

Huajing Fang

List of Publications by Year in descending order

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37
papers

1,164
citations

394421

19
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377865

34
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38
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38
docs citations

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times ranked

1787
citing authors

#	ARTICLE	IF	CITATIONS
1	A self-powered photoelectrochemical ultraviolet photodetector based on $\text{Ti}_3\text{C}_2\text{T}_x/\text{TiO}_2$ in situ formed heterojunctions. <i>Nanotechnology</i> , 2022, 33, 075502.	2.6	18
2	Dual-function biomimetic eyes based on thermally-stable organohydrogel electrolyte. <i>Chemical Engineering Journal</i> , 2022, 438, 135383.	12.7	7
3	Transparent humidity sensor with high sensitivity via a facile and scalable way based on liquid-phase exfoliated MoO_3 -nanosheets. <i>Sensors and Actuators Reports</i> , 2022, 4, 100092.	4.4	2
4	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
5	Boosting Transport Kinetics of Ions and Electrons Simultaneously by $\text{Ti}_3\text{C}_2\text{T}_x$ (MXene) Addition for Enhanced Electrochromic Performance. <i>Nano-Micro Letters</i> , 2021, 13, 20.	27.0	37
6	Self-Powered Rewritable Electrochromic Display based on WO_3-x Film with Mechanochemically Synthesized MoO_3 Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20326-20335.	8.0	46
7	Monolithic integrated multifunctional photoelectrochemical device for smart ultraviolet management. <i>Materials Today Energy</i> , 2021, 20, 100676.	4.7	5
8	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
9	A highly transparent humidity sensor with fast response speed based on MoO_3 thin films. <i>RSC Advances</i> , 2020, 10, 25467-25474.	3.6	12
10	A high-performance transparent photodetector via building hierarchical $\text{g-C}_3\text{N}_4$ nanosheets/CNTs van der Waals heterojunctions by a facile and scalable approach. <i>Applied Surface Science</i> , 2020, 529, 147122.	6.1	29
11	An Optothermal Field Effect Transistor Based on PMN-26PT Single Crystal. <i>Springer Theses</i> , 2020, , 29-48.	0.1	0
12	An Ultrabroadband Photodetector Based on PMN-28PT Single Crystal. <i>Springer Theses</i> , 2020, , 49-73.	0.1	0
13	A Mechanical Energy Writeable Ferroelectric Memory Based on PMN-35PT Single Crystal. <i>Springer Theses</i> , 2020, , 75-101.	0.1	0
14	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
15	Thickness-dependent magnetic anisotropy in laminated $\text{Co}_{1.1}\text{Fe}_{1.9}\text{O}_4$ ceramics. <i>Ceramics International</i> , 2019, 45, 23734-23739.	4.8	0
16	Transparent Electronics: Solution-Processed Self-Powered Transparent Ultraviolet Photodetectors with Ultrafast Response Speed for High-Performance Communication System (<i>Adv. Funct. Mater.</i>) Tj ETQq0 0 0 rg85/Overlock 10 Tf 5	14.9	123
17	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
18	Piezoelectric Property of a Tetragonal $(\text{Ba,Ca})(\text{Zr,Ti})\text{O}_3$ Single Crystal and Its Fine-Domain Structure. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12847-12853.	8.0	15

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19	CsCu ₅ Se ₃ : 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
20	Nanosecond-Response Speed Sensor Based on Perovskite Single Crystal Photodetector Array. <i>ACS Photonics</i> , 2018, 5, 3172-3178.	6.6	11
21	High-performance stretchable photodetector based on CH ₃ NH ₃ PbI ₃ microwires and graphene. <i>Nanoscale</i> , 2018, 10, 10538-10544.	5.6	41
22	Enhanced permittivity and permeability of (1-y)(Mg _{0.95} Zn _{0.05}) ₂ TiO ₄ -yMg _{0.95} Zn _{0.05} Fe ₂ O ₄ ceramics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 5367-5374.	5.7	4
23	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
24	An Origami Perovskite Photodetector with Spatial Recognition Ability. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10921-10928.	8.0	49
25	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
26	A self-powered photodetector based on a CH ₃ NH ₃ PbI ₃ single crystal with asymmetric electrodes. <i>CrystEngComm</i> , 2016, 18, 4405-4411.	2.6	95
27	Anodic aluminum oxide epoxy composite acoustic matching layers for ultrasonic transducer application. <i>Ultrasonics</i> , 2016, 70, 29-33.	3.9	31
28	A Stretchable Nanogenerator with Electric/Light Dual-Mode Energy Conversion. <i>Advanced Energy Materials</i> , 2016, 6, 1600829.	19.5	74
29	Self-Powered Ultrabroadband Photodetector Monolithically Integrated on a PMN-PT Ferroelectric Single Crystal. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32934-32939.	8.0	45
30	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
31	Self-powered flat panel displays enabled by motion-driven alternating current electroluminescence. <i>Nano Energy</i> , 2016, 20, 48-56.	16.0	43
32	Infrared light gated MoS ₂ field effect transistor. <i>Optics Express</i> , 2015, 23, 31908.	3.4	18
33	Effects of pre-polarization on the dielectric and piezoelectric properties of 3 type PIN-PMN-PT/PVDF composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 6427-6433.	2.2	4
34	A high performance triboelectric nanogenerator for self-powered non-volatile ferroelectric transistor memory. <i>Nanoscale</i> , 2015, 7, 17306-17311.	5.6	46
35	Hexagonal Crown-Capped Zinc Oxide Micro Rods: Hydrothermal Growth and Formation Mechanism. <i>Inorganic Chemistry</i> , 2013, 52, 10167-10175.	4.0	30
36	Surface modification of KBaBP2O8:Eu ³⁺ phosphors by Al-doped ZnO coating. <i>Materials Letters</i> , 2013, 100, 216-218.	2.6	19

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37	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