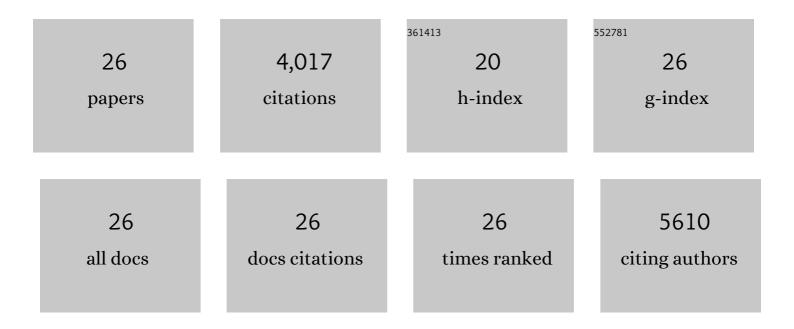
Hehai Fang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Ambipolar and Robust WSe 2 Fieldâ€Effect Transistors Utilizing Selfâ€Assembled Edge Oxides. Advanced Materials Interfaces, 2020, 7, 1901628.	3.7	11
2	Global Photocurrent Generation in Phototransistors Based on Singleâ€Walled Carbon Nanotubes toward Highly Sensitive Infrared Detection. Advanced Optical Materials, 2019, 7, 1900597.	7.3	15
3	Etching Techniques in 2D Materials. Advanced Materials Technologies, 2019, 4, 1900064.	5.8	50
4	Optoelectronic Properties of Printed Photogating Carbon Nanotube Thin Film Transistors and Their Application for Light-Stimulated Neuromorphic Devices. ACS Applied Materials & Interfaces, 2019, 11, 12161-12169.	8.0	80
5	Progress, Challenges, and Opportunities for 2D Material Based Photodetectors. Advanced Functional Materials, 2019, 29, 1803807.	14.9	884
6	Optoelectronics: Highâ€Performance Photovoltaic Detector Based on MoTe ₂ /MoS ₂ Van der Waals Heterostructure (Small 9/2018). Small, 2018, 14, 1870038.	10.0	7
7	Highâ€Performance Photovoltaic Detector Based on MoTe ₂ /MoS ₂ Van der Waals Heterostructure. Small, 2018, 14, 1703293.	10.0	205
8	Novel Typeâ€II InAs/AlSb Core–Shell Nanowires and Their Enhanced Negative Photocurrent for Efficient Photodetection. Advanced Functional Materials, 2018, 28, 1705382.	14.9	36
9	Significant Enhancement of Single-Walled Carbon Nanotube Based Infrared Photodetector Using PbS Quantum Dots. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-8.	2.9	19
10	Room-Temperature Single-Photon Detector Based on Single Nanowire. Nano Letters, 2018, 18, 5439-5445.	9.1	42
11	High-Performance Near-Infrared Photodetectors Based on p-Type SnX (X = S, Se) Nanowires Grown <i>via</i> Chemical Vapor Deposition. ACS Nano, 2018, 12, 7239-7245.	14.6	101
12	Arrayed Van Der Waals Broadband Detectors for Dualâ€Band Detection. Advanced Materials, 2017, 29, 1604439.	21.0	218
13	Photodetectors: A Broadband Fluorographene Photodetector (Adv. Mater. 22/2017). Advanced Materials, 2017, 29, .	21.0	1
14	Recent Progress on Localized Field Enhanced Twoâ€dimensional Material Photodetectors from Ultraviolet—Visible to Infrared. Small, 2017, 13, 1700894.	10.0	234
15	A Broadband Fluorographene Photodetector. Advanced Materials, 2017, 29, 1700463.	21.0	110
16	SWCNTâ€MoS ₂ â€SWCNT Vertical Point Heterostructures. Advanced Materials, 2017, 29, 1604469.	21.0	32
17	Hybrid heterojunctions based on 2D materials and 3D thin-films for high-performance photodetectors. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	8
18	Photogating in Low Dimensional Photodetectors. Advanced Science, 2017, 4, 1700323.	11.2	622

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#	Article	IF	CITATIONS
19	Plasmonic Silicon Quantum Dots Enabled High-Sensitivity Ultrabroadband Photodetection of Graphene-Based Hybrid Phototransistors. ACS Nano, 2017, 11, 9854-9862.	14.6	285
20	Nonlocal Response in Infrared Detector with Semiconducting Carbon Nanotubes and Graphdiyne. Advanced Science, 2017, 4, 1700472.	11.2	29
21	Highâ€Sensitivity Floatingâ€Gate Phototransistors Based on WS ₂ and MoS ₂ . Advanced Functional Materials, 2016, 26, 6084-6090.	14.9	124
22	Visible Light-Assisted High-Performance Mid-Infrared Photodetectors Based on Single InAs Nanowire. Nano Letters, 2016, 16, 6416-6424.	9.1	134
23	Tunable Ambipolar Polarization-Sensitive Photodetectors Based on High-Anisotropy ReSe ₂ Nanosheets. ACS Nano, 2016, 10, 8067-8077.	14.6	276
24	Highâ€Performance Ferroelectric Polymer Sideâ€Gated CdS Nanowire Ultraviolet Photodetectors. Advanced Functional Materials, 2016, 26, 7690-7696.	14.9	107
25	Generalized colloidal synthesis of high-quality, two-dimensional cesium lead halide perovskite nanosheets and their applications in photodetectors. Nanoscale, 2016, 8, 13589-13596.	5.6	252
26	When Nanowires Meet Ultrahigh Ferroelectric Field–High-Performance Full-Depleted Nanowire Photodetectors. Nano Letters, 2016, 16, 2548-2555.	9.1	135