

# Bangsen Ouyang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11356372/publications.pdf>

Version: 2024-02-01

13  
papers

616  
citations

840776

11  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

693  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Powered UV Photodetector Array Based on P3HT/ZnO Nanowire Array Heterojunction. <i>Advanced Materials Technologies</i> , 2017, 2, 1700208.	5.8	114
2	Dual-polarity response in self-powered ZnO NWs/Sb <sub>2</sub> Se <sub>3</sub> film heterojunction photodetector array for optical communication. <i>Nano Energy</i> , 2020, 68, 104312.	16.0	89
3	Photocurrent Polarity Controlled by Light Wavelength in Self-Powered ZnO Nanowires/SnS Photodetector System. <i>IScience</i> , 2018, 1, 16-23.	4.1	87
4	Enhancing Photocurrent of Radially Polarized Ferroelectric BaTiO <sub>3</sub> Materials by Ferro-Pyro-Phototronic Effect. <i>IScience</i> , 2018, 3, 208-216.	4.1	79
5	One-structure-based multi-effects coupled nanogenerators for flexible and self-powered multi-functional coupled sensor systems. <i>Nano Energy</i> , 2020, 71, 104632.	16.0	58
6	Enhanced photocurrent via ferro-pyro-phototronic effect in ferroelectric BaTiO <sub>3</sub> materials for a self-powered flexible photodetector system. <i>Nano Energy</i> , 2020, 77, 105152.	16.0	44
7	Thermo-photoelectric coupled effect induced electricity in N-type SnSe:Br single crystals for enhanced self-powered photodetectors. <i>Nano Energy</i> , 2019, 66, 104111.	16.0	42
8	Dual-polarity output response-based photoelectric devices. <i>Cell Reports Physical Science</i> , 2021, 2, 100418.	5.6	30
9	Conjoined photo-thermoelectric effect in ZnO-graphene nanocomposite foam for self-powered simultaneous temperature and light sensing. <i>Scientific Reports</i> , 2020, 10, 11864.	3.3	22
10	Thermo-phototronic effect in p-type Na-doped SnS single crystals for enhanced self-powered photodetectors. <i>Nano Energy</i> , 2021, 88, 106268.	16.0	18
11	Coupling Enhancement of Photo-Thermoelectric Conversion in a Lateral ZnO Nanowire Array. <i>ACS Applied Energy Materials</i> , 2019, 2, 7647-7654.	5.1	14
12	Low-Temperature Induced Enhancement of Photoelectric Performance in Semiconducting Nanomaterials. <i>Nanomaterials</i> , 2021, 11, 1131.	4.1	10
13	Self-Powered Light-Temperature Dual-Parameter Sensor Using Nb-Doped SrTiO <sub>3</sub> Materials Via Thermo-Phototronic Effect. <i>Advanced Functional Materials</i> , 2021, 31, 2010439.	14.9	9