

# Po-Hsun Ho

## List of Publications by Year in descending order

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15  
papers

717  
citations

840776

11  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1676  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast growth of large-grain and continuous MoS <sub>2</sub> films through a self-capping vapor-liquid-solid method. <i>Nature Communications</i> , 2020, 11, 3682.	12.8	76
2	High-Mobility InSe Transistors: The Nature of Charge Transport. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 35969-35976.	8.0	23
3	Spatially and Precisely Controlled Large-Scale and Persistent Optical Gating in a TiO <sub>2</sub> /MoS <sub>2</sub> Heterostructure. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 38319-38325.	8.0	2
4	Environment-insensitive and gate-controllable photocurrent enabled by bandgap engineering of MoS <sub>2</sub> junctions. <i>Scientific Reports</i> , 2017, 7, 44768.	3.3	11
5	Surface Oxidation Doping to Enhance Photogenerated Carrier Separation Efficiency for Ultrahigh Gain Indium Selenide Photodetector. <i>ACS Photonics</i> , 2017, 4, 2930-2936.	6.6	44
6	High-Mobility InSe Transistors: The Role of Surface Oxides. <i>ACS Nano</i> , 2017, 11, 7362-7370.	14.6	177
7	Observation of quantum Hall plateau-plateau transition and scaling behavior of the zeroth Landau level in graphene. <i>Physical Review B</i> , 2016, 93, .	3.2	5
8	Precisely Controlled Ultrastrong Photoinduced Doping at Graphene/Heterostructures Assisted by Trap-State-Mediated Charge Transfer. <i>Advanced Materials</i> , 2015, 27, 7809-7815.	21.0	39
9	Sunlight-activated graphene-heterostructure transparent cathodes: enabling high-performance n-graphene/p-Si Schottky junction photovoltaics. <i>Energy and Environmental Science</i> , 2015, 8, 2085-2092.	30.8	42
10	Self-Cracked Filled Graphene Films by Metallic Nanoparticles for High-Performance Graphene Heterojunction Solar Cells. <i>Advanced Materials</i> , 2015, 27, 1724-1729.	21.0	65
11	Extrinsic Origin of Persistent Photoconductivity in Monolayer MoS <sub>2</sub> Field Effect Transistors. <i>Scientific Reports</i> , 2015, 5, 11472.	3.3	110
12	Wavelength-Selective Dual p- and n-Type Carrier Transport of an Organic/Graphene/Inorganic Heterostructure. <i>Advanced Materials</i> , 2015, 27, 282-287.	21.0	26
13	Residue-free fabrication of high-performance graphene devices by patterned PMMA stencil mask. <i>AIP Advances</i> , 2014, 4, .	1.3	11
14	Dependence of Nanocrystal Dimensionality on the Polymer Nanomorphology, Anisotropic Optical Absorption, and Carrier Transport in P3HT:TiO <sub>2</sub> Bulk Heterojunctions. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25081-25088.	3.1	10
15	Self-Encapsulated Doping of n-Type Graphene Transistors with Extended Air Stability. <i>ACS Nano</i> , 2012, 6, 6215-6221.	14.6	76