

# Huajing Fang

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,164  
citations

394421

19  
h-index

377865

34  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1787  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional hydrogel enables extremely simplified electrochromic devices for smart windows and ionic writing boards. <i>Materials Horizons</i> , 2018, 5, 1000-1007.	12.2	129
2	Solution-Processed Self-Powered Transparent Ultraviolet Photodetectors with Ultrafast Response Speed for High-Performance Communication System. <i>Advanced Functional Materials</i> , 2019, 29, 1809013.	14.9	123
3	A self-powered photodetector based on a CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> single crystal with asymmetric electrodes. <i>CrystEngComm</i> , 2016, 18, 4405-4411.	2.6	95
4	A self-powered organolead halide perovskite single crystal photodetector driven by a DVD-based triboelectric nanogenerator. <i>Journal of Materials Chemistry C</i> , 2016, 4, 630-636.	5.5	87
5	A Stretchable Nanogenerator with Electric/Light Dual-Mode Energy Conversion. <i>Advanced Energy Materials</i> , 2016, 6, 1600829.	19.5	74
6	An Origami Perovskite Photodetector with Spatial Recognition Ability. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 10921-10928.	8.0	49
7	A high performance triboelectric nanogenerator for self-powered non-volatile ferroelectric transistor memory. <i>Nanoscale</i> , 2015, 7, 17306-17311.	5.6	46
8	Self-Powered Rewritable Electrochromic Display based on WO <sub>3-x</sub> Film with Mechanochemically Synthesized MoO <sub>3</sub> Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 20326-20335.	8.0	46
9	Self-Powered Ultrabroadband Photodetector Monolithically Integrated on a PMN-PT Ferroelectric Single Crystal. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32934-32939.	8.0	45
10	Self-powered flat panel displays enabled by motion-driven alternating current electroluminescence. <i>Nano Energy</i> , 2016, 20, 48-56.	16.0	43
11	High-performance stretchable photodetector based on CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> microwires and graphene. <i>Nanoscale</i> , 2018, 10, 10538-10544.	5.6	41
12	Boosting Transport Kinetics of Ions and Electrons Simultaneously by Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene) Addition for Enhanced Electrochromic Performance. <i>Nano-Micro Letters</i> , 2021, 13, 20.	27.0	37
13	A multifunctional smart window: detecting ultraviolet radiation and regulating the spectrum automatically. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10446-10453.	5.5	32
14	Anodic aluminum oxide-epoxy composite acoustic matching layers for ultrasonic transducer application. <i>Ultrasonics</i> , 2016, 70, 29-33.	3.9	31
15	Hexagonal Crown-Capped Zinc Oxide Micro Rods: Hydrothermal Growth and Formation Mechanism. <i>Inorganic Chemistry</i> , 2013, 52, 10167-10175.	4.0	30
16	CsCu <sub>5</sub> Se <sub>3</sub> : A Copper-Rich Ternary Chalcogenide Semiconductor with Nearly Direct Band Gap for Photovoltaic Application. <i>Chemistry of Materials</i> , 2018, 30, 1121-1126.	6.7	30
17	A high-performance transparent photodetector via building hierarchical g-C <sub>3</sub> N <sub>4</sub> nanosheets/CNTs van der Waals heterojunctions by a facile and scalable approach. <i>Applied Surface Science</i> , 2020, 529, 147122.	6.1	29
18	Self-doped tungsten oxide films induced by <i>in situ</i> carbothermal reduction for high performance electrochromic devices. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13999-14006.	5.5	26

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19	Fabrication of volcano-shaped nano-patterned sapphire substrates using colloidal self-assembly and wet chemical etching. <i>Nanotechnology</i> , 2013, 24, 335301.	2.6	24
20	Surface modification of K <sub>2</sub> BaBP <sub>2</sub> O <sub>8</sub> :Eu <sup>3+</sup> phosphors by Al-doped ZnO coating. <i>Materials Letters</i> , 2013, 100, 216-218.	2.6	19
21	Infrared light gated MoS <sub>2</sub> field effect transistor. <i>Optics Express</i> , 2015, 23, 31908.	3.4	18
22	A self-powered photoelectrochemical ultraviolet photodetector based on Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> /TiO <sub>2</sub> in situ formed heterojunctions. <i>Nanotechnology</i> , 2022, 33, 075502.	2.6	18
23	Piezoelectric Property of a Tetragonal (Ba,Ca)(Zr,Ti)O <sub>3</sub> Single Crystal and Its Fine-Domain Structure. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12847-12853.	8.0	15
24	Electrochromic devices constructed with water-in-salt electrolyte enabling energy-saving and prolonged optical memory effect. <i>Chemical Engineering Journal</i> , 2022, 446, 137122.	12.7	15
25	A highly transparent humidity sensor with fast response speed based on $\lambda$ -MoO <sub>3</sub> thin films. <i>RSC Advances</i> , 2020, 10, 25467-25474.	3.6	12
26	Nanosecond-Response Speed Sensor Based on Perovskite Single Crystal Photodetector Array. <i>ACS Photonics</i> , 2018, 5, 3172-3178.	6.6	11
27	Dual-function biomimetic eyes based on thermally-stable organohydrogel electrolyte. <i>Chemical Engineering Journal</i> , 2022, 438, 135383.	12.7	7
28	Facile fabrication of highly ordered poly(vinylidene fluoride-trifluoroethylene) nanodot arrays for organic ferroelectric memory. <i>Journal of Applied Physics</i> , 2016, 119, 014104.	2.5	5
29	Monolithic integrated multifunctional photoelectrochemical device for smart ultraviolet management. <i>Materials Today Energy</i> , 2021, 20, 100676.	4.7	5
30	Effects of pre-polarization on the dielectric and piezoelectric properties of $\lambda$ type PIN $\lambda$ -PMN $\lambda$ -PT/PVDF composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 6427-6433.	2.2	4
31	Enhanced permittivity and permeability of (1-y)(Mg <sub>0.95</sub> Zn <sub>0.05</sub> ) <sub>2</sub> TiO <sub>4</sub> -yMg <sub>0.95</sub> Zn <sub>0.05</sub> Fe <sub>2</sub> O <sub>4</sub> ceramics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 5367-5374.	5.7	4
32	Transparent humidity sensor with high sensitivity via a facile and scalable way based on liquid-phase exfoliated MoO <sub>3</sub> - nanosheets. <i>Sensors and Actuators Reports</i> , 2022, 4, 100092.	4.4	2
33	Transparent Electronics: Solution-Processed Self-Powered Transparent Ultraviolet Photodetectors with Ultrafast Response Speed for High-Performance Communication System ( <i>Adv. Funct. Mater.</i> ) Tj ETQq1 1 0.7849 14 rgb / Overl	1.7	1
34	Thickness-dependent magnetic anisotropy in laminated Co <sub>1.1</sub> Fe <sub>1.9</sub> O <sub>4</sub> ceramics. <i>Ceramics International</i> , 2019, 45, 23734-23739.	4.8	0
35	An Optothermal Field Effect Transistor Based on PMN-26PT Single Crystal. <i>Springer Theses</i> , 2020, , 29-48.	0.1	0
36	An Ultrabroadband Photodetector Based on PMN-28PT Single Crystal. <i>Springer Theses</i> , 2020, , 49-73.	0.1	0

#	ARTICLE	IF	CITATIONS
37	A Mechanical Energy Writeable Ferroelectric Memory Based on PMN-35PT Single Crystal. Springer Theses, 2020, , 75-101.	0.1	0