRYSTALLINE MgF ₂ SURFACE AND ITS ENERGY-DEPENDENT SURFACE ROUGHNESS. <i>Modern Physics Letters B</i> , 2005 , 19, 157-162	1.6	2
18	A van der Waals heterostructure based on nickel telluride and graphene with spontaneous high-frequency photoresponse. <i>Applied Physics Letters</i> , 2022 , 120, 063501	3.4	2
17	Charge Carrier Mediation and Ferromagnetism induced in MnBi ₆ Te ₁₀ Magnetic Topological Insulators by antimony doping. <i>Journal Physics D: Applied Physics</i> ,	3	2
16	Synthesis of Au doped Ag nanoclusters and the doping effect of Au atoms on their physical and optical properties. <i>Materials Research Express</i> , 2020 , 7, 016506	1.7	2
15	Plasmonic evolution of atomically size-selected Au clusters by electron energy loss spectrum.. <i>National Science Review</i> , 2021 , 8, nwaa282	10.8	2
14	Observations of nodal lines in the topological semimetal ZrSnTe. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	2
13	A comprehensive ARPES study on the type-II Dirac semimetal candidate Ir _{1-x} PtxTe ₂ . <i>APL Materials</i> , 2020 , 8, 061106	5.7	1
12	Probing plasmon resonances of individual aluminum nanoparticles. <i>Modern Physics Letters B</i> , 2018 , 32, 1850032	1.6	1
11	First-principles study of native defects in bulk Sm ₂ CuO ₄ and its (001) surface structure. <i>Journal of Applied Physics</i> , 2018 , 123, 161504	2.5	1

10	Experimental observation on a temperature-induced decoupling between the surface states in topological insulator nanoplates $\text{Bi}_{20.15}(\text{TeSe})_{3+0.15}$. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	1
9	Scaling the dynamic electron scattering in imaging the graphene sheets by the high-angle annular dark-field microscopy. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 6494-8	1.3	1
8	Coexistence of ferromagnetism and topology by charge carrier engineering in the intrinsic magnetic topological insulator MnBi_4Te_7 . <i>Physical Review B</i> , 2021 , 104,	3.3	1
7	Temperature-dependent growth of topological insulator Bi_2Se_3 for nanoscale fabrication. <i>AIP Advances</i> , 2020 , 10, 115202	1.5	
6	Emergent Ferromagnetism: Direct Demonstration of the Emergent Magnetism Resulting from the Multivalence Mn in a LaMnO_3 Epitaxial Thin Film System (Adv. Electron. Mater. 6/2018). <i>Advanced Electronic Materials</i> , 2018 , 4, 1870030	6.4	
5	Obvious temperature difference along a pb cluster-decorated carbon nanowire. <i>Nanoscale Research Letters</i> , 2009 , 5, 138-42	5	
4	FORMATION AND FIELD EMISSION CHARACTERISTICS OF AMORPHOUS AND CRYSTALLINE Si NANOARRAYS. <i>Surface Review and Letters</i> , 2007 , 14, 543-546	1.1	
3	DEPOSITION AND CHARACTERIZATION OF SEVERAL-LAYER Pb CLUSTER FILMS. <i>International Journal of Modern Physics B</i> , 2005 , 19, 2633-2638	1.1	
2	Beam generation and structural optimization of size-selected Au_{923} clusters. <i>Nanoscale Advances</i> , 2020 , 2, 2720-2725	5.1	
1	Superconductivity: Long-Range Ordered Amorphous Atomic Chains as Building Blocks of a Superconducting Quasi-One-Dimensional Crystal (Adv. Mater. 38/2020). <i>Advanced Materials</i> , 2020 , 32, 2070289	2.4	