

# Hang Luo

## List of Publications by Year in descending order

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103  
papers

4,743  
citations

101384

36  
h-index

110170

64  
g-index

103  
all docs

103  
docs citations

103  
times ranked

2510  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Interface design for high energy density polymer nanocomposites. <i>Chemical Society Reviews</i> , 2019, 48, 4424-4465.   | 18.7 | 531       |
| 2  | Improved Dielectric Properties and Energy Storage Density of Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (fluoride-<i>BaTiO<sub>3</sub>. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 8061-8069.   | 4.0  | 253       |
| 3  | Superior Thermal Stability of High Energy Density and Power Density in Domain-Engineered Bi<sub>0.5</sub>Na<sub>0.5</sub>TiO<sub>3</sub>â€“NaTaO<sub>3</sub> Relaxor Ferroelectrics. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 43107-43115.                                       | 4.0  | 189       |
| 4  | Significantly enhanced breakdown strength and energy density in sandwich-structured nanocomposites with low-level BaTiO3 nanowires. <i>Nano Energy</i> , 2021, 79, 105412.  | 8.2  | 167       |
| 5  | Ultra-high discharged energy density capacitor using high aspect ratio Na<sub>0.5</sub>Bi<sub>0.5</sub>TiO<sub>3</sub> nanofibers. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7091-7102.  | 5.2  | 157       |
| 6  | High Discharge Energy Density at Low Electric Field Using an Aligned Titanium Dioxide/Lead Zirconate Titanate Nanowire Array. <i>Advanced Science</i> , 2018, 5, 1700512.   | 5.6  | 154       |
| 7  | Phase structure and properties of sodium bismuth titanate lead-free piezoelectric ceramics. <i>Progress in Materials Science</i> , 2021, 122, 100836.   | 16.0 | 139       |
| 8  | Silver niobate based lead-free ceramics with high energy storage density. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10702-10711.   | 5.2  | 135       |
| 9  | Interfacial Design in Dielectric Nanocomposite Using Liquid-Crystalline Polymers. <i>Macromolecules</i> , 2017, 50, 5132-5137.  | 2.2  | 124       |
| 10 | Piezo-photoelectronic coupling effect of BaTiO3@TiO2 nanowires for highly concentrated dye degradation. <i>Nano Energy</i> , 2022, 92, 106702.  | 8.2  | 100       |
| 11 | Coreâ€“Shell Nanostructure Design in Polymer Nanocomposite Capacitors for Energy Storage Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3145-3153.   | 3.2  | 96        |
| 12 | Excellent catalytic performance of molten-salt-synthesized Bi0.5Na0.5TiO3 nanorods by the piezo-phototronic coupling effect. <i>Nano Energy</i> , 2021, 84, 105936.   | 8.2  | 89        |
| 13 | Large energy density with excellent stability in fine-grained (Bi0.5Na0.5)TiO3-based lead-free ceramics. <i>Journal of the European Ceramic Society</i> , 2019, 39, 4053-4059.  | 2.8  | 85        |
| 14 | Enhanced performance of all-organic sandwich structured dielectrics with linear dielectric and ferroelectric polymers. <i>Journal of Materials Chemistry A</i> , 2021, 9, 8674-8684.  | 5.2  | 82        |
| 15 | Significantly enhanced permittivity and energy density in dielectric composites with aligned BaTiO<sub>3</sub> lamellar structures. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3135-3144.   | 5.2  | 75        |
| 16 | Significantly enhanced energy storage density of sandwich-structured (Na<sub>0.5</sub>Bi<sub>0.5</sub>)<sub>0.93</sub>Ba<sub>0.07</sub>TiO<sub>3</sub>/P(VDFâ€“HFP) composites induced by PVP-modified two-dimensional platelets. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18050-18059. | 5.2  | 65        |
| 17 | Sandwich-structured all-organic composites with high breakdown strength and high dielectric constant for film capacitor. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 117, 369-376.  | 3.8  | 65        |
| 18 | Significantly Enhanced Energy Storage Density by Modulating the Aspect Ratio of BaTiO3 Nanofibers. <i>Scientific Reports</i> , 2017, 7, 45179.  | 1.6  | 61        |

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|----|---|-----|-----------|
| 19 | Enhanced energy density in P(VDF-HFP) nanocomposites with gradient dielectric fillers and interfacial polarization. <i>Journal of Alloys and Compounds</i> , 2017, 696, 1220-1227.  | 2.8 | 60        |
| 20 | Polymer-based dielectric nanocomposites with high energy density via using natural sepiolite nanofibers. <i>Chemical Engineering Journal</i> , 2020, 401, 126095.   | 6.6 | 60        |
| 21 | Highly enhanced dielectric strength and energy storage density in hydantoin@BaTiO <sub>3</sub> /P(VDF-HFP) composites with a sandwich-structure. <i>RSC Advances</i> , 2015, 5, 52809-52816.  | 1.7 | 57        |
| 22 | High performance capacitors via aligned TiO <sub>2</sub> nanowire array. <i>Applied Physics Letters</i> , 2017, 110, .  | 1.5 | 56        |
| 23 | Significantly improved energy density of BaTiO <sub>3</sub> nanocomposites by accurate interfacial tailoring using a novel rigid-fluoro-polymer. <i>Polymer Chemistry</i> , 2018, 9, 548-557.   | 1.9 | 55        |
| 24 | Transitional Suspensions Containing Thermosensitive Dispersant for Three-Dimensional Printing. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 26131-26136.  | 4.0 | 54        |
| 25 | Direct ink writing of zirconia three-dimensional structures. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5867-5871.  | 2.7 | 54        |
| 26 | HfO <sub>2</sub> -based ferroelectrics: From enhancing performance, material design, to applications. <i>Applied Physics Reviews</i> , 2022, 9, .   | 5.5 | 49        |
| 27 | Grain oriented Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> ceramics with giant strain response derived from single-crystalline Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> templates. <i>Journal of the European Ceramic Society</i> , 2016, 36, 1377-1383. | 2.8 | 47        |
| 28 | All-Organic Polymer Dielectrics Containing Sulfonyl Dipolar Groups and $\pi$ - $\pi$ Stacking Interaction in Side-Chain Architectures. <i>Macromolecules</i> , 2021, 54, 8195-8206.   | 2.2 | 46        |
| 29 | Morphology control and piezoelectric response of Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> synthesized via a hydrothermal method. <i>CrystEngComm</i> , 2016, 18, 1302-1310.   | 1.3 | 44        |
| 30 | Ultrahigh energy density of poly(vinylidene fluoride) from synergistically improved dielectric constant and withstand voltage by tuning the crystallization behavior. <i>Journal of Materials Chemistry A</i> , 2021, 9, 27660-27671.   | 5.2 | 43        |
| 31 | Enhancement of dielectric properties and energy storage density in poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 68515-68522.  | 1.7 | 41        |
| 32 | High Performance Capacitors Using BaTiO <sub>3</sub> Nanowires Engineered by Rigid Liquid-crystalline Polymers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20075-20083.  | 1.5 | 41        |
| 33 | Obvious ferroelectricity in undoped HfO <sub>2</sub> films by chemical solution deposition. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2820-2826.   | 2.7 | 40        |
| 34 | Methoxypolyethylene glycol functionalized carbon nanotube composites with high permittivity and low dielectric loss. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 86, 57-65.   | 3.8 | 39        |
| 35 | Electrical properties and relaxor phase evolution of Nb-Modified Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -Bi <sub>0.5</sub> K <sub>0.5</sub> TiO <sub>3</sub> -SrTiO <sub>3</sub> lead-free ceramics. <i>Journal of the European Ceramic Society</i> , 2019, 39, 2310-2317.                              | 2.8 | 39        |
| 36 | Dual-Purpose Magnesium-Incorporated Titanium Nanotubes for Combating Bacterial Infection and Ameliorating Osteolysis to Realize Better Osseointegration. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5368-5383.  | 2.6 | 38        |

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|----|---|-----|-----------|
| 37 | Enhanced breakdown strength and energy density over a broad temperature range in polyimide dielectrics using oxidized MXenes filler. <i>Journal of Power Sources</i> , 2022, 535, 231415.   | 4.0 | 38        |
| 38 | Synthesis of dielectric polystyrene via one-step nitration reaction for large-scale energy storage. <i>Chemical Engineering Journal</i> , 2022, 446, 137281.  | 6.6 | 38        |
| 39 | Bilayer structured PVDF-based composites via integrating BaTiO <sub>3</sub> nanowire arrays and BN nanosheets for high energy density capacitors. <i>Chemical Engineering Journal</i> , 2022, 437, 135497.  | 6.6 | 37        |
| 40 | &lt;p&gt;Graphene Oxide/Copper Nanoderivatives-Modified Chitosan/Hyaluronic Acid Dressings for Facilitating Wound Healing in Infected Full-Thickness Skin Defects&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 8231-8247.                           | 3.3 | 36        |
| 41 | Using a novel rigid-fluoride polymer to control the interfacial thickness of graphene and tailor the dielectric behavior of poly(vinylidene fluoride-trifluoroethylene-chlorotrifluoroethylene) nanocomposites. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 2826-2837. | 1.3 | 35        |
| 42 | Enhanced performance of P(VDF-HFP) composites using two-dimensional BaTiO <sub>3</sub> platelets and graphene hybrids. <i>Composites Science and Technology</i> , 2018, 160, 237-244.   | 3.8 | 34        |
| 43 | Significant improvement of ferroelectricity and reliability in Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> films by inserting an ultrathin Al <sub>2</sub> O <sub>3</sub> buffer layer. <i>Applied Surface Science</i> , 2021, 542, 148737.                                | 3.1 | 34        |
| 44 | Achieving Superior Energy Storage Properties of All-Organic Dielectric Polystyrene-Based Composites by Blending Rod-Coil Block Copolymers. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8156-8169.   | 3.2 | 34        |
| 45 | High-temperature dielectric polymers with high breakdown strength and energy density via constructing the electron traps in blends. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 152, 106679.  | 3.8 | 34        |
| 46 | High energy density in P(VDF-HFP) nanocomposite with paraffin engineered BaTiO <sub>3</sub> nanoparticles. <i>Sensors and Actuators A: Physical</i> , 2017, 260, 228-235.   | 2.0 | 33        |
| 47 | Regulating crystal structure and ferroelectricity in Sr doped HfO <sub>2</sub> thin films fabricated by metallo-organic decomposition. <i>Ceramics International</i> , 2019, 45, 3140-3147.   | 2.3 | 33        |
| 48 | Superior photo-piezoelectric catalytic performance using Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> @BiVO <sub>4</sub> based cloth. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17841-17854.   | 5.2 | 33        |
| 49 | BaTiO <sub>3</sub> platelets and poly(vinylidene fluoride-trifluoroethylene-chlorofluoroethylene) hybrid composites for energy storage application. <i>Mechanical Systems and Signal Processing</i> , 2018, 108, 48-57.   | 4.4 | 31        |
| 50 | Enhanced permittivity in polymer blends via tailoring the orderliness of semiconductive liquid crystalline polymers and intermolecular interactions. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8440-8450.  | 2.7 | 31        |
| 51 | Suppressed polarization by epitaxial growth of SrTiO <sub>3</sub> on BaTiO <sub>3</sub> nanoparticles for high discharged energy density and efficiency nanocomposites. <i>Nanoscale</i> , 2020, 12, 8230-8236.   | 2.8 | 31        |
| 52 | Enhanced piezoresponse and electric field induced relaxor-ferroelectric phase transition in NBT-0.06BT ceramic prepared from hydrothermally synthesized nanoparticles. <i>Ceramics International</i> , 2016, 42, 18631-18640.   | 2.3 | 30        |
| 53 | Tunable phase transitions in NaNbO <sub>3</sub> ceramics through bismuth/vacancy modification. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4289-4299.  | 2.7 | 28        |
| 54 | Concurrently enhanced dielectric properties and energy density in poly(vinylidene fluoride)-based core-shell BaTiO <sub>3</sub> nanocomposites via constructing a polar and rigid polymer interfacial layer. <i>Journal of Materials Chemistry C</i> , 2022, 10, 6323-6333.       | 2.7 | 28        |

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|----|--|-----|-----------|
| 55 | Achieving high breakdown strength and energy density in all-organic sandwich-structured dielectrics by introducing polyacrylate elastomers. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9103-9113.   | 5.2 | 28        |
| 56 | High energy density in PVDF nanocomposites using an optimized nanowire array. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18031-18037.  | 1.3 | 26        |
| 57 | Core-shell TiO <sub>2</sub> @HfO <sub>2</sub> nanowire arrays with designable shell thicknesses for improved permittivity and energy density in polymer nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 137, 106012.                         | 3.8 | 26        |
| 58 | Extremely low loading of carbon quantum dots for high energy density in polyetherimide nanocomposites. <i>Chemical Engineering Journal</i> , 2022, 433, 133601.  | 6.6 | 26        |
| 59 | Building Hierarchical Interfaces Using BaSrTiO <sub>3</sub> Nanocuboid Dotted Graphene Sheets in an Optimized Percolative Nanocomposite with Outstanding Dielectric Properties. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600157.   | 1.9 | 25        |
| 60 | Three dimensional BaTiO <sub>3</sub> piezoelectric ceramics coated with TiO <sub>2</sub> nanoarray for high performance of piezo-photoelectric catalysis. <i>Nano Energy</i> , 2022, 98, 107267.   | 8.2 | 25        |
| 61 | Enhanced dielectric properties of poly(vinylidene fluoride-co-hexafluoropropylene) nanocomposites using oriented nickel nanowires. <i>Composites Communications</i> , 2019, 16, 11-19.   | 3.3 | 24        |
| 62 | Piezo-assisted photoelectric catalysis degradation for dyes and antibiotics by Ag dots-modified NaNbO <sub>3</sub> powders. <i>Ceramics International</i> , 2022, 48, 23182-23194.   | 2.3 | 23        |
| 63 | Na <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> @TiO <sub>2</sub> core-shell nanorods with controllable mesoporous shells and their enhanced photocatalytic performance. <i>Applied Surface Science</i> , 2018, 427, 1183-1192.  | 3.1 | 22        |
| 64 | Enhanced performance in multilayer-structured nanocomposites using BaTiO <sub>3</sub> and Ba <sub>0.8</sub> Sr <sub>0.2</sub> TiO <sub>3</sub> decorated graphene hybrids. <i>Ceramics International</i> , 2018, 44, 20871-20876.  | 2.3 | 22        |
| 65 | Enhanced dielectric constant of PVDF-based nanocomposites with one-dimensional core-shell polypyrrole/sepiolite nanofibers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 145, 106384.   | 3.8 | 22        |
| 66 | Improved Energy Density and Energy Efficiency of Poly(vinylidene difluoride) Nanocomposite Dielectrics Using 0.93Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -0.07BaTiO <sub>3</sub> Nanofibers. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 19376-19387. | 4.0 | 22        |
| 67 | Interfacial engineering tailoring the dielectric behavior and energy density of BaTiO <sub>3</sub> /P(VDF-TrFE-CTFE) nanocomposites by regulating a liquid-crystalline polymer modifier structure. <i>Dalton Transactions</i> , 2018, 47, 12759-12768.                           | 1.6 | 20        |
| 68 | High Breakdown Strength and Energy Density in Multilayer-Structured Ferroelectric Composite. <i>ACS Omega</i> , 2020, 5, 32660-32666.  | 1.6 | 19        |
| 69 | n-Type Semiconductive Polymer and Poly(vinylidene fluoride-trifluoroethylene) (PVDF-TrFE) Nanocomposites. <i>Applied Polymer Materials</i> , 2021, 3, 879-887.   | 2.0 | 18        |
| 70 | Constructing High-Performance Dielectrics via Molecular and Phase Engineering in Dipolar Polymers. <i>ACS Applied Energy Materials</i> , 2021, 4, 2451-2462.   | 2.5 | 18        |
| 71 | Symmetric Trilayer Dielectric Composites with High Energy Density Using a Low Loading of KNbO <sub>3</sub> Nanosheets. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15983-15994.  | 3.2 | 18        |
| 72 | Enhanced permittivity and energy density of P(VDF-HFP)-based capacitor using core-shell structured BaTiO <sub>3</sub> @TiO <sub>2</sub> fillers. <i>Ionics</i> , 2018, 24, 3975-3982.  | 1.2 | 17        |

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|----|--|-----|-----------|
| 73 | Thickness-dependent ferroelectric properties of HfO <sub>2</sub> /ZrO <sub>2</sub> nanolaminates using atomic layer deposition. <i>Journal of Materials Science</i> , 2021, 56, 6064-6072.   | 1.7 | 17        |
| 74 | Enhanced actuation performance of piezoelectric fiber composites induced by incorporated BaTiO <sub>3</sub> nanoparticles in epoxy resin. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 1641-1647. | 0.9 | 16        |
| 75 | Improved energy density and dielectric properties of P(VDF-HFP) composites with TiO <sub>2</sub> nanowire clusters. <i>Journal of Electroceramics</i> , 2018, 40, 65-71.   | 0.8 | 16        |
| 76 | All-organic polymer dielectrics prepared via optimization of sequential structure of polystyrene-based copolymers. <i>Chemical Engineering Journal</i> , 2022, 446, 137106.  | 6.6 | 16        |
| 77 | Influence of main chain on the phase behaviors of side-chain liquid-crystalline polymers with triphenylene mesogens of long alkyl tail substituents. <i>Journal of Polymer Science Part A</i> , 2017, 55, 754-766.                           | 2.5 | 15        |
| 78 | Temperature-stable Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -based relaxor ceramics with high permittivity and large energy density under low electric fields. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160755.       | 2.8 | 15        |
| 79 | Synthesis of mesogen-jacketed liquid crystalline polymers with long symmetry mesogenic core containing two biphenyls. <i>Polymer</i> , 2013, 54, 1794-1802.  | 1.8 | 14        |
| 80 | Optimising the dielectric property of carbon nanotubes/P(VDF-CTFE) nanocomposites by tailoring the shell thickness of liquid crystalline polymer modified layer. <i>IET Nanodielectrics</i> , 2019, 2, 142-150.                              | 2.0 | 14        |
| 81 | 3D printing of anisotropic polymer nanocomposites with aligned BaTiO <sub>3</sub> nanowires for enhanced energy density. <i>Materials Advances</i> , 2020, 1, 14-19.   | 2.6 | 14        |
| 82 | Dielectric nanocomposites with high energy density by doping core-double shell structured fillers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 159, 107019.  | 3.8 | 14        |
| 83 | Synergistic enhancement of piezoelectricity and thermal stability in AlN-doped Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -based ceramics. <i>Journal of the European Ceramic Society</i> , 2022, 42, 1425-1433.                   | 2.8 | 13        |
| 84 | Enhanced dielectric constant and breakdown strength in dielectric composites using TiO <sub>2</sub> @HfO <sub>2</sub> nanowires with gradient dielectric constant. <i>Ceramics International</i> , 2022, 48, 12483-12489.                    | 2.3 | 12        |
| 85 | Multiple Effects Tailoring the Self-organization Behaviors of Triphenylene Side-chain Liquid Crystalline Polymers via Changing the Spacer Length. <i>Chinese Journal of Polymer Science (English)</i> Tj ETQq1 1 0.784314 rgBT1 Overlo       |     |           |
| 86 | Constructing a correlation between ferroelectricity and grain sizes in Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> ferroelectric thin films. <i>CrystEngComm</i> , 2022, 24, 1731-1737.   | 1.3 | 11        |
| 87 | Phase transitions in RbPrNb <sub>2</sub> O <sub>7</sub> , a layer structured ferroelectric with a high Curie point. <i>Acta Materialia</i> , 2020, 200, 971-979.   | 3.8 | 10        |
| 88 | Terahertz Probing Irreversible Phase Transitions Related to Polar Clusters in Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -Based Ferroelectric. <i>Advanced Electronic Materials</i> , 2020, 6, 1901373.                            | 2.6 | 10        |
| 89 | Enhanced energy density in sandwich-structured P(VDF-HFP) nanocomposites containing Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> nanofibers. <i>Chemical Engineering Journal</i> , 2022, 436, 131123.                                  | 6.6 | 10        |
| 90 | Direct ink writing of 3D piezoelectric ceramics with complex unsupported structures. <i>Journal of the European Ceramic Society</i> , 2022, 42, 3841-3847.   | 2.8 | 10        |

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|-----|---|-----|-----------|
| 91  | Self-organization behaviours of hemiphasmidic side-chain liquid-crystalline polymers with different spacer lengths. <i>New Journal of Chemistry</i> , 2017, 41, 7553-7561.  | 1.4 | 9         |
| 92  | Ultrafast Electric Field-Induced Phase Transition in Bulk $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ under High-Intensity Terahertz Irradiation. <i>ACS Photonics</i> , 2021, 8, 147-151.   | 3.2 | 8         |
| 93  | The effects of precursors on the morphology and microstructure of potassium sodium niobate nanorods synthesized by molten salt synthesis. <i>CrystEngComm</i> , 2015, 17, 8710-8719.  | 1.3 | 7         |
| 94  | Influence of alkyl tail length on self-organisation of side-chain liquid crystalline polymers with biphenyl hemiphasmidic mesogens. <i>Liquid Crystals</i> , 2017, 44, 1031-1043.   | 0.9 | 7         |
| 95  | Molten salt synthesis and characterization of lead-free $(1-x)\text{Na}_0.5\text{Bi}_0.5\text{TiO}_3-x\text{SrTiO}_3$ ( $x=0, 0.10, 0.26$ ) whiskers. <i>Ceramics International</i> , 2018, 44, 9174-9180.  | 2.3 | 7         |
| 96  | Self-organization of cholesterol-side-chain liquid crystalline polymers by tailoring the main chain structure and flexible spacer length. <i>New Journal of Chemistry</i> , 2019, 43, 5429-5440.  | 1.4 | 7         |
| 97  | High piezoelectric response and excellent fatigue resistance in Rb-substituted BNT-BT ceramics. <i>Journal of Materials Science</i> , 2020, 55, 7634-7644.  | 1.7 | 7         |
| 98  | Surface-Decorated Graphene Oxide Sheets with Copper Nanoderivatives for Bone Regeneration: An <i>In Vitro</i> and <i>In Vivo</i> Study Regarding Molecular Mechanisms, Osteogenesis, and Anti-infection Potential. <i>ACS Infectious Diseases</i> , 2022, 8, 499-515. | 1.8 | 7         |
| 99  | Electrospinning Synthesis of $\text{Na}_0.5\text{Bi}_0.5\text{TiO}_3$ Nanofibers for Dielectric Capacitors in Energy Storage Application. <i>Nanomaterials</i> , 2022, 12, 906.   | 1.9 | 6         |
| 100 | Novel Therapeutic Strategy for Bacteria-Contaminated Bone Defects: Reconstruction with Multi-Biofunctional GO/Cu-Incorporated 3D Scaffolds. <i>Advanced Therapeutics</i> , 2022, 5, .   | 1.6 | 4         |
| 101 | Improved dielectric constant and energy density of P(VDF-HFP) composites using NBT-xST ( $x=0, 0.10$ ). <i>J Appl Phys</i> , 2022, 132, 044101.   | 1.5 | 3         |
| 102 | Effects of doping concentration and annealing temperatures on the ferroelectric memory properties of yttrium doped $\text{HfO}_2$ . <i>Journal Physics D: Applied Physics</i> , 2022, 55, 394001.   | 1.3 | 3         |
| 103 | Significantly Improved Dielectric Breakdown Strength and Energy Density in P(VDF-TrFE-CTFE) Polymer via a Facile Uniaxial Drawing Process. <i>ACS Applied Polymer Materials</i> , 0, , .  | 2.0 | 1         |