

Xin Wang

List of Publications by Year in descending order

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18
papers

2,186
citations

471061

17
h-index

839053

18
g-index

18
all docs

18
docs citations

18
times ranked

3241
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Brightness, High-Resolution, and Flexible Triboelectrification-Induced Electroluminescence Skin for Real-Time Imaging and Human-Machine Information Interaction. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	45
2	High-performance triboelectric nanogenerator powered flexible electroluminescence devices based on patterned laser-induced copper electrodes for visualized information interaction. <i>Nano Energy</i> , 2022, 96, 107116.	8.2	27
3	Stretchable and Shape-Adaptable Triboelectric Nanogenerator Based on Biocompatible Liquid Electrolyte for Biomechanical Energy Harvesting and Wearable Human-Machine Interaction. <i>Advanced Functional Materials</i> , 2021, 31, 2007221.	7.8	89
4	Multifunctional NaYF ₄ :Nd/NaDyF ₄ nanocrystals as a multimodal platform for NIR-II fluorescence and magnetic resonance imaging. <i>Nanoscale Advances</i> , 2021, 3, 463-470.	2.2	10
5	Flexible High-Resolution Triboelectric Sensor Array Based on Patterned Laser-Induced Graphene for Self-Powered Real-Time Tactile Sensing. <i>Advanced Functional Materials</i> , 2021, 31, 2100709.	7.8	152
6	Fabrication of pH-responsive PAA-NaMnF ₃ @DOX hybrid nanostructures for magnetic resonance imaging and drug delivery. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153142.	2.8	26
7	Enhancing solar-thermal-electric energy conversion based on m-PEGMA/GO synergistic phase change aerogels. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13207-13217.	5.2	42
8	Self-powered forest fire alarm system based on impedance matching effect between triboelectric nanogenerator and thermosensitive sensor. <i>Nano Energy</i> , 2020, 73, 104843.	8.2	75
9	Single ultrasmall Mn ²⁺ -doped NaNdF ₄ nanocrystals as multimodal nanoprobe for magnetic resonance and second near-infrared fluorescence imaging. <i>Nano Research</i> , 2018, 11, 1069-1081.	5.8	45
10	Fabrication of pH-responsive PLGA(UCNPs/DOX) nanocapsules with upconversion luminescence for drug delivery. <i>Scientific Reports</i> , 2017, 7, 18014.	1.6	86
11	Paper-Based Triboelectric Nanogenerators Made of Stretchable Interlocking Kirigami Patterns. <i>ACS Nano</i> , 2016, 10, 4652-4659.	7.3	197
12	Fully Packaged Blue Energy Harvester by Hybridizing a Rolling Triboelectric Nanogenerator and an Electromagnetic Generator. <i>ACS Nano</i> , 2016, 10, 11369-11376.	7.3	181
13	Self-powered textile for wearable electronics by hybridizing fiber-shaped nanogenerators, solar cells, and supercapacitors. <i>Science Advances</i> , 2016, 2, e1600097.	4.7	705
14	Harvesting Broad Frequency Band Blue Energy by a Triboelectric-Electromagnetic Hybrid Nanogenerator. <i>ACS Nano</i> , 2016, 10, 6526-6534.	7.3	244
15	One-step self-assembly of ZnPc/NaGdF ₄ :Yb,Er nanoclusters for simultaneous fluorescence imaging and photodynamic effects on cancer cells. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4637.	2.9	28
16	Functionalization of upconverted luminescent NaYF ₄ :Yb,Er nanocrystals by folic acid-chitosan conjugates for targeted lung cancer cell imaging. <i>Journal of Materials Chemistry</i> , 2011, 21, 7661.	6.7	92
17	One-Pot Synthesis of Carboxyl-Functionalized Rare Earth Fluoride Nanocrystals with Monodispersity, Ultrasmall Size and Very Bright Luminescence. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 2158-2163.	1.0	17
18	Rapid Screening of Gold Catalysts by Chemiluminescence-Based Array Imaging. <i>Journal of the American Chemical Society</i> , 2007, 129, 6062-6063.	6.6	125