

Xuebin Zhu

List of Publications by Year in descending order

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218
papers

5,266
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94269

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times ranked

6104
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 2D/2D 1T-MoS ₂ /Ti ₃ C ₂ MXene Heterostructure with Excellent Supercapacitor Performance. <i>Advanced Functional Materials</i> , 2020, 30, 0190302. | 7.8 | 241 |
| 2 | Heterostructures of Ni-Co-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. | 5.2 | 154 |
| 3 | Phase Manipulating toward Molybdenum Disulfide for Optimizing Electromagnetic Wave Absorbing in Gigahertz. <i>Advanced Functional Materials</i> , 2021, 31, 2011229. | 7.8 | 141 |
| 4 | Glucose-Induced Synthesis of 1T-MoS ₂ /C Hybrid for High-Rate Lithium-Ion Batteries. <i>Small</i> , 2019, 15, e1805420. | 5.2 | 138 |
| 5 | Synthesis and lithium ion storage performance of two-dimensional V ₄ C ₃ MXene. <i>Chemical Engineering Journal</i> , 2019, 373, 203-212. | 6.6 | 136 |
| 6 | Highly Ambient-Stable 1T-MoS ₂ and 1T-WS ₂ by Hydrothermal Synthesis under High Magnetic Fields. <i>ACS Nano</i> , 2019, 13, 1694-1702. | 7.3 | 131 |
| 7 | Two-dimensional V ₄ C ₃ MXene as high performance electrode materials for supercapacitors. <i>Electrochimica Acta</i> , 2019, 307, 414-421. | 2.6 | 119 |
| 8 | Tricritical behavior of the two-dimensional intrinsically ferromagnetic semiconductor CrGeTe_3 . <i>Physical Review B</i> , 2017, 95, . | 1.1 | 103 |
| 9 | Extremely large magnetoresistance in the type-II Weyl semimetal Mo_5Te_8 . <i>Physical Review B</i> , 2016, 94, . | | |
| 10 | 3D Porous Honeycomb-Like Co-Ni ₃ N Nanosheets Integrated Electrode for High-Energy-Density Flexible Supercapacitor. <i>Advanced Functional Materials</i> , 2021, 31, 2103073. | 7.8 | 99 |
| 11 | 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. | 2.7 | 85 |
| 12 | A High-Energy-Density Hybrid Supercapacitor with P-Ni(OH) ₂ @Co(OH) ₂ Core-Shell Heterostructure and Fe ₂ O ₃ Nanoneedle Arrays as Advanced Integrated Electrodes. <i>Small</i> , 2020, 16, e2001974. | 5.2 | 84 |
| 13 | Construction of hierarchical V ₄ C ₃ -MXene/MoS ₂ /C nanohybrids for high rate lithium-ion batteries. <i>Nanoscale</i> , 2020, 12, 1144-1154. | 2.8 | 81 |
| 14 | 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. | 1.3 | 78 |
| 15 | Nature of charge density waves and superconductivity in Bi_2Te_3 . <i>Physical Review B</i> , 2016, 94, . | | |
| 16 | Multiferroic properties of Aurivillius phase Bi ₆ Fe ₂ CoTi ₃ O ₁₈ thin films prepared by a chemical solution deposition route. <i>Applied Physics Letters</i> , 2012, 101, 122402. | 1.5 | 74 |
| 17 | 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, . | 1.5 | 74 |
| 18 | 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, . | 1.5 | 72 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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. | 5.2 | 71 |
| 20 | 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. | 1.9 | 67 |
| 21 | Manipulation of type-I and type-II Dirac points in PdTe ₂ superconductor by external pressure. <i>Physical Review B</i> , 2017, 96, . | 1.1 | 62 |
| 22 | Good comprehensive performance of Laves phase Hf1-Ta Fe2 as negative thermal expansion materials. <i>Acta Materialia</i> , 2018, 161, 258-265. | 3.8 | 61 |
| 23 | Structural, magnetic, and EPR studies of the Aurivillius phase Bi ₆ Fe ₂ Ti ₃ O ₁₂ thin film capacitors for energy storage applications. <i>Applied Physics Letters</i> , 2017, 111, . | 1.1 | 58 |
| 24 | Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin film capacitors for energy storage applications. <i>Applied Physics Letters</i> , 2017, 111, . | 1.5 | 57 |
| 25 | Magnetic and dielectric properties of Aurivillius phase Bi ₆ Fe ₂ Ti ₃ À ² Nb _x Co _x O ₁₈ (0À ^{0.4}). <i>Applied Physics Letters</i> , 2014, 104, . | 1.5 | 55 |
| 26 | Planar Hall effect in the type-II Weyl semimetal T ₂ Cr ₂ Te ₅ . <i>Physical Review B</i> , 2018, 98, . | 1.1 | 54 |
| 27 | Lead-free A ₂ B ₄ Ti ₅ O ₁₈ thin film capacitors (A = Ba and Tj ETQq1 1 0.784314 rg). <i>Materials Chemistry C</i> , 2019, 7, 1888-1895. | 2.7 | 54 |
| 28 | Critical behavior of two-dimensional intrinsically ferromagnetic semiconductor CrI ₃ . <i>Applied Physics Letters</i> , 2018, 112, . | 1.5 | 47 |
| 29 | Magneto-Electrodeposition of 3D Cross-Linked NiCo-LDH for Flexible High-Performance Supercapacitors. <i>Small Methods</i> , 2022, 6, e2101320. | 4.6 | 47 |
| 30 | Laser crystallized sandwich-like MXene/Fe ₃ O ₄ /MXene thin film electrodes for flexible supercapacitors. <i>Journal of Power Sources</i> , 2021, 497, 229882. | 4.0 | 46 |
| 31 | 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. | 1.1 | 44 |
| 32 | 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. | 3.8 | 44 |
| 33 | Manipulating charge density waves in T ₂ Cr ₂ Te ₅ charge-carrier doping: A first-principles investigation. <i>Physical Review B</i> , 2016, 94, . | 1.1 | 43 |
| 34 | Reversible room-temperature magnetocaloric effect with large temperature span in antiperovskite compounds Ga _{1-x} CMn _{3+x} (x=, 0.06, 0.07, and 0.08). <i>Journal of Applied Physics</i> , 2009, 105, . | 1.1 | 41 |
| 35 | Magnetocaloric effect and influence of Fe/Cr disorder on the magnetization reversal and dielectric relaxation in R _{1-x} Fe _{0.5} Cr _{0.5} O ₃ systems. <i>Applied Physics Letters</i> , 2017, 110, . | 1.5 | 40 |
| 36 | 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. | 2.6 | 40 |

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|----|--|-----|-----------|
| 37 | Facile chemical solution synthesis of p-type delafossite Ag-based transparent conducting AgCrO ₂ films in an open condition. Journal of Materials Chemistry C, 2017, 5, 1885-1892. | 2.7 | 39 |
| 38 | Strain- and carrier-tunable magnetic properties of a two-dimensional intrinsically ferromagnetic semiconductor: CoBr_2 monolayer. Physical Review B, 2019, 99, . | 1.1 | 39 |
| 39 | Photoinduced Broad-band Tunable Terahertz Absorber Based on a VO ₂ Thin Film. ACS Applied Materials & Interfaces, 2020, 12, 48811-48819. | 4.0 | 39 |
| 40 | Energy storage properties in BaTiO ₃ -Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin films. Applied Physics Letters, 2018, 113, . | 1.5 | 38 |
| 41 | Chemical Solution Route for High-Quality Multiferroic BiFeO ₃ Thin Films. Small, 2021, 17, e1903663. | 5.2 | 38 |
| 42 | Capacitance improvements of V ₄ C ₃ T by NH ₃ annealing. Journal of Alloys and Compounds, 2019, 784, 923-930. | 2.8 | 36 |
| 43 | Evolution of structure and ferroelectricity in Aurivillius Bi ₄ Bi ₃ Fe ₃ Ti ₃ O _{3n+3} thin films. Journal of Materials Chemistry C, 2018, 6, 8618-8627. | 2.7 | 34 |
| 44 | Design strategy for p-type transparent conducting oxides. Journal of Applied Physics, 2020, 128, . | 1.1 | 34 |
| 45 | Temperature-Induced Lifshitz Transition and Possible Excitonic Instability in ZrSiSe. Physical Review Letters, 2020, 124, 236601. | 2.9 | 34 |
| 46 | Direct growth of porous vanadium nitride on carbon cloth with commercial-level mass loading for solid-state supercapacitors. Chemical Engineering Journal, 2022, 444, 136597. | 6.6 | 32 |
| 47 | Structure modulation induced enhancement of microwave absorption in WS ₂ nanosheets. Applied Physics Letters, 2018, 113, . | 1.5 | 30 |
| 48 | Achieving Macroscopic V ₄ C ₃ T MXene by Selectively Etching Al from V ₄ AlC ₃ Single Crystals. Inorganic Chemistry, 2020, 59, 3239-3248. | 1.9 | 30 |
| 49 | Strong Electron-Phonon Coupling in the Excitonic Insulator Ta ₂ NiSe ₅ . Inorganic Chemistry, 2019, 58, 9036-9042. | 1.9 | 29 |
| 50 | Anisotropic magnetic entropy change in the hard ferromagnetic semiconductor V_3I . Physical Review B, 2019, 100, . | 1.1 | 29 |
| 51 | Size Effects on Magnetic Properties of NiO . Advances in Materials Science and Engineering, 2013, 2013, 1-10. | 1.1 | 28 |
| 52 | The enhanced cycling stability and rate capability of sodium-modified Li ₃ VO ₄ anode material for lithium-ion batteries. Solid State Ionics, 2018, 322, 30-38. | 1.3 | 28 |
| 53 | Adjustable antiperovskite cobalt-based nitrides as efficient electrocatalysts for overall water splitting. Journal of Materials Chemistry A, 2022, 10, 15520-15527. | 5.2 | 28 |
| 54 | Optimization of Rate Capability and Cyclability Performance in Li ₃ VO ₄ Anode Material through Ca Doping. Chemistry - A European Journal, 2017, 23, 16338-16345. | 1.7 | 27 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Enhanced mechanical properties and large magnetocaloric effect in epoxy-bonded Mn _{0.98} CoGe. Scripta Materialia, 2018, 150, 96-100. | 2.6 | 27 |
| 56 | Annealing temperature effects on (111)-oriented BiFeO ₃ thin films deposited on Pt/Ti/SiO ₂ /Si by chemical solution deposition. Journal of Materials Chemistry C, 2015, 3, 10742-10747. | 2.7 | 26 |
| 57 | BiFeO ₃ (001)/LaNiO ₃ /Si thin films with enhanced polarization: an all-solution approach. RSC Advances, 2016, 6, 78629-78635. | 1.7 | 26 |
| 58 | Structural, magnetic, and dielectric properties of W/Cr co-substituted Aurivillius Bi ₅ FeTi ₃ O ₁₅ . Journal of Alloys and Compounds, 2017, 726, 1040-1046. | 2.8 | 26 |
| 59 | Annealing Effects on Semitransparent and Ferromagnetic ZnFe ₂ O ₄ Nanostructured Films by Sol-Gel. Journal of the American Ceramic Society, 2011, 94, 2872-2877. | 1.9 | 25 |
| 60 | Enhanced remnant polarization in ferroelectric Bi ₆ Fe ₂ Ti ₃ O ₁₈ thin films. CrystEngComm, 2015, 17, 1609-1614. | 1.3 | 25 |
| 61 | Room-temperature angular-dependent topological Hall effect in chiral antiferromagnetic Weyl semimetal Mn ₃ Sn. Applied Physics Letters, 2019, 115, . | 1.5 | 25 |
| 62 | Solution processing of transparent conducting epitaxial La:BaSnO ₃ films with improved electrical mobility. Applied Physics Letters, 2015, 106, 101906. | 1.5 | 24 |
| 63 | Magnetic, dielectric properties, and scaling behaviors of Aurivillius compounds Bi _{6-x} Fe ₂ Ti _{3-2x} O ₁₈ (0 ≤ x ≤ 0.15). Journal of Applied Physics, 2015, 117, . | 1.1 | 24 |
| 64 | Structural, magnetic and dielectric properties of the Aurivillius phase Bi _{6-x} Fe _{2x} Mn _x Ti ₃ O ₁₈ (0 ≤ x ≤ 0.8). RSC Advances, 2014, 4, 46704-46709. | 1.7 | 23 |
| 65 | Magnetic and microwave absorption properties of W-type Ba(ZnCo _{1-x}) ₂ Fe ₁₆ O ₂₇ hexaferrite platelets. Journal of Applied Physics, 2011, 109, . | 1.1 | 22 |
| 66 | Superconductivity in CaSn ₃ single crystals with a AuCu ₃ -type structure. Journal of Materials Chemistry C, 2015, 3, 11432-11438. | 2.7 | 22 |
| 67 | Anomalous Hall effect of the quasi-two-dimensional weak itinerant ferromagnet Cr _{4.14} Te ₈ . Europhysics Letters, 2018, 124, 67005. | 0.7 | 22 |
| 68 | Origin of the structural phase transition in single-crystal TaT ₂ . Physical Review B, 2018, 98, . | 1.1 | 22 |
| 69 | Metallic 1T-MoS ₂ coupled with MXene towards ultra-high rate-capabilities for supercapacitors. Journal of Materials Chemistry A, 2022, 10, 12258-12268. | 5.2 | 22 |
| 70 | Enhanced Thermoelectric Properties in Cu-Doped Ca ₃ Co ₄ O _{9+δ} Thin Films. Journal of the American Ceramic Society, 2013, 96, 2396-2401. | | 21 |
| 71 | Improved ferroelectric polarization of V-doped Bi ₆ Fe ₂ Ti ₃ O ₁₈ thin films prepared by a chemical solution deposition. Journal of Applied Physics, 2015, 117, . | 1.1 | 21 |
| 72 | Magneto-acceleration of Ostwald ripening in hollow Fe ₃ O ₄ nanospheres. CrystEngComm, 2016, 18, 6134-6137. | 1.3 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Origin of the extremely large magnetoresistance in topological semimetal PtSb_4 . Physical Review B, 2018, 97, . | 1.1 | 21 |
| 74 | Improved Electrochemical Performance of Ultrathin MoS_2 Nanosheet/Co Composites for Lithium-Ion Battery Anodes. ChemElectroChem, 2019, 6, 1930-1938. | 1.7 | 21 |
| 75 | Flexible ultrahigh energy storage density in lead-free heterostructure thin-film capacitors. Applied Physics Letters, 2019, 115, . | 1.5 | 21 |
| 76 | Solution-Processable Epitaxial Metallic Delafossite Oxide Films. Advanced Functional Materials, 2020, 30, 2002375. | 7.8 | 21 |
| 77 | The observation of a positive magnetoresistance and close correlation among lattice, spin, and charge around TC in antiperovskite SnMn_3 . Journal of Applied Physics, 2009, 106, . | 1.1 | 20 |
| 78 | The contribution of narrow band and modulation of thermoelectric performance in doped layered cobaltites $\text{Bi}_2\text{Sr}_2\text{Co}_2\text{O}_y$. Applied Physics Letters, 2012, 100, . | 1.5 | 20 |
| 79 | Spin-orbit coupling enhanced superconductivity in Bi-rich compounds ABi_3 (A = Sr and Ba). Scientific Reports, 2016, 6, 21484. | 1.6 | 20 |
| 80 | Exchange bias in the layered cobaltite $\text{Sr}_{1.5}\text{Pr}_{0.5}\text{CoO}_4$. Journal of Applied Physics, 2008, 104, 023914. | 1.1 | 19 |
| 81 | Manipulating superconductivity of 1T-TiTe_2 by high pressure. Journal of Materials Chemistry C, 2017, 5, 4167-4173. | 2.7 | 19 |
| 82 | Anomalous Hall effect in two-dimensional non-collinear antiferromagnetic semiconductor $\text{Cr}_{0.68}\text{Se}$. Applied Physics Letters, 2017, 111, . | 1.5 | 19 |
| 83 | The effects of quenching on electrical properties, and leakage behaviors of $0.67\text{BiFeO}_3\text{-}0.33\text{BaTiO}_3$ solid solutions. Journal of Materials Science: Materials in Electronics, 2018, 29, 7311-7317. | 1.1 | 19 |
| 84 | Growth, Microstructures, and Optoelectronic Properties of Epitaxial BaSnSb_3O Thin Films by Chemical Solution Deposition. ACS Applied Energy Materials, 2018, 1, 1585-1593. | 2.5 | 19 |
| 85 | Three-Dimensional Porous Hierarchically Architected Li_3VO_4 Anode Materials for High-Performance Lithium-Ion Batteries. ACS Applied Energy Materials, 2019, 2, 354-362. | 2.5 | 19 |
| 86 | Chiral charge density waves induced by Ti-doping in 1-TaS_2 . Applied Physics Letters, 2021, 118, . | 1.5 | 19 |
| 87 | Transparent conducting p-type thin films of c-axis self-oriented $\text{Bi}_2\text{Sr}_2\text{Co}_2\text{O}_y$ with high figure of merit. Chemical Communications, 2014, 50, 9697-9699. | 2.2 | 18 |
| 88 | Thickness Dependence of Dielectric, Leakage, and Ferroelectric Properties of $\text{Bi}_6\text{Fe}_2\text{Ti}_3\text{O}_{18}$ Thin Films Derived by Chemical Solution Deposition. Journal of the American Ceramic Society, 2014, 97, 3857-3863. | 1.9 | 18 |
| 89 | Magnetolectric and Raman spectroscopic studies of monocrystalline MnCr_2O_4 . Exploring High-Performance Transparent Conducting Oxides Based on Electron Correlation in p-Type Transparent Conducting Oxides Based on Electron Correlation in V_2O_5 . | 1.1 | 18 |
| 90 | Transparent conducting p-type thin films of c-axis self-oriented $\text{Bi}_2\text{Sr}_2\text{Co}_2\text{O}_y$ with high figure of merit. Chemical Communications, 2014, 50, 9697-9699. | 1.5 | 18 |

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|-----|--|-----|-----------|
| 91 | Observation of the large orbital entropy in Zn-doped orbital-spin-coupled system MnV ₂ O ₄ . Applied Physics Letters, 2010, 96, . | 1.5 | 17 |
| 92 | Magnetic and microwave absorption properties of Ni ^{1-x} Zn ^x Fe ₂ O ₄ nanocrystalline synthesized by sol-gel method. Science China Technological Sciences, 2013, 56, 13-19. | 2.0 | 17 |
| 93 | Vertical La _{0.7} Ca _{0.3} MnO ₃ nanorods tailored by high magnetic field assisted pulsed laser deposition. Scientific Reports, 2016, 6, 19483. | 1.6 | 17 |
| 94 | Multiferroic property, dielectric response, and scaling behavior in Aurivillius Bi ₄ . ₂₅ Gd _{0.75} Fe _{0.5} Co _{0.5} Ti ₃ O ₁₅ ceramic. Journal of Alloys and Compounds, 2017, 695, 2556-2562. | 2.8 | 17 |
| 95 | Energy storage in BaBi ₄ Ti ₄ O ₁₅ thin films with high efficiency. Journal of Applied Physics, 2019, 125, . | 1.1 | 17 |
| 96 | Unveiling the mechanisms of metal-insulator transitions in V_2O_3 : The role of trigonal distortion. Physical Review B, 2021, 103, . | 1.1 | 17 |
| 97 | Influence of La doping on the properties of molybdenum perovskite Sr _{1-x} La _x MoO ₃ (0 ≤ x ≤ 0.2). Physica Status Solidi (B): Basic Research, 2006, 243, 1331-1336. | 0.7 | 16 |
| 98 | Self-assembled c-axis oriented antiperovskite soft-magnetic CuNCo ₃ thin films by chemical solution deposition. Journal of Materials Chemistry C, 2015, 3, 4438-4444. | 2.7 | 16 |
| 99 | 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. Scientific Reports, 2016, 6, 26390. | 1.6 | 16 |
| 100 | Enhanced multiferroicity and narrow band gap in B-site Co-doped Aurivillius Bi ₅ FeTi ₃ O ₁₅ . Ceramics International, 2019, 45, 137-143. | 2.3 | 16 |
| 101 | Magnetic anisotropy and anomalous Hall effect in monoclinic single crystal Cr _{1-x} Bi _x Physical Review B, 2020, 102, . | | |
| 102 | Superconducting and Topological Properties in Centrosymmetric PbTa ₂ Single Crystals. Journal of Physical Chemistry C, 2020, 124, 6349-6355. | 1.5 | 16 |
| 103 | Highly stable and uniformly dispersed 1T-MoS ₂ nanosheets co-induced by chemical pressure and 2D template method with high supercapacitor performance. Journal of Materials Chemistry A, 2022, 10, 7373-7381. | 5.2 | 16 |
| 104 | Room temperature multiferrocity and magnetodielectric properties of ternary (1-x)(0.94Bi _{0.5} Na _{0.5} TiO ₃ -0.06BaTiO ₃)-xBiFeO ₃ (0 ≤ x ≤ 0.9) solid solutions. Applied Physics Letters, 2017, 111, . | 1.5 | 15 |
| 105 | Ni doping dependent dielectric, leakage, ferroelectric and magnetic properties in Bi ₇ Fe ₃ -xNi _x Ti ₃ O ₂₁ thin films. Applied Surface Science, 2018, 440, 484-490. | 3.1 | 15 |
| 106 | Evolution of structure and electrical properties of epitaxial BiFeO ₃ thin films through solution and annealing atmosphere. Journal of Alloys and Compounds, 2020, 843, 155910. | 2.8 | 15 |
| 107 | Field-induced topological Hall effect in antiferromagnetic axion insulator candidate $E_{1/2}$ Physical Review Research, 2022, 4, . | | |
| 108 | Chemical Solution Deposition of Transparent and Metallic La _{0.5} Sr _{0.5} TiO ₃ +x/2 Films Using Topotactic Reduction. Journal of the American Ceramic Society, 2009, 92, 800-804. | 1.9 | 14 |

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|-----|--|-----|-----------|
| 109 | Individual Layer Thickness Effects on the Preferred c -Axis Oriented BiFeO ₃ Films by Chemical Solution Deposition. Journal of the American Ceramic Society, 2010, 93, 1682-1687. | 1.9 | 14 |
| 110 | Facile chemical solution deposition of nanocrystalline CrN thin films with low magnetoresistance. RSC Advances, 2014, 4, 12568-12571. | 1.7 | 14 |
| 111 | BiFeO ₃ thin films prepared on metallic Ni tapes by chemical solution deposition: effects of annealing temperature and a La _{0.5} Sr _{0.5} TiO ₃ buffer layer on the dielectric, ferroelectric and leakage properties. RSC Advances, 2014, 4, 32738-32743. | 1.7 | 14 |
| 112 | Modified electrical properties of chemical solution deposited epitaxial BiFeO ₃ thin films by Mn substitution. Ceramics International, 2018, 44, 11658-11664. | 2.3 | 14 |
| 113 | Electric dipoles via C ion off-center displacement in perovskite $A_{1-x}B_x$ AB_3O_{10} compounds. Physical Review B, 2018, 98, . | 1.1 | 14 |
| 114 | NiCo ₂ N hollow sphere with interconnected nanosheets shell: A potential anode material for high performance lithium-ion batteries. Chemical Engineering Journal, 2021, 425, 130607. | 6.6 | 14 |
| 115 | Realization of high-purity 1T-MoS ₂ by hydrothermal synthesis through synergistic effect of nitric acid and ethanol for supercapacitors. Journal of Materials Science and Technology, 2022, 123, 34-40. | 5.6 | 14 |
| 116 | Thermal history dependent photoconductivity in Pr _{0.5} Sr _{0.5} MnO ₃ thin film. Journal of Applied Physics, 2009, 106, . | 1.1 | 13 |
| 117 | Structural, magnetic and dielectric properties of La ₂ NiMnO ₆ thin film by chemical solution deposition method. Journal of Sol-Gel Science and Technology, 2012, 61, 224-228. | 1.1 | 13 |
| 118 | Sodium Doping Effects on Layered Cobaltate $Bi_2Sr_2Co_2O_{13}$ Thin Films. Journal of the American Ceramic Society, 2014, 97, 1841-1845. | 1.1 | 13 |
| 119 | Energy storage properties in SrTiO ₃ -Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin films. Journal of Alloys and Compounds, 2019, 799, 66-70. | 2.8 | 13 |
| 120 | Low Thermal Expansion Modulated by Off-Stoichiometric Effect in Nonstoichiometric Laves Phase Hf _{0.87} Ta _{0.13} Fe _{2+x} Compounds. Inorganic Chemistry, 2019, 58, 16818-16822. | 1.9 | 13 |
| 121 | Design of flexible inorganic BiFe _{0.93} Mn _{0.07} O ₃ ferroelectric thin films for nonvolatile memory. Journal of Materiomics, 2020, 6, 600-606. | 2.8 | 13 |
| 122 | Magnetic-field guided solvent vapor annealing for enhanced molecular alignment and carrier mobility of a semiconducting diketopyrrolopyrrole-based polymer. Journal of Materials Chemistry C, 2020, 8, 4477-4485. | 2.7 | 13 |
| 123 | Dual surfactants applied in synthesis of MoSe ₂ for high-efficiency hydrogen evolution reaction. Journal of Alloys and Compounds, 2021, 863, 158092. | 2.8 | 13 |
| 124 | Influence of carbon intercalation on the structural and magnetic properties of Ni ₃ Al. Physica B: Condensed Matter, 2006, 371, 63-67. | 1.3 | 12 |
| 125 | Synthesis and characterization of self-assembled c -axis oriented Bi ₂ Sr ₃ Co ₂ O _y thin films by the sol-gel method. Dalton Transactions, 2011, 40, 9544. | 1.6 | 12 |
| 126 | Ferrimagnetic and spin-glass transition in the Aurivillius compound SrBi ₅ Ti ₄ Cr _{0.5} Co _{0.5} O ₁₈ . Journal of Applied Physics, 2015, 117, . | 1.1 | 12 |

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|-----|--|-----|-----------|
| 127 | Acceleration of Kirkendall effect processes in silicon nanospheres using magnetic fields. <i>CrystEngComm</i> , 2018, 20, 710-715. | 1.3 | 12 |
| 128 | Rate Performance Modification of a Lithium-Rich Manganese-Based Material through Surface Self-Doping and Coating Strategies. <i>Langmuir</i> , 2021, 37, 3223-3230. | 1.6 | 12 |
| 129 | Simultaneously enhanced piezoelectricity and curie temperature in BiFeO ₃ -based high temperature piezoelectrics. <i>Journal of the European Ceramic Society</i> , 2021, 41, 7645-7653. | 2.8 | 12 |
| 130 | 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. | 1.1 | 11 |
| 131 | Magnetic field induced formation of ferroelectric $\hat{1}^2$ phase of poly (vinylidene fluoride). <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1. | 1.1 | 11 |
| 132 | The giant planar Hall effect and anisotropic magnetoresistance in Dirac node arcs semimetal PtSn ₄ . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 315702. | 0.7 | 11 |
| 133 | Solution Processable CrN Thin Films: Thickness-Dependent Electrical Transport Properties. <i>Materials</i> , 2020, 13, 417. | 1.3 | 11 |
| 134 | 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. | 1.1 | 10 |
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