

# Xiaohu Ren

## List of Publications by Year in descending order

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times ranked

1256  
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#	ARTICLE	IF	CITATIONS
1	Flexible Lead-Free BiFeO <sub>3</sub> /PDMS-Based Nanogenerator as Piezoelectric Energy Harvester. ACS Applied Materials & Interfaces, 2016, 8, 26190-26197.	8.0	203
2	Magnetic force driven noncontact electromagnetic-triboelectric hybrid nanogenerator for scavenging biomechanical energy. Nano Energy, 2017, 35, 233-241.	16.0	102
3	Hydrothermally Induced Oxygen Doping of Graphitic Carbon Nitride with a Highly Ordered Architecture and Enhanced Photocatalytic Activity. ChemSusChem, 2018, 11, 700-708.	6.8	96
4	Novel sintering and band gap engineering of ZnTiO <sub>3</sub> ceramics with excellent microwave dielectric properties. Journal of Materials Chemistry C, 2017, 5, 4040-4047.	5.5	62
5	Triboelectric Nanogenerators Based on Fluorinated Wasted Rubber Powder for Self-Powering Application. ACS Sustainable Chemistry and Engineering, 2017, 5, 1957-1964.	6.7	53
6	A Simple Absorbent Cotton Biotemplate to Fabricate SnO <sub>2</sub> Porous Microtubules and Their Gas-Sensing Properties for Chlorine. ACS Sustainable Chemistry and Engineering, 2019, 7, 147-155.	6.7	42
7	Microwave absorption properties of double-layer absorber based on carbonyl iron/barium hexaferrite composites. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	36
8	Room temperature synthesis and enhanced photocatalytic property of CeO <sub>2</sub> /ZnO heterostructures. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	36
9	Lead-free Bi <sub>5-2x</sub> La <sub>x</sub> Ti <sub>3</sub> FeO <sub>15</sub> (x = 0, 1) nanofibers toward wool keratin-based biocompatible piezoelectric nanogenerators. Journal of Materials Chemistry C, 2016, 4, 7324-7331.	5.5	35
10	Enhanced Microwave Absorbing Properties of La <sup>3+</sup> Substituting Barium Hexaferrite. Journal of Superconductivity and Novel Magnetism, 2016, 29, 803-808.	1.8	35
11	All-yarn triboelectric nanogenerator and supercapacitor based self-charging power cloth for wearable applications. Nanotechnology, 2021, 32, 315404.	2.6	22
12	Coaxial rotatory-freestanding triboelectric nanogenerator for effective energy scavenging from wind. Smart Materials and Structures, 2018, 27, 065016.	3.5	15
13	Permeability and electromagnetic wave absorption properties of sintered barium hexaferrites with substitution of Co <sup>2+</sup> by Zr <sup>4+</sup> . Journal of Materials Science: Materials in Electronics, 2016, 27, 772-775.	2.2	13
14	Unusual devisable high-performance perovskite materials obtained by engineering in twins, domains, and antiphase boundaries. Inorganic Chemistry Frontiers, 2018, 5, 568-576.	6.0	10
15	The tunable microwave absorption properties of the Co <sup>2+</sup> /Zr <sup>4+</sup> -substituted Co <sub>2</sub> W-type hexagonal ferrites. Journal of Materials Science: Materials in Electronics, 2020, 31, 20908-20918.	2.2	7
16	Effect of alumina bubbles with and without Al <sub>2</sub> O <sub>3</sub> coatings on the performance of lightweight Al <sub>2</sub> O <sub>3</sub> -MgAl <sub>2</sub> O <sub>4</sub> refractories. International Journal of Applied Ceramic Technology, 2020, 17, 2622-2628.	2.1	3
17	Effect of CaCO <sub>3</sub> addition on the performance of lightweight Al <sub>2</sub> O <sub>3</sub> -MgAl <sub>2</sub> O <sub>4</sub> refractories with gradient density. International Journal of Applied Ceramic Technology, 2022, 19, 1511-1517.	2.1	2
18	Different Enhancement Mechanisms of the Anodizing Al-Doped or Sn-Coupled Ti <sub>3</sub> SiC <sub>2</sub> for the Photoelectrochemical Performance. ChemistrySelect, 2020, 5, 1496-1505.	1.5	1