

# Huamin Chen

## List of Publications by Year in descending order

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19  
papers

757  
citations

687363

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794594

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20  
all docs

20  
docs citations

20  
times ranked

763  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-energy all-in-one stretchable micro-supercapacitor arrays based on 3D laser-induced graphene foams decorated with mesoporous ZnP nanosheets for self-powered stretchable systems. Nano Energy, 2021, 81, 105609.	16.0	148
2	Enhanced stretchable graphene-based triboelectric nanogenerator via control of surface nanostructure. Nano Energy, 2019, 58, 304-311.	16.0	92
3	Wearable and robust triboelectric nanogenerator based on crumpled gold films. Nano Energy, 2018, 46, 73-80.	16.0	86
4	Triboelectric nanogenerators for a macro-scale blue energy harvesting and self-powered marine environmental monitoring system. Sustainable Energy and Fuels, 2020, 4, 1063-1077.	4.9	80
5	Crumpled Graphene Triboelectric Nanogenerators: Smaller Devices with Higher Output Performance. Advanced Materials Technologies, 2017, 2, 1700044.	5.8	78
6	Human motion-driven self-powered stretchable sensing platform based on laser-induced graphene foams. Applied Physics Reviews, 2022, 9, .	11.3	77
7	Theoretical System of Contact-Mode Triboelectric Nanogenerators for High Energy Conversion Efficiency. Nanoscale Research Letters, 2018, 13, 346.	5.7	27
8	Performance-enhanced and cost-effective triboelectric nanogenerator based on stretchable electrode for wearable SpO2 monitoring. Nano Research, 2022, 15, 2465-2471.	10.4	26
9	A Flexible Triboelectric Nanogenerator Based on Cellulose-Reinforced MXene Composite Film. Advanced Materials Interfaces, 2022, 9, 2102124.	3.7	24
10	Performance-Enhanced Flexible Triboelectric Nanogenerator Based on Gold Chloride-Doped Graphene. ACS Applied Electronic Materials, 2020, 2, 1106-1112.	4.3	23
11	Enhanced Stretchable and Sensitive Strain Sensor via Controlled Strain Distribution. Nanomaterials, 2020, 10, 218.	4.1	18
12	Self-Powered Flexible Blood Oxygen Monitoring System Based on a Triboelectric Nanogenerator. Nanomaterials, 2019, 9, 778.	4.1	17
13	A multiple laser-induced hybrid electrode for flexible triboelectric nanogenerators. Sustainable Energy and Fuels, 2021, 5, 3737-3743.	4.9	17
14	Optimization of a Rolling Triboelectric Nanogenerator Based on the Nano-Micro Structure for Ocean Environmental Monitoring. ACS Omega, 2021, 6, 21059-21065.	3.5	13
15	Wearable and Biocompatible Blood Oxygen Sensor Based on Heterogeneously Integrated Lasers on a Laser-Induced Graphene Electrode. ACS Applied Electronic Materials, 2022, 4, 1583-1591.	4.3	9
16	Transfer method of crumpled graphene and its application for human strain monitoring. Sensors and Actuators A: Physical, 2017, 260, 153-160.	4.1	8
17	Optimization of contact-mode triboelectric nanogeneration for high energy conversion efficiency. Science China Information Sciences, 2018, 61, 1.	4.3	8
18	Multiple robust Dirac states in hexagonal lattice induced by $\pi$ -electron-counting rule and bilayer stacking. Physical Review B, 2020, 102, .	12.2	4

#	ARTICLE	IF	CITATIONS
19	High-Efficiency Broadband Vector Beams Using Polarization Rotation Metasurfaces. IEEE Photonics Technology Letters, 2017, 29, 1463-1466.	2.5	0