

# Kallol Roy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11075869/publications.pdf>

Version: 2024-02-01

14  
papers

1,445  
citations

1307594

7  
h-index

1372567

10  
g-index

16  
all docs

16  
docs citations

16  
times ranked

3484  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene-MoS <sub>2</sub> hybrid structures for multifunctional photoresponsive memory devices. Nature Nanotechnology, 2013, 8, 826-830.	31.5	1,232
2	Ultrahigh Field Enhancement and Photoresponse in Atomically Separated Arrays of Plasmonic Dimers. Advanced Materials, 2015, 27, 1751-1758.	21.0	59
3	Optically active heterostructures of graphene and ultrathin MoS <sub>2</sub> . Solid State Communications, 2013, 175-176, 35-42.	1.9	42
4	Number-Resolved Single-Photon Detection with Ultralow Noise van der Waals Hybrid. Advanced Materials, 2018, 30, 1704412.	21.0	32
5	Ultra-high sensitivity infra-red detection and temperature effects in a graphene-tellurium nanowire binary hybrid. Nanoscale, 2017, 9, 9284-9290.	5.6	31
6	Interplay of charge transfer and disorder in optoelectronic response in Graphene/hBN/MoS <sub>2</sub> van der Waals heterostructures. 2D Materials, 2020, 7, 025043.	4.4	31
7	Observation of inter-layer charge transmission resonance at optically excited graphene-TMDC interfaces. APL Materials, 2020, 8, 091114.	5.1	10
8	Electrochemical Integration of Graphene with Light-Absorbing Copper-Based Thin Films. Journal of Physical Chemistry C, 2012, 116, 1200-1204.	3.1	4
9	Optoelectronic properties of graphene-MoS <sub>2</sub> hybrid. Materials Research Society Symposia Proceedings, 2013, 1505, 1.	0.1	2
10	2D van der Waals Hybrid: Structures, Properties and Devices. , 2017, , 169-238.		1
11	Extremely high near field enhancement in a novel plasmonic nano material used for photovoltage generation. Proceedings of SPIE, 2015, , .	0.8	0
12	Number Resolved Single Photon Detection. Springer Theses, 2020, , 207-228.	0.1	0
13	Review: Optoelectronic Response and van der Waals Materials. Springer Theses, 2020, , 37-77.	0.1	0
14	Photoresponse and Photon Noise in Bilayer-Graphene-MoS <sub>2</sub> Hybrids. Springer Theses, 2020, , 191-205.	0.1	0