Kallol Roy

List of Publications by Year
in descending order

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

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14	1,445	1307594 7	1372567 10
papers	citations	h-index	g-index

16	16	16	3484
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Observation of inter-layer charge transmission resonance at optically excited grapheneâ€“TMDC interfaces. APL Materials, 2020, 8, 091114.	5.1	10
2	Interplay of charge transfer and disorder in optoelectronic response in Graphene/hBN/MoS₂ van der Waals heterostructures. 2D Materials, 2020, 7, 025043.	4.4	31
3	Number Resolved Single Photon Detection. Springer Theses, 2020, , 207-228.	0.1	0
4	Review: Optoelectronic Response andÂvan der Waals Materials. Springer Theses, 2020, , 37-77.	0.1	0
5	Photoresponse and Photon Noise inÂBilayer-Graphene-MoS$$_2$$ Hybrids. Springer Theses, 2020, , 191-205.	0.1	0
6	Numberâ€Resolved Singleâ€Photon Detection with Ultralow Noise van der Waals Hybrid. Advanced Materials, 2018, 30, 1704412.	21.0	32
7	2D van der Waals Hybrid: Structures, Properties and Devices. , 2017, , 169-238.		1
8	Ultra-high sensitivity infra-red detection and temperature effects in a grapheneâ€“tellurium nanowire binary hybrid. Nanoscale, 2017, 9, 9284-9290.	5.6	31
9	Ultrahigh Field Enhancement and Photoresponse in Atomically Separated Arrays of Plasmonic Dimers. Advanced Materials, 2015, 27, 1751-1758.	21.0	59
10	Extremely high near field enhancement in a novel plasmonic nano material used for photovoltage generation. Proceedings of SPIE, 2015, , .	0.8	0
11	Grapheneâ€“MoS2 hybrid structures for multifunctional photoresponsive memory devices. Nature Nanotechnology, 2013, 8, 826-830.	31.5	1,232
12	Optically active heterostructures of graphene and ultrathin MoS2. Solid State Communications, 2013, 175-176, 35-42.	1.9	42
13	Optoelectronic properties of graphene-MoS2 hybrid. Materials Research Society Symposia Proceedings, 2013, 1505, 1.	0.1	2
14	Electrochemical Integration of Graphene with Light-Absorbing Copper-Based Thin Films. Journal of Physical Chemistry C, 2012, 116, 1200-1204.	3.1	4