Sujoy Ghosh

List of Publications by Year
in descending order

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25 papers	1,162 citations	686830 13 h-index	642321 23 g-index
25 all docs	25 docs citations	25 times ranked	2667 citing authors

#	Article	IF	Citations
1	Photosensor Device Based on Fewâ€Layered WS₂ Films. Advanced Functional Materials, 2013, 23, 5511-5517.	7.8	546
2	Electrochemical Characterization of Liquid Phase Exfoliated Two-Dimensional Layers of Molybdenum Disulfide. ACS Applied Materials & Interfaces, 2014, 6, 2125-2130.	4.0	121
3	Effect of 1- Pyrene Carboxylic-Acid Functionalization of Graphene on Its Capacitive Energy Storage. Journal of Physical Chemistry C, 2012, 116, 20688-20693.	1.5	85
4	Adsorption energy of oxygen molecules on graphene and two-dimensional tungsten disulfide. Scientific Reports, 2017, 7, 1774.	1.6	62
5	Ultrafast Intrinsic Photoresponse and Direct Evidence of Sub-gap States in Liquid Phase Exfoliated MoS2Thin Films. Scientific Reports, 2015, 5, 11272.	1.6	57
6	An integrated microfluidic platform for selective and real-time detection of thrombin biomarkers using a graphene FET. Analyst, The, 2020, 145, 4494-4503.	1.7	51
7	Selective Detection of Lysozyme Biomarker Utilizing Large Area Chemical Vapor Deposition-Grown Graphene-Based Field-Effect Transistor. Frontiers in Bioengineering and Biotechnology, 2018, 6, 29.	2.0	36
8	Fabrication and characterization of ultraviolet photosensors from ZnO nanowires prepared using chemical bath deposition method. Journal of Applied Physics, 2016, 119, 084306.	1.1	33
9	Universal ac conduction in large area atomic layers of CVD-grown MoS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 89, .	1.1	27
10	Fast photoresponse and high detectivity in copper indium selenide (CuIn 7 Se 11) phototransistors. 2D Materials, 2018, 5, 015001.	2.0	24
11	Gate-Induced Metalâ€“Insulator Transition in 2D van der Waals Layers of Copper Indium Selenide Based Field-Effect Transistors. ACS Nano, 2019, 13, 13413-13420.	7.3	20
12	Effects of Impurities on the Electrochemical Characterization of Liquid-Phase Exfoliated Niobium Diselenide Nanosheets. Journal of Physical Chemistry C, 2019, 123, 8671-8680.	1.5	18
13	Fractional photo-current dependence of graphene quantum dots prepared from carbon nanotubes. Physical Chemistry Chemical Physics, 2015, 17, 24566-24569.	1.3	14
14	Effect of underlying boron nitride thickness on photocurrent response in molybdenum disulfide - boron nitride heterostructures. Journal of Materials Research, 2016, 31, 893-899.	1.2	11
15	Low temperature photoconductivity of few layer p-type tungsten diselenide (WSe₂) field-effect transistors (FETs). Nanotechnology, 2018, 29, 484002.	1.3	11
16	Electric Double Layer Field-Effect Transistors Using Two-Dimensional (2D) Layers of Copper Indium Selenide (CuIn7Se11). Electronics (Switzerland), 2019, 8, 645.	1.8	10
17	High Performance Graphene-Based Electrochemical Double Layer Capacitors Using 1-Butyl-1-methylpyrrolidinium tris (pentafluoroethyl) trifluorophosphate Ionic Liquid as an Electrolyte. Electronics (Switzerland), 2018, 7, 229.	1.8	8
18	Sensors: Photosensor Device Based on Fewâ€Layered WS₂ Films (Adv. Funct. Mater. 44/2013). Advanced Functional Materials, 2013, 23, 5510-5510.	7.8	7

#	Article	IF	Citations
19	Influence of channel thickness on charge transport behavior of multi-layer indium selenide (InSe) field-effect transistors. 2D Materials, 2020, 7, 025030.	2.0	7
20	Broadband photocurrent spectroscopy and temperature dependence of band gap of few-layer indium selenide (InSe). Emergent Materials, 2021, 4, 1029-1036.	3.2	7
21	Role of layer thickness and field-effect mobility on photoresponsivity of indium selenide (InSe)-based phototransistors. Oxford Open Materials Science, 2020, 1, .	0.5	3
22	Laser THz Emission Spectroscopy of Gas Adsorption-Desorption Dynamics in Tungsten Disulfide Nanosheets. E-Journal of Surface Science and Nanotechnology, 2016, 14, 78-82.	0.1	2
23	Colossal piezoresistance in narrow-gap <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Eu</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2022, 106, .	1.1	2
24	Temperature programmed desorption measurements of oxygen molecules in 2D materials using laser terahertz emission microscopy. , 2016, , .		0
25	Evaluation of Local Adsorption Energy of Oxygen on Graphene using Laser THz Emission Spectroscopy. , 2016, , .		0