Xin Wang

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/235605/publications.pdf

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18	2,186	471061 17	839053 18
papers	citations	h-index	g-index

18	18	18	3241
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Self-powered textile for wearable electronics by hybridizing fiber-shaped nanogenerators, solar cells, and supercapacitors. Science Advances, 2016, 2, e1600097.	4.7	705
2	Harvesting Broad Frequency Band Blue Energy by a Triboelectricâ€“Electromagnetic Hybrid Nanogenerator. ACS Nano, 2016, 10, 6526-6534.	7.3	244
3	Paper-Based Triboelectric Nanogenerators Made of Stretchable Interlocking Kirigami Patterns. ACS Nano, 2016, 10, 4652-4659.	7.3	197
4	Fully Packaged Blue Energy Harvester by Hybridizing a Rolling Triboelectric Nanogenerator and an Electromagnetic Generator. ACS Nano, 2016, 10, 11369-11376.	7.3	181
5	Flexible Highâ€Resolution Triboelectric Sensor Array Based on Patterned Laserâ€Induced Graphene for Selfâ€Powered Realâ€Time Tactile Sensing. Advanced Functional Materials, 2021, 31, 2100709.	7.8	152
6	Rapid Screening of Gold Catalysts by Chemiluminescence-Based Array Imaging. Journal of the American Chemical Society, 2007, 129, 6062-6063.	6.6	125
7	Functionalization of upconverted luminescent NaYF4â€‰:â€‰Yb/Er nanocrystals by folic acidâ€“chitosan conjugates for targeted lung cancer cell imaging. Journal of Materials Chemistry, 2011, 21, 7661.	6.7	92
8	Stretchable and Shapeâ€Adaptable Triboelectric Nanogenerator Based on Biocompatible Liquid Electrolyte for Biomechanical Energy Harvesting and Wearable Humanâ€“Machine Interaction. Advanced Functional Materials, 2021, 31, 2007221.	7.8	89
9	Fabrication of pH-responsive PLGA(UCNPs/DOX) nanocapsules with upconversion luminescence for drug delivery. Scientific Reports, 2017, 7, 18014.	1.6	86
10	Self-powered forest fire alarm system based on impedance matching effect between triboelectric nanogenerator and thermosensitive sensor. Nano Energy, 2020, 73, 104843.	8.2	75
11	Single ultrasmall Mn2+-doped NaNdF4 nanocrystals as multimodal nanoprobes for magnetic resonance and second near-infrared fluorescence imaging. Nano Research, 2018, 11, 1069-1081.	5.8	45
12	Highâ€Brightness, Highâ€Resolution, and Flexible Triboelectrificationâ€Induced Electroluminescence Skin for Realâ€Time Imaging and Humanâ€“Machine Information Interaction. Advanced Functional Materials, 2022, 32, .	7.8	45
13	Enhancing solarâ€“thermalâ€“electric energy conversion based on m-PEGMA/GO synergistic phase change aerogels. Journal of Materials Chemistry A, 2020, 8, 13207-13217.	5.2	42
14	One-step self-assembly of ZnPc/NaGdF4:Yb,Er nanoclusters for simultaneous fluorescence imaging and photodynamic effects on cancer cells. Journal of Materials Chemistry B, 2013, 1, 4637.	2.9	28
15	High-performance triboelectric nanogenerator powered flexible electroluminescence devices based on patterned laser-induced copper electrodes for visualized information interaction. Nano Energy, 2022, 96, 107116.	8.2	27
16	Fabrication of pH-responsive PAA-NaMnF3@DOX hybrid nanostructures for magnetic resonance imaging and drug delivery. Journal of Alloys and Compounds, 2020, 820, 153142.	2.8	26
17	Oneâ€Pot Synthesis of Carboxylâ€Functionalized Rare Earth Fluoride Nanocrystals with Monodispersity, Ultrasmall Size and Very Bright Luminescence. European Journal of Inorganic Chemistry, 2011, 2011, 2158-2163.	1.0	17
18	Multifunctional NaYF₄:Nd/NaDyF₄ nanocrystals as a multimodal platform for NIR-II fluorescence and magnetic resonance imaging. Nanoscale Advances, 2021, 3, 463-470.	2.2	10