

# Hongwei Guo

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

12  
papers

367  
citations

8  
h-index

14  
g-index

14  
ext. papers

453  
ext. citations

12.5  
avg, IF

2.3  
L-index

#	Paper	IF	Citations
12	Broadband Graphene Field-Effect Coupled Detectors: from Soft X-ray to Near-Infrared. <i>IEEE Electron Device Letters</i> , <b>2022</b> , 1-1	4.4	3
11	Approaching the Collection Limit in Hot Electron Transistors with Ambipolar Hot Carrier Transport. <i>ACS Nano</i> , <b>2019</b> , 13, 14191-14197	16.7	15
10	All-Two-Dimensional-Material Hot Electron Transistor. <i>IEEE Electron Device Letters</i> , <b>2018</b> , 39, 634-637	4.4	14
9	Light-induced negative differential resistance in gate-controlled graphene-silicon photodiode. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 201109	3.4	6
8	Designing an Efficient Multimode Environmental Sensor Based on Graphene/Silicon Heterojunction. <i>Advanced Materials Technologies</i> , <b>2017</b> , 2, 1600262	6.8	38
7	A self-powered high-performance graphene/silicon ultraviolet photodetector with ultra-shallow junction: breaking the limit of silicon?. <i>Npj 2D Materials and Applications</i> , <b>2017</b> , 1,	8.8	144
6	Photodetectors: A Broadband Fluorographene Photodetector (Adv. Mater. 22/2017). <i>Advanced Materials</i> , <b>2017</b> , 29,	24	1
5	A Broadband Fluorographene Photodetector. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700463	24	72
4	High-performance, flexible graphene/ultra-thin silicon ultra-violet image sensor <b>2017</b> ,		15
3	Graphene/silicon-quantum-dots/Si Schottky-PN cascade heterojunction for short-wavelength infrared photodetection <b>2017</b> ,		5
2	Transparent triboelectric generators based on glass and polydimethylsiloxane. <i>Nano Energy</i> , <b>2016</b> , 30, 235-241	17.1	40
1	Fluorinated graphene and hexagonal boron nitride as ALD seed layers for graphene-based van der Waals heterostructures. <i>Nanotechnology</i> , <b>2014</b> , 25, 355202	3.4	5