

Xuebin Zhu

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#	Paper	IF	Citations
209	2D/2D 1T-MoS ₂ /Ti ₃ C ₂ MXene Heterostructure with Excellent Supercapacitor Performance. <i>Advanced Functional Materials</i> , 2020 , 30, 0190302	15.6	126
208	Heterostructures of Ni _{1-x} Co _x Al layered double hydroxide assembled on V ₄ C ₃ MXene for high-energy hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 2291-2300	13	93
207	Highly Ambient-Stable 1T-MoS and 1T-WS by Hydrothermal Synthesis under High Magnetic Fields. <i>ACS Nano</i> , 2019 , 13, 1694-1702	16.7	89
206	Tricritical behavior of the two-dimensional intrinsically ferromagnetic semiconductor CrGeTe ₃ . <i>Physical Review B</i> , 2017 , 95,	3.3	73
205	Extremely large magnetoresistance in the type-II Weyl semimetal MoTe ₂ . <i>Physical Review B</i> , 2016 , 94,	3.3	73
204	Electrical, optical and structural properties of CuCrO ₂ films prepared by pulsed laser deposition. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 4910-4915	3	72
203	Multiferroic properties of Aurivillius phase Bi ₆ Fe ₂ Co _x Ti ₃ O ₁₈ thin films prepared by a chemical solution deposition route. <i>Applied Physics Letters</i> , 2012 , 101, 122402	3.4	70
202	Glucose-Induced Synthesis of 1T-MoS /C Hybrid for High-Rate Lithium-Ion Batteries. <i>Small</i> , 2019 , 15, e1805420	11	69
201	Magnetic and dielectric properties of Aurivillius phase Bi ₆ Fe ₂ Ti ₃ O ₁₈ and the doped compounds. <i>Applied Physics Letters</i> , 2012 , 101, 012402	3.4	67
200	Synthesis and lithium ion storage performance of two-dimensional V ₄ C ₃ MXene. <i>Chemical Engineering Journal</i> , 2019 , 373, 203-212	14.7	56
199	Two-dimensional V ₄ C ₃ MXene as high performance electrode materials for supercapacitors. <i>Electrochimica Acta</i> , 2019 , 307, 414-421	6.7	55
198	Structural, magnetic, and EPR studies of the Aurivillius phase Bi ₆ Fe ₂ Ti ₃ O ₁₈ and Bi ₆ FeCrTi ₃ O ₁₈ . <i>Physical Review B</i> , 2012 , 86,	3.3	53
197	Ultrahigh energy storage in lead-free BiFeO ₃ /Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin film capacitors by solution processing. <i>Applied Physics Letters</i> , 2018 , 112, 033904	3.4	52
196	Thickness-Dependent Dielectric, Ferroelectric, and Magnetodielectric Properties of BiFeO ₃ Thin Films Derived by Chemical Solution Deposition. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 538-544	2.8	52
195	Role of rare earth ions in the magnetic, magnetocaloric and magnetoelectric properties of RCrO ₃ (R = Dy, Nd, Tb, Er) crystals. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 11198-11204	7.1	50
194	Manipulation of type-I and type-II Dirac points in PdTe ₂ superconductor by external pressure. <i>Physical Review B</i> , 2017 , 96,	3.3	48
193	Magnetic and dielectric properties of Aurivillius phase Bi ₆ Fe ₂ Ti ₃ N _x Nb _x Co _x O ₁₈ (0 ≤ x ≤ 0.4). <i>Applied Physics Letters</i> , 2014 , 104, 062413	3.4	47

192	Construction of hierarchical VC-MXene/MoS/C nanohybrids for high rate lithium-ion batteries. <i>Nanoscale</i> , 2020 , 12, 1144-1154	7.7	47
191	Nature of charge density waves and superconductivity in $1T\bar{1}TaSe_2$. <i>Physical Review B</i> , 2016 , 94,	3.3	47
190	$Bi_{3.25}La_{0.75}Ti_3O_{12}$ thin film capacitors for energy storage applications. <i>Applied Physics Letters</i> , 2017 , 111, 183903	3.4	43
189	Phase Manipulating toward Molybdenum Disulfide for Optimizing Electromagnetic Wave Absorbing in Gigahertz. <i>Advanced Functional Materials</i> , 2021 , 31, 2011229	15.6	43
188	A High-Energy-Density Hybrid Supercapacitor with P-Ni(OH) @Co(OH) Core-Shell Heterostructure and Fe O Nanoneedle Arrays as Advanced Integrated Electrodes. <i>Small</i> , 2020 , 16, e2001974	11	40
187	Reversible room-temperature magnetocaloric effect with large temperature span in antiperovskite compounds $Ga_{1-x}CMn_{3+x}$ ($x=0, 0.06, 0.07, \text{ and } 0.08$). <i>Journal of Applied Physics</i> , 2009 , 105, 083907	2.5	39
186	Preparation and characterization of $CuAlO_2$ transparent thin films prepared by chemical solution deposition method. <i>Journal of Sol-Gel Science and Technology</i> , 2010 , 53, 641-646	2.3	37
185	Lead-free $A_2Bi_4Ti_5O_{18}$ thin film capacitors ($A = Ba \text{ and } Sr$) with large energy storage density, high efficiency, and excellent thermal stability. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 1888-1895	7.1	36
184	Critical behavior of two-dimensional intrinsically ferromagnetic semiconductor CrI_3 . <i>Applied Physics Letters</i> , 2018 , 112, 072405	3.4	35
183	Unveiling highly ambient-stable multilayered $1T-MoS_2$ towards all-solid-state flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19152-19160	13	35
182	3D Porous Honeycomb-Like $CoN-Ni_3N/N-C$ Nanosheets Integrated Electrode for High-Energy-Density Flexible Supercapacitor. <i>Advanced Functional Materials</i> , 2021 , 31, 2103073	15.6	35
181	Self-limited grain growth, dielectric, leakage and ferroelectric properties of nanocrystalline $BiFeO_3$ thin films by chemical solution deposition. <i>Acta Materialia</i> , 2013 , 61, 1739-1747	8.4	34
180	Good comprehensive performance of Laves phase $Hf_{1-x}Ta_xFe_2$ as negative thermal expansion materials. <i>Acta Materialia</i> , 2018 , 161, 258-265	8.4	33
179	Manipulating charge density waves in $1T\bar{1}TaS_2$ by charge-carrier doping: A first-principles investigation. <i>Physical Review B</i> , 2016 , 94,	3.3	32
178	Facile chemical solution synthesis of p-type delafossite Ag-based transparent conducting $AgCrO_2$ films in an open condition. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1885-1892	7.1	30
177	$La_{2/3}Sr_{1/3}VO_3$ Thin Films: A New p-Type Transparent Conducting Oxide with Very High Figure of Merit. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700476	6.4	30
176	Planar Hall effect in the type-II Weyl semimetal $TdMoTe_2$. <i>Physical Review B</i> , 2018 , 98,	3.3	29
175	Magnetocaloric effect and influence of Fe/Cr disorder on the magnetization reversal and dielectric relaxation in $RFe_{0.5}Cr_{0.5}O_3$ systems. <i>Applied Physics Letters</i> , 2017 , 110, 192904	3.4	28

174	Energy storage properties in BaTiO ₃ -Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin films. <i>Applied Physics Letters</i> , 2018 , 113, 183902	3.4	25
173	Anisotropic magnetic entropy change in the hard ferromagnetic semiconductor VI ₃ . <i>Physical Review B</i> , 2019 , 100,	3.3	22
172	Evolution of structure and ferroelectricity in Aurivillius Bi ₄ Bi _n FenTi ₃ O _{3n+3} thin films. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 8618-8627	7.1	22
171	Enhanced remnant polarization in ferroelectric Bi ₆ Fe ₂ Ti ₃ O ₁₈ thin films. <i>CrystEngComm</i> , 2015 , 17, 1609-1614	3.6	21
170	Structural, magnetic and dielectric properties of the Aurivillius phase Bi ₆ Fe ₂ MnxTi ₃ O ₁₈ (0 ≤ x ≤ 0.8). <i>RSC Advances</i> , 2014 , 4, 46704-46709	3.7	20
169	Size Effects on Magnetic Properties of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ Prepared by Sol-Gel Method. <i>Advances in Materials Science and Engineering</i> , 2013 , 2013, 1-10	1.5	20
168	Enhanced Thermoelectric Properties in Cu-Doped c-Axis-Oriented Ca ₃ Co ₄ O ₉ Thin Films. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 2396-2401	3.8	20
167	Annealing Effects on Semitransparent and Ferromagnetic ZnFe ₂ O ₄ Nanostructured Films by Sol-Gel. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 2872-2877	3.8	20
166	Capacitance improvements of V ₄ C ₃ T by NH ₃ annealing. <i>Journal of Alloys and Compounds</i> , 2019 , 784, 923-930	5.7	20
165	Magnetic, dielectric properties, and scaling behaviors of Aurivillius compounds Bi ₆ Fe ₂ Ti ₃ O ₁₈ (WCo) _x O ₁₈ (0 ≤ x ≤ 0.15). <i>Journal of Applied Physics</i> , 2015 , 117, 114101	2.5	19
164	BiFeO ₃ (00l)/LaNiO ₃ /Si thin films with enhanced polarization: an all-solution approach. <i>RSC Advances</i> , 2016 , 6, 78629-78635	3.7	19
163	Optimization of Rate Capability and Cyclability Performance in Li VO Anode Material through Ca Doping. <i>Chemistry - A European Journal</i> , 2017 , 23, 16338-16345	4.8	19
162	The observation of a positive magnetoresistance and close correlation among lattice, spin, and charge around TC in antiperovskite SnCMn ₃ . <i>Journal of Applied Physics</i> , 2009 , 106, 013906	2.5	19
161	Magnetic and microwave absorption properties of W-type Ba(ZnxCo _{1-x}) ₂ Fe ₁₆ O ₂₇ hexaferrite platelets. <i>Journal of Applied Physics</i> , 2011 , 109, 07E536	2.5	19
160	Solution processing of transparent conducting epitaxial La:BaSnO ₃ films with improved electrical mobility. <i>Applied Physics Letters</i> , 2015 , 106, 101906	3.4	18
159	Annealing temperature effects on (111)-oriented BiFeO ₃ thin films deposited on Pt/Ti/SiO ₂ /Si by chemical solution deposition. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 10742-10747	7.1	18
158	Enhanced mechanical properties and large magnetocaloric effect in epoxy-bonded Mn _{0.98} CoGe. <i>Scripta Materialia</i> , 2018 , 150, 96-100	5.6	18
157	The enhanced cycling stability and rate capability of sodium-modified Li ₃ VO ₄ anode material for lithium-ion batteries. <i>Solid State Ionics</i> , 2018 , 322, 30-38	3.3	18

156	Strong Electron-Phonon Coupling in the Excitonic Insulator TaNiSe. <i>Inorganic Chemistry</i> , 2019 , 58, 9036-9042	5.8	18
155	Transparent conducting p-type thin films of c-axis self-oriented Bi _{1-x} Co _x O ₃ (y) with high figure of merit. <i>Chemical Communications</i> , 2014 , 50, 9697-9	5.8	17
154	Thickness Dependence of Dielectric, Leakage, and Ferroelectric Properties of Bi ₆ Fe ₂ Ti ₃ O ₁₈ Thin Films Derived by Chemical Solution Deposition. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 3857-3863	3.8	17
153	Exchange bias in the layered cobaltite Sr _{1.5} Pr _{0.5} CoO ₄ . <i>Journal of Applied Physics</i> , 2008 , 104, 023914	2.5	17
152	Structure modulation induced enhancement of microwave absorption in WS ₂ nanosheets. <i>Applied Physics Letters</i> , 2018 , 113, 243102	3.4	17
151	Strain- and carrier-tunable magnetic properties of a two-dimensional intrinsically ferromagnetic semiconductor: CoBr ₂ monolayer. <i>Physical Review B</i> , 2019 , 99,	3.3	16
150	Improved ferroelectric polarization of V-doped Bi ₆ Fe ₂ Ti ₃ O ₁₈ thin films prepared by a chemical solution deposition. <i>Journal of Applied Physics</i> , 2015 , 117, 244105	2.5	16
149	Influence of La doping on the properties of molybdenum perovskite Sr _{1-x} La _x MoO ₃ (0 ≤ x ≤ 0.2). <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 1331-1336	1.3	16
148	Magneto-acceleration of Ostwald ripening in hollow Fe ₃ O ₄ nanospheres. <i>CrystEngComm</i> , 2016 , 18, 6134-6137	3.9	16
147	Three-Dimensional Porous Hierarchically Architected Li ₃ VO ₄ Anode Materials for High-Performance Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 354-362	6.1	16
146	Manipulating superconductivity of 1T-TiTe ₂ by high pressure. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4167-4173	7.1	15
145	Observation of the large orbital entropy in Zn-doped orbital-spin-coupled system MnV ₂ O ₄ . <i>Applied Physics Letters</i> , 2010 , 96, 062506	3.4	15
144	The contribution of narrow band and modulation of thermoelectric performance in doped layered cobaltites Bi ₂ Sr ₂ Co ₂ O _y . <i>Applied Physics Letters</i> , 2012 , 100, 173503	3.4	15
143	Vertical La _{0.7} Ca _{0.3} MnO ₃ nanorods tailored by high magnetic field assisted pulsed laser deposition. <i>Scientific Reports</i> , 2016 , 6, 19483	4.9	15
142	Chemical Solution Route for High-Quality Multiferroic BiFeO ₃ Thin Films. <i>Small</i> , 2021 , 17, e1903663	11	15
141	Temperature-Induced Lifshitz Transition and Possible Excitonic Instability in ZrSiSe. <i>Physical Review Letters</i> , 2020 , 124, 236601	7.4	14
140	Enhancement of Low-field Magnetoresistance in Self-Assembled Epitaxial La _{0.67} Ca _{0.33} MnO ₃ :NiO and La _{0.67} Ca _{0.33} MnO ₃ :Co ₃ O ₄ Composite Films via Polymer-Assisted Deposition. <i>Scientific Reports</i> , 2016 , 6, 26390	4.9	14
139	Structural, magnetic, and dielectric properties of W/Cr co-substituted Aurivillius Bi ₅ FeTi ₃ O ₁₅ . <i>Journal of Alloys and Compounds</i> , 2017 , 726, 1040-1046	5.7	14

- 138 Multiferric property, dielectric response, and scaling behavior in Aurivillius Bi₄.₂₅Gd_{0.75}Fe_{0.5}Co_{0.5}Ti₃O₁₅ ceramic. *Journal of Alloys and Compounds*, **2017**, 695, 2556-2562 5.7 14
- 137 Spin-orbit coupling enhanced superconductivity in Bi-rich compounds ABi₂A (A = Sr and Ba). *Scientific Reports*, **2016**, 6, 21484 4.9 14
- 136 Anomalous Hall effect of the quasi-two-dimensional weak itinerant ferromagnet Cr₄.₁₄Te₈. *Europhysics Letters*, **2018**, 124, 67005 1.6 14
- 135 Room-temperature angular-dependent topological Hall effect in chiral antiferromagnetic Weyl semimetal Mn₃Sn. *Applied Physics Letters*, **2019**, 115, 102404 3.4 13
- 134 Superconductivity in CaSn₃ single crystals with a AuCu₃-type structure. *Journal of Materials Chemistry C*, **2015**, 3, 11432-11438 7.1 13
- 133 Magnetoelectric and Raman spectroscopic studies of monocrystalline MnCr₂O₄. *Physical Review B*, **2018**, 97, 3.3 13
- 132 BiFeO₃ thin films prepared on metallic Ni tapes by chemical solution deposition: effects of annealing temperature and a La_{0.5}Sr_{0.5}TiO₃ buffer layer on the dielectric, ferroelectric and leakage properties. *RSC Advances*, **2014**, 4, 32738-32743 3.7 13
- 131 Room temperature multiferrocity and magnetodielectric properties of ternary (1-x)(0.94Bi_{0.5}Na_{0.5}TiO₃-0.06BaTiO₃)-xBiFeO₃ (0 ≤ x ≤ 0.9) solid solutions. *Applied Physics Letters*, **2017**, 111, 112902 3.4 13
- 130 Sodium Doping Effects on Layered Cobaltate Bi₂Sr₂Co₂O_y Thin Films. *Journal of the American Ceramic Society*, **2014**, 97, 1841-1845 3.8 13
- 129 Thermal history dependent photoconductivity in Pr_{0.5}Sr_{0.5}MnO₃ thin film. *Journal of Applied Physics*, **2009**, 106, 083903 2.5 13
- 128 Laser crystallized sandwich-like MXene/Fe₃O₄/MXene thin film electrodes for flexible supercapacitors. *Journal of Power Sources*, **2021**, 497, 229882 8.9 13
- 127 Improved Electrochemical Performance of Ultrathin MoS₂ Nanosheet/Co Composites for Lithium-Ion Battery Anodes. *ChemElectroChem*, **2019**, 6, 1930-1938 4.3 12
- 126 Self-assembled c-axis oriented antiperovskite soft-magnetic CuNCo₃ thin films by chemical solution deposition. *Journal of Materials Chemistry C*, **2015**, 3, 4438-4444 7.1 12
- 125 Achieving Macroscopic VCT MXene by Selectively Etching Al from VAIC Single Crystals. *Inorganic Chemistry*, **2020**, 59, 3239-3248 5.1 12
- 124 The effects of quenching on electrical properties, and leakage behaviors of 0.67BiFeO₃0.33BaTiO₃ solid solutions. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 7311-7317 2.1 12
- 123 Modified electrical properties of chemical solution deposited epitaxial BiFeO₃ thin films by Mn substitution. *Ceramics International*, **2018**, 44, 11658-11664 5.1 12
- 122 Ni doping dependent dielectric, leakage, ferroelectric and magnetic properties in Bi₇Fe₃0.1NixTi₃O₂₁ thin films. *Applied Surface Science*, **2018**, 440, 484-490 6.7 12
- 121 Magnetic and microwave absorption properties of Ni_{1-x}Zn_xFe₂O₄ nanocrystalline synthesized by sol-gel method. *Science China Technological Sciences*, **2013**, 56, 13-19 3.5 12

120	Chemical Solution Deposition of Transparent and Metallic La _{0.5} Sr _{0.5} TiO _{3+x/2} Films Using Topotactic Reduction. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 800-804	3.8	12
119	Influence of carbon intercalation on the structural and magnetic properties of Ni ₃ Al. <i>Physica B: Condensed Matter</i> , 2006 , 371, 63-67	2.8	12
118	Design strategy for p-type transparent conducting oxides. <i>Journal of Applied Physics</i> , 2020 , 128, 140902	2.5	12
117	Enhanced multiferroicity and narrow band gap in B-site Co-doped Aurivillius Bi ₅ FeTi ₃ O ₁₅ . <i>Ceramics International</i> , 2019 , 45, 137-143	5.1	12
116	Solution-Processable Epitaxial Metallic Delafossite Oxide Films. <i>Advanced Functional Materials</i> , 2020 , 30, 2002375	15.6	12
115	Origin of the extremely large magnetoresistance in topological semimetal PtSn ₄ . <i>Physical Review B</i> , 2018 , 97,	3.3	12
114	Facile chemical solution deposition of nanocrystalline CrN thin films with low magnetoresistance. <i>RSC Advances</i> , 2014 , 4, 12568-12571	3.7	11
113	Structural, magnetic and dielectric properties of La ₂ NiMnO ₆ thin film by chemical solution deposition method. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 61, 224-228	2.3	11
112	Individual-Layer Thickness Effects on the Preferred c-Axis-Oriented BiFeO ₃ Films by Chemical Solution Deposition. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 1682	3.8	11
111	Photoinduced Broad-band Tunable Terahertz Absorber Based on a VO Thin Film. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 48811-48819	9.5	11
110	Origin of the structural phase transition in single-crystal TaTe ₂ . <i>Physical Review B</i> , 2018 , 98,	3.3	11
109	Magnetic-field guided solvent vapor annealing for enhanced molecular alignment and carrier mobility of a semiconducting diketopyrrolopyrrole-based polymer. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 4477-4485	7.1	10
108	Comparative study of the structural, optical, and electrical properties of CuAlO ₂ thin films on Al ₂ O ₃ and YSZ substrates via chemical solution deposition. <i>Journal of Sol-Gel Science and Technology</i> , 2011 , 58, 12-17	2.3	10
107	Synthesis and characterization of self-assembled c-axis oriented Bi ₂ Sr ₃ Co ₂ O _(y) thin films by the sol-gel method. <i>Dalton Transactions</i> , 2011 , 40, 9544-50	4.3	10
106	Mn doping-induced semiconducting behavior in the perovskite molybdates SrMo _{1-x} MnxO ₃ (0 ≤ x ≤ 0.20). <i>Journal of Applied Physics</i> , 2007 , 102, 103903	2.5	10
105	Acceleration of Kirkendall effect processes in silicon nanospheres using magnetic fields. <i>CrystEngComm</i> , 2018 , 20, 710-715	3.3	9
104	Anomalous Hall effect in two-dimensional non-collinear antiferromagnetic semiconductor Cr _{0.68} Se. <i>Applied Physics Letters</i> , 2017 , 111, 022401	3.4	9
103	Development of a high magnetic field assisted pulsed laser deposition system. <i>Review of Scientific Instruments</i> , 2015 , 86, 095105	1.7	9

102	Growth, Microstructures, and Optoelectronic Properties of Epitaxial BaSn _{1-x} SbxO ₃ Thin Films by Chemical Solution Deposition. <i>ACS Applied Energy Materials</i> , 2018 , 1, 1585-1593	6.1	8
101	Annealing temperature effects on Bi ₆ Fe ₂ Ti ₃ O ₁₈ /LaNiO ₃ /Si thin films by an all-solution approach. <i>Journal of Alloys and Compounds</i> , 2017 , 694, 489-496	5.7	8
100	Critical behavior of the spinel CdCr ₂ S ₄ . <i>Journal of Applied Physics</i> , 2009 , 106, 113920	2.5	8
99	Magneto-Electrodeposition of 3D Cross-Linked NiCo-LDH for Flexible High-Performance Supercapacitors.. <i>Small Methods</i> , 2022 , e2101320	12.8	8
98	Unipolar resistive switching characteristics and scaling behaviors in La ₂ Mo ₂ O ₉ thin films for nonvolatile memory applications. <i>Journal of Applied Physics</i> , 2016 , 120, 215303	2.5	8
97	Flexible ultrahigh energy storage density in lead-free heterostructure thin-film capacitors. <i>Applied Physics Letters</i> , 2019 , 115, 243901	3.4	8
96	Energy storage in BaBi ₄ Ti ₄ O ₁₅ thin films with high efficiency. <i>Journal of Applied Physics</i> , 2019 , 125, 134101	2.5	7
95	Electric dipoles via Cr ³⁺ (d ³) ion off-center displacement in perovskite DyCrO ₃ . <i>Physical Review B</i> , 2018 , 98,	3.3	7
94	Exploring High-Performance p-Type Transparent Conducting Oxides Based on Electron Correlation in V ₂ O ₃ Thin Films. <i>Physical Review Applied</i> , 2019 , 12,	4.3	7
93	Ferrimagnetic and spin-glass transition in the Aurivillius compound SrBi ₅ Ti ₄ Cr _{0.5} Co _{0.5} O ₁₈ . <i>Journal of Applied Physics</i> , 2015 , 117, 233906	2.5	7
92	Effects of Co doping on structural, magnetic, and electrical properties of 0.6BiFeO ₃ -0.4(Bi _{0.5} K _{0.5})TiO ₃ solid solution. <i>Journal of Alloys and Compounds</i> , 2018 , 730, 119-126	5.7	6
91	Edge-controlled half-metallic ferromagnetism and direct-gap semiconductivity in ZrS ₂ nanoribbons. <i>RSC Advances</i> , 2017 , 7, 33408-33412	3.7	6
90	Search for long-range ferromagnetism: Charge-spin co-doped Ba _{1-x} Lax+yTi _{1-x} MxO ₃ (M = Cr, Fe, and Co). <i>Journal of Applied Physics</i> , 2013 , 113, 063902	2.5	6
89	Structural, piezoelectric, multiferroic and magnetoelectric properties of (1-x)BiFeO ₃ -xBa _{1-y} Sr _y TiO ₃ solid solutions. <i>Journal of Electroceramics</i> , 2020 , 44, 256-264	1.5	6
88	Low Thermal Expansion Modulated by Off-Stoichiometric Effect in Nonstoichiometric Laves Phase HfTaFe Compounds. <i>Inorganic Chemistry</i> , 2019 , 58, 16818-16822	5.1	6
87	Porous Fe ₃ O ₄ thin films by pulsed laser assisted chemical solution deposition at room temperature. <i>Applied Surface Science</i> , 2019 , 478, 408-411	6.7	5
86	Rationally designed three-dimensional porous NiCo ₂ N@C reticular structure for high-performance Li-ion batteries. <i>Scripta Materialia</i> , 2020 , 186, 104-108	5.6	5
85	Influence of La/Mn substitutions on magnetic properties of M-type strontium hexaferrites. <i>AIP Advances</i> , 2018 , 8, 056235	1.5	5

84	Enhanced electrochemical performance of Li _{1.2} Ni _{0.2} Mn _{0.6} O ₂ cathode materials through facile layered/spinel phase tuning. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 2587-2596	2.6	5
83	p-type transparent conductivity in high temperature superconducting Bi-2212 thin films. <i>Applied Physics Letters</i> , 2018 , 112, 251109	3.4	5
82	Surface modification effects on coercivity of the CoFe ₂ O ₄ thin films with different thickness La _{0.7} Sr _{0.3} MnO ₃ layers. <i>Journal of Applied Physics</i> , 2017 , 121, 245305	2.5	5
81	Rate Performance Modification of a Lithium-Rich Manganese-Based Material through Surface Self-Doping and Coating Strategies. <i>Langmuir</i> , 2021 , 37, 3223-3230	4	5
80	NiCo ₂ N hollow sphere with interconnected nanosheets shell: A potential anode material for high performance lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 425, 130607	14.7	5
79	Solvothermal Synthesis of Porous MnF ₂ Hollow Spheroids as Anode Materials for Sodium-/Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2019 , 6, 2726-2732	4.3	4
78	Facile solvothermal preparation of nanostructured MnF ₂ as outstanding anode materials for lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 840, 237-241	4.1	4
77	Synthesis and Physical Properties of Antiperovskite CuNFe ₃ Thin Films via Solution Processing for Room Temperature Soft-Magnets. <i>Coatings</i> , 2020 , 10, 270	2.9	4
76	Design of flexible inorganic BiFe _{0.93} Mn _{0.07} O ₃ ferroelectric thin films for nonvolatile memory. <i>Journal of Materiomics</i> , 2020 , 6, 600-606	6.7	4
75	Evolution of structure and electrical properties of epitaxial BiFeO ₃ thin films through solution and annealing atmosphere. <i>Journal of Alloys and Compounds</i> , 2020 , 843, 155910	5.7	4
74	Superconducting and Topological Properties in Centrosymmetric PbTaS ₂ Single Crystals. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 6349-6355	3.8	4
73	Structure, magnetic, electrical and thermal transport properties of Dy-doped Ca ₃ Co ₂ O ₆ ceramics. <i>Ceramics International</i> , 2016 , 42, 8955-8961	5.1	4
72	Retention Characteristics of Five-Layered Aurivillius Films With Large Polarization. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017 , 11, 1700278	2.5	4
71	Structure, magnetic properties, and electrical transport in layered cobaltites Sr _{2-x} Pr _x CoO ₄ . <i>Journal of Applied Physics</i> , 2008 , 103, 103707	2.5	4
70	Solution Processable CrN Thin Films: Thickness-Dependent Electrical Transport Properties. <i>Materials</i> , 2020 , 13,	3.5	4
69	The giant planar Hall effect and anisotropic magnetoresistance in Dirac node arcs semimetal PtSn. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 315702	1.8	4
68	Magnetic anisotropy and anomalous Hall effect in monoclinic single crystal Cr ₅ Te ₈ . <i>Physical Review B</i> , 2020 , 102,	3.3	4
67	Chiral charge density waves induced by Ti-doping in 1T-TaS ₂ . <i>Applied Physics Letters</i> , 2021 , 118, 213105	3.4	4

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60	Energy storage properties in SrTiO ₃ Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin films. <i>Journal of Alloys and Compounds</i> , 2019 , 799, 66-70	5.7	3
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55	Dual surfactants applied in synthesis of MoSe ₂ for high-efficiency hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2021 , 863, 158092	5.7	3
54	Effects of La doping on structural, magnetic, and ferroelectric properties of Aurivillius Bi ₆ Fe _{1.4} Co _{0.6} Ti ₃ O ₁₈ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 20133-20140	2.1	3
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44	Observation of spin glass behavior in Ba _{0.8} La _{0.2} Ti _{0.8} Co _{0.2} O ₃ . <i>European Physical Journal B</i> , 2012 , 85, 1	1.2	2
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41	p-Type Near-Infrared Transparent Delafossite Thin Films with Ultrahigh Conductivity. <i>Advanced Optical Materials</i> , 2102559	8.1	2
40	Magnetic field induced formation of ferroelectric β phase of poly (vinylidene fluoride). <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	2
39	Origin of the large magnetoresistance in the candidate chiral superconductor 4Hb _{1-x} Ta ₂ S ₂ . <i>Physical Review B</i> , 2020 , 102,	3.3	2
38	Unveiling the mechanisms of metal-insulator transitions in V ₂ O ₃ : The role of trigonal distortion. <i>Physical Review B</i> , 2021 , 103,	3.3	2
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21	Retainable Superconductivity and Structural Transition in 1T-TaSe Under High Pressure. <i>Inorganic Chemistry</i> , 2021 , 60, 11385-11393	5.1	1
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19	Negative and positive photodielectric effects in quantum paraelectric BaFe_2O_9 single crystals. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12707-12713	7.1	1
18	Realization of high-purity 1T-MoS ₂ by hydrothermal synthesis through synergistic effect of nitric acid and ethanol for supercapacitors. <i>Journal of Materials Science and Technology</i> , 2022 , 123, 34-40	9.1	1
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| 11 | Backward Diode Rectifying Behavior in AgCrO ₂ /In ₂ O ₃ . <i>IEEE Electron Device Letters</i> , 2020 , 41, 541-544 | 4.4 | |
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| 7 | Dielectric Enhancement Effect in (Ba _{0.7} Sr _{0.3} TiO ₃ /Ba _{0.5} Sr _{0.5} TiO ₃) _n (n = 1,2,3,4) Multilayered Thin Films Deposited by Chemical Solution Deposition Method. <i>Integrated Ferroelectrics</i> , 2012 , 135, 94-102 | 0.8 | |
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| 4 | Quantum paraelectricity to dipolar glass transition in Sc doped BaFe ₁₂ O ₁₉ single crystals. <i>Applied Physics Letters</i> , 2019 , 115, 262902 | 3.4 | |
| 3 | Pressure-Induced Electronic and Structural Transition in Nodal-Line Semimetal ZrSiSe. <i>Inorganic Chemistry</i> , 2021 , 60, 11140-11146 | 5.1 | |
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| 1 | Structural, magnetic, electrical and optical properties of Aurivillius phase Bi ₆ Fe _{1.5} Co _{0.5} Ti ₃ -W O ₁₈ (0.07) ceramics. <i>Journal of Alloys and Compounds</i> , 2022 , 906, 164393 | 5.7 | |