

# Hao Xue

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,731  
citations

430874

18  
h-index

395702

33  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2497  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying and understanding the triboelectric series of inorganic non-metallic materials. <i>Nature Communications</i> , 2020, 11, 2093.	12.8	287
2	A wearable pyroelectric nanogenerator and self-powered breathing sensor. <i>Nano Energy</i> , 2017, 38, 147-154.	16.0	251
3	A hybrid fibers based wearable fabric piezoelectric nanogenerator for energy harvesting application. <i>Nano Energy</i> , 2015, 13, 298-305.	16.0	175
4	Boosting the Solar Cell Efficiency by Flexo-photovoltaic Effect?. <i>ACS Nano</i> , 2019, 13, 12259-12267.	14.6	111
5	Piezotronic effect boosted photocatalytic performance of heterostructured BaTiO <sub>3</sub> /TiO <sub>2</sub> nanofibers for degradation of organic pollutants. <i>Nano Energy</i> , 2020, 77, 105122.	16.0	110
6	Effect of oxygen sintering atmosphere on the electrical behavior of CCTO ceramics. <i>Journal of the European Ceramic Society</i> , 2012, 32, 1245-1249.	5.7	101
7	Single BaTiO <sub>3</sub> nanowires-polymer fiber based nanogenerator. <i>Nano Energy</i> , 2015, 11, 510-517.	16.0	98
8	Highly oriented BaTiO <sub>3</sub> film self-assembled using an interfacial strategy and its application as a flexible piezoelectric generator for wind energy harvesting. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9965-9971.	10.3	76
9	3D printed stretchable smart fibers and textiles for self-powered e-skin. <i>Nano Energy</i> , 2021, 84, 105866.	16.0	75
10	Dielectric properties and current-voltage nonlinear behavior of Ca <sub>1-x</sub> Sr <sub>x</sub> Cu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramics. <i>Journal of Alloys and Compounds</i> , 2009, 482, L14-L17.	5.5	41
11	Microstructure and broadband dielectric properties of Zn <sub>2</sub> SiO <sub>4</sub> ceramics with nano-sized TiO <sub>2</sub> addition. <i>Ceramics International</i> , 2019, 45, 13251-13256.	4.8	37
12	Structure and multiferroic properties of Y-doped BiFeO <sub>3</sub> ceramics. <i>Science Bulletin</i> , 2010, 55, 452-456.	1.7	34
13	Study on preparation and performance of flexible all-solid-state supercapacitor based on nitrogen-doped RGO/CNT/MnO <sub>2</sub> composite fibers. <i>Journal of Alloys and Compounds</i> , 2021, 859, 157816.	5.5	34
14	Enhancement of Dielectric Performance of Polymer Composites via Constructing BaTiO <sub>3</sub> -Poly(dopamine)-Ag Nanoparticles through Mussel-Inspired Surface Functionalization. <i>ACS Omega</i> , 2018, 3, 14087-14096.	3.5	31
15	Lead-free (Na <sub>0.83</sub> K <sub>0.17</sub> ) <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> nanofibers for wearable piezoelectric nanogenerators. <i>Journal of Alloys and Compounds</i> , 2016, 688, 1066-1071.	5.5	30
16	Low temperature sintering and microwave dielectric properties of TiO <sub>2</sub> ceramics. <i>Journal of the European Ceramic Society</i> , 2017, 37, 4667-4672.	5.7	24
17	The synthesis and electrochemical performance of NiCo <sub>2</sub> O <sub>4</sub> embedded carbon nanofibers for high-performance supercapacitors. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019, 27, 189-197.	2.1	22
18	Generation of High-Order Bessel Orbital Angular Momentum Vortex Beam Using a Single-Layer Reflective Metasurface. <i>IEEE Access</i> , 2020, 8, 126504-126510.	4.2	19

#	ARTICLE	IF	CITATIONS
19	Sintering behavior and microwave performance of CaSiO <sub>3</sub> ceramics doped with BaCu(B <sub>2</sub> O <sub>5</sub> ) for LTCC applications. <i>Ceramics International</i> , 2019, 45, 18937-18942.	4.8	18
20	The Structure and Dielectric Tunable Properties of Fine-Grained Ba <sub>0.6</sub> Sr <sub>0.4</sub> TiO <sub>3</sub> Ceramics Prepared by Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , 2007, 90, 2653-2656.	3.8	16
21	The structure and dielectric tunable properties of ~001% preferred oriented BST ceramics prepared by templated grain growth method. <i>Journal of Alloys and Compounds</i> , 2009, 467, 338-341.	5.5	15
22	Effects of the Bi <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> addition on the sintering behavior and microwave dielectric properties of Zn <sub>1.8</sub> SiO <sub>3.8</sub> ceramics. <i>Journal of Alloys and Compounds</i> , 2017, 725, 1063-1068.	5.5	15
23	Reconfigurable Fiber Triboelectric Nanogenerator for Self-Powered Defect Detection. <i>ACS Nano</i> , 2022, 16, 7721-7731.	14.6	15
24	Magnetolectric sensor with miniature universal tunable bias magnetic circuit. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	14
25	Low temperature sintering and microwave dielectric properties of Zn <sub>1.8</sub> SiO <sub>3.8</sub> ceramics with BaCu(B <sub>2</sub> O <sub>5</sub> ) additive for LTCC applications. <i>Ceramics International</i> , 2018, 44, 14145-14150.	4.8	13
26	Giant phase shift effect in Tb <sub>0.3</sub> Dy <sub>0.7</sub> Fe <sub>2</sub> /Pb(Zr,Ti)O <sub>3</sub> laminated composite. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	11
27	Hydrothermal synthesis and photoluminescent properties of Li <sub>2</sub> Sr <sub>0.996</sub> SiO <sub>4</sub> :Pr <sup>3+</sup> +0.004 phosphors for white-LED lightings. <i>Journal of Rare Earths</i> , 2015, 33, 244-248.	4.8	10
28	Preparation and characterization of lead zirconate titanate ceramic fibers with alkoxide-based sol-gel route. <i>Journal of Physics: Conference Series</i> , 2009, 152, 012077.	0.4	9
29	The Influence of Flexural Deformation on the Static Magnetolectric Coefficient of a Bilayered Magnetolectric Composite. <i>Materials Research Letters</i> , 2013, 1, 45-50.	8.7	9
30	Polyaniline-Modified Hierarchical Graphene Fiber for Ultrahigh-Performance Electrochemical Supercapacitor with Carbon Fiber in Core as Current Collector. <i>Energy Technology</i> , 2019, 7, 1900522.	3.8	8
31	Toward the Burgeoning Optical Sensors with Ultra-Precision Hierarchical Structures Inspired by Butterflies. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100142.	3.7	8
32	Ferroelectric and electromechanical property characterization of single Pb(ZrTi)O <sub>3</sub> fiber resonator. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	4
33	Magnets Assisted Triboelectric Nanogenerator for Harvesting Water Wave Energy. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	4
34	BaTiO <sub>3</sub> piezoelectric microfiber composites for mechanical energy harvesting. , 2011, , .		3
35	Piezoelectric PZT fiber composite as a low frequency vibration sensor. , 2013, , .		3
36	Structure and Multiferroic Properties of Bi <sub>0.9</sub> Y <sub>0.1</sub> FeO <sub>3</sub> -PbTiO <sub>3</sub> Ceramics. <i>Advanced Materials Research</i> , 0, 105-106, 263-265.		0

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37	Magneto-electric effect of KNN-Ni composites. , 2011, , .		0
38	Preparation and dielectric properties of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ -(NaBi) $_0.5\text{Cu}_3$ composites. , 2011, , .		
39	Photoluminescence properties of $\text{Ba}_x\text{Sr}_y\text{Li}_z\text{SiO}_4$ : $\text{Ce}^{3+}$ & $\text{Mn}^{2+}$ phosphors for NUV-LED lighting. , 2011, , .		
40	A flexible piezoelectric power generator based on self-assembled, highly oriented $\text{BaTiO}_3$ micro platelet thin layer. , 2013, , .		0