

Jian ping Meng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Plasmon-Induced Pyro-Phototronic Effect Enhancement in Self-Powered UV-Vis Detection with a ZnO/CuO p-n Junction Device. <i>Advanced Functional Materials</i> , 2022, 32, 2108903.	14.9	43
2	Enhanced Performance of a Self-Powered ZnO Photodetector by Coupling LSPR-Inspired Pyro-Phototronic Effect and Piezo-Phototronic Effect. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	42
3	Self-powered photodetector for ultralow power density UV sensing. <i>Nano Today</i> , 2022, 43, 101399.	11.9	57
4	Recent progress on Schottky sensors based on two-dimensional transition metal dichalcogenides. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8107-8128.	10.3	38
5	Pyro-phototronic effect enhanced self-powered photodetector. <i>International Journal of Optomechatronics</i> , 2022, 16, 1-17.	6.6	27
6	LSPR-Enhanced Pyro-Phototronic Effect for UV Detection with an Ag-ZnO Schottky Junction Device. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	10
7	Combining triboelectric nanogenerator with piezoelectric effect for optimizing Schottky barrier height modulation. <i>Science Bulletin</i> , 2021, 66, 1409-1418.	9.0	9
8	Tunable Schottky barrier height of a Pt-CuO junction via a triboelectric nanogenerator. <i>Nanoscale</i> , 2021, 13, 17101-17105.	5.6	8
9	The recent advances in self-powered medical information sensors. <i>Informa-Materials</i> , 2020, 2, 212-234.	17.3	96
10	Reversible Conversion between Schottky and Ohmic Contacts for Highly Sensitive, Multifunctional Biosensors. <i>Advanced Functional Materials</i> , 2020, 30, 1907999.	14.9	61
11	Schottky-Contacted Nanowire Sensors. <i>Advanced Materials</i> , 2020, 32, e2000130.	21.0	108
12	Triboelectric-polarization-enhanced high sensitive ZnO UV sensor. <i>Nano Today</i> , 2020, 33, 100873.	11.9	33
13	Triboelectric Nanogenerator Enhanced Schottky Nanowire Sensor for Highly Sensitive Ethanol Detection. <i>Nano Letters</i> , 2020, 20, 4968-4974.	9.1	58
14	Body-Integrated Self-Powered System for Wearable and Implantable Applications. <i>ACS Nano</i> , 2019, 13, 6017-6024.	14.6	142
15	Bioabsorbable Capacitors: Fully Bioabsorbable Capacitor as an Energy Storage Unit for Implantable Medical Electronics (<i>Adv. Sci.</i> 6/2019). <i>Advanced Science</i> , 2019, 6, 1970035.	11.2	2