

# Junming Wan

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

960  
citations

430754

18  
h-index

454834

30  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stretchable, self-healing, conductive hydrogel fibers for strain sensing and triboelectric energy-harvesting smart textiles. <i>Nano Energy</i> , 2020, 78, 105389.	8.2	186
2	Enhanced photocatalytic degradation activity over TiO <sub>2</sub> nanotubes co-sensitized by reduced graphene oxide and copper(II) meso-tetra(4-carboxyphenyl)porphyrin. <i>Applied Surface Science</i> , 2016, 377, 149-158.	3.1	62
3	Synthesis of polymer-functionalized nanoscale graphene oxide with different surface charge and its cellular uptake, biosafety and immune responses in Raw264.7 macrophages. <i>Materials Science and Engineering C</i> , 2018, 90, 514-522.	3.8	53
4	Review of Graphene-Based Textile Strain Sensors, with Emphasis on Structure Activity Relationship. <i>Polymers</i> , 2021, 13, 151.	2.0	44
5	Ternary composites of TiO <sub>2</sub> nanotubes with reduced graphene oxide (rGO) and meso-tetra(4-carboxyphenyl) porphyrin for enhanced visible light photocatalysis. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 14692-14703.	3.8	38
6	Preparation, characterization and visible-light-driven photocatalytic activity of a novel Fe(III) porphyrin-sensitized TiO <sub>2</sub> nanotube photocatalyst. <i>Applied Surface Science</i> , 2017, 391, 267-274.	3.1	38
7	The visible light degradation activity and the photocatalytic mechanism of tetra(4-carboxyphenyl) porphyrin sensitized TiO <sub>2</sub> . <i>Materials Research Bulletin</i> , 2014, 57, 311-319.	2.7	37
8	MoS <sub>2</sub> quantum dots@TiO <sub>2</sub> nanotube composites with enhanced photoexcited charge separation and high-efficiency visible-light driven photocatalysis. <i>Nanotechnology</i> , 2018, 29, 105403.	1.3	37
9	pH and Thermal Dual-Responsive Graphene Oxide Nanocomplexes for Targeted Drug Delivery and Photothermal-Chemo/Photodynamic Synergetic Therapy. <i>ACS Applied Bio Materials</i> , 2019, 2, 5859-5871.	2.3	35
10	Stretchable energy storage E-skin supercapacitors and body movement sensors. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127529.	4.0	33
11	Stretchable multi-luminescent fibers with AIEgens. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10769-10776.	2.7	30
12	Bimetallic Porphyrin MOF Anchored onto rGO Nanosheets as a Highly Efficient 2D Electrocatalyst for Oxygen Evolution Reaction in Alkaline Conditions. <i>ChemistrySelect</i> , 2019, 4, 8661-8670.	0.7	29
13	Preparation of the MoS <sub>2</sub> /TiO <sub>2</sub> /HMFs ternary composite hollow microfibres with enhanced photocatalytic performance under visible light. <i>Journal of Colloid and Interface Science</i> , 2017, 502, 100-111.	5.0	23
14	pH-Responsive Nanoparticles Loaded with Graphene Quantum Dots and Doxorubicin for Intracellular Imaging, Drug Delivery and Efficient Cancer Therapy. <i>ChemistrySelect</i> , 2019, 4, 6004-6012.	0.7	22
15	Electromagnetic shielding, resistance temperature-sensitive behavior, and decoupling of interfacial electricity for reduced graphene oxide paper. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160756.	2.8	22
16	Silk fibroin fibers supported with high density of gold nanoparticles: fabrication and application as catalyst. <i>Gold Bulletin</i> , 2011, 44, 171-176.	1.1	20
17	Flexible Humidity Sensitive Fiber with Swellable Metal-Organic Frameworks. <i>Advanced Fiber Materials</i> , 2021, 3, 107-116.	7.9	20
18	Efficient hydrogen evolution and rapid degradation of organic pollutants by robust catalysts of MoS <sub>2</sub> /TNT@CNTs. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16024-16037.	3.8	19

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19	Doxorubicin-loaded pH-responsive nanoparticles coated with chlorin e6 for drug delivery and synergetic chemo-photodynamic therapy. <i>Nanotechnology</i> , 2020, 31, 195103.	1.3	19
20	Synthesis, electron transfer and photocatalytic activity of TiO <sub>2</sub> nanotubes sensitized by meso-tetra(4-carboxyphenyl)porphyrin under visible-light irradiation. <i>RSC Advances</i> , 2015, 5, 58184-58190.	1.7	17
21	Morphology evolution and visible light driven photocatalysis study of Ti <sup>3+</sup> self-doped TiO <sub>2</sub> nanocrystals. <i>Journal of Materials Research</i> , 2017, 32, 1563-1572.	1.2	17
22	The photocatalytic activity and degradation mechanism of methylene blue over copper(II) tetra(4-carboxyphenyl) porphyrin sensitized TiO <sub>2</sub> under visible light irradiation. <i>RSC Advances</i> , 2014, 4, 28978-28986.	1.7	16
23	Preparation of superlong TiO <sub>2</sub> nanotubes and reduced graphene oxide composite photocatalysts with enhanced photocatalytic performance under visible light irradiation. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 14769-14776.	1.1	15
24	Versatile Nanoplatform Loaded with Doxorubicin and Graphene Quantum Dots/Methylene Blue for Drug Delivery and Chemophotothermal/Photodynamic Synergetic Cancer Therapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 7122-7132.	2.3	15
25	Smart fabric strain sensor comprising reduced graphene oxide with structure-based negative piezoresistivity. <i>Journal of Materials Science</i> , 2021, 56, 16946-16962.	1.7	13
26	Tailored monoclonal antibody as recognition probe of immunosensor for ultrasensitive detection of silk fibroin and use in the study of archaeological samples. <i>Biosensors and Bioelectronics</i> , 2019, 145, 111709.	5.3	12
27	Photoinduced interfacial charge transfer and photocatalytic behavior of TiO <sub>2</sub> nanotubes sensitized by copper (II) meso-tetra (4-carboxyphenyl) porphyrin. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 4026-4034.	1.1	11
28	Interactions between rGO/TNT nanocomposites and cells: Regulation of cell morphology, uptake, cytotoxicity, adhesion and migration. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 77, 510-518.	1.5	10
29	Adsorption and photocatalytic behavior of titanate nanotubes sensitized with zinc tetra(4-carboxyphenyl) porphyrin. <i>RSC Advances</i> , 2015, 5, 33570-33578.	1.7	9
30	Fabrication and interfacial electron transfer of ultrathin g-C <sub>3</sub> N <sub>4</sub> nanosheet/TNT@CNTs ternary nanostructure heterojunction for high-efficiency visible-light-driven photocatalysis. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 8673-8687.	1.1	9
31	Transparent, Stretchable and Direct Skin-Touchable Multi-Functional Electronic Skin Sensors. <i>Journal of the Electrochemical Society</i> , 2018, 165, B924-B930.	1.3	8
32	Fabrication of 1D long chain-like metal porphyrin-based coordination complexes for high-efficiency hydrogen evolution and photoelectric response. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 18072-18082.	3.8	7
33	Electric heating behavior of flexible knitted fabrics comprising reduced graphene oxide, with emphasis on resistance temperature-sensitive behavior and decoupling of contact resistance. <i>Journal of Industrial Textiles</i> , 2022, 51, 3131S-3148S.	1.1	7
34	ZFP+PU/PVDF composite fibers based on ZnS:Cu phosphors for low temperature lighting monitoring sensor devices. <i>Journal of Luminescence</i> , 2021, 239, 118303.	1.5	6
35	The aging effect of CaCl <sub>2</sub> and NaCl on wool fabrics with hydrothermal treatment. <i>Textile Research Journal</i> , 2017, 87, 399-408.	1.1	4
36	Preparation and high-efficient hydrogen evolution reaction of hydrangea-like MoS <sub>2</sub> hollow microspheres modified by needle-like g-C <sub>3</sub> N <sub>4</sub> . <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16446-16451.	1.1	3

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37	A CdS quantum dots-sensitized porphyrin-based MOFs for hydrogen evolution reaction in acid media. Journal of Materials Science: Materials in Electronics, 2020, 31, 21214-21221.	1.1	3
38	Purification of organic pollutant by the novel ternary complex. Journal of Materials Science: Materials in Electronics, 2016, 27, 10905-10910.	1.1	2
39	A alkaline route for synthesis of titanate nanosheets modified with reduced graphene oxide for enhanced photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2017, 28, 7976-7984.	1.1	2
40	Application of Electron Paramagnetic Resonance and Solid-state <sup>13</sup> C Nuclear Magnetic Resonance of Cross-polarization/Magic Angle Spinning to Study Enzymatic Degradation of Silk Fabrics. Analytical Sciences, 2017, 33, 579-583.	0.8	2
41	Visible-Light Response and High-Efficiency Photocatalytic Elimination of Polycyclic Organic Pollutants of Layer-by-Layer Assembled Ternary Nanotubular Catalysts. ChemistrySelect, 2018, 3, 11414-11421.	0.7	2
42	High-Efficient Visible-Light Response and Photoelectrochemical Performance of Nanotube-Sheet Composite Fabricated by Ultrathin Porphyrin Nanosheet and TiO <sub>2</sub> Nanotubes. ChemistrySelect, 2019, 4, 941-949.	0.7	1
43	Fabrication, photoelectrochemical and electrocatalytic activity of 1D linear Co(â€¦) and Fe(â€¦) TPP-based coordination compounds. International Journal of Hydrogen Energy, 2020, 45, 9328-9341.	3.8	1
44	Hydrogen Evolution and Wastewater Treatment of Hydrangeal-Like Catalyst Decorated by the NiS Nanosheet and Pd Nanoparticle. ChemistrySelect, 2020, 5, 1041-1046.	0.7	1
45	Nanoarchitected Graphene Organic Framework for Drug Delivery and Chemo-photothermal Synergistic Therapy. Journal of Biomaterials Applications, 0, , 088532822211084.	1.2	0