

Sujoy Ghosh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8567308/publications.pdf>

Version: 2024-02-01

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	Colossal piezoresistance in narrow-gap $\text{Eu}_{1-x}\text{Mn}_x\text{Te}$. Physical Review B, 2022, 106, .		
2	Broadband photocurrent spectroscopy and temperature dependence of band gap of few-layer indium selenide (InSe). Emergent Materials, 2021, 4, 1029-1036.	3.2	7
3	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
4	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
5	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
6	Gate-Induced Metal-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
7	Electric Double Layer Field-Effect Transistors Using Two-Dimensional (2D) Layers of Copper Indium Selenide ($\text{CuIn}_7\text{Se}_{11}$). Electronics (Switzerland), 2019, 8, 645.	1.8	10
8	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
9	Fast photoresponse and high detectivity in copper indium selenide ($\text{CuIn}_7\text{Se}_{11}$) phototransistors. 2D Materials, 2018, 5, 015001.	2.0	24
10	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
11	Low temperature photoconductivity of few layer p/i -type tungsten diselenide (WSe_2) field-effect transistors (FETs). Nanotechnology, 2018, 29, 484002.	1.3	11
12	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
13	Adsorption energy of oxygen molecules on graphene and two-dimensional tungsten disulfide. Scientific Reports, 2017, 7, 1774.	1.6	62
14	Temperature programmed desorption measurements of oxygen molecules in 2D materials using laser terahertz emission microscopy. , 2016, , .		0
15	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
16	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
17	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
18	Evaluation of Local Adsorption Energy of Oxygen on Graphene using Laser THz Emission Spectroscopy. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Ultrafast Intrinsic Photoresponse and Direct Evidence of Sub-gap States in Liquid Phase Exfoliated MoS ₂ Thin Films. Scientific Reports, 2015, 5, 11272.	1.6	57
20	Fractional photo-current dependence of graphene quantum dots prepared from carbon nanotubes. Physical Chemistry Chemical Physics, 2015, 17, 24566-24569.	1.3	14
21	Electrochemical Characterization of Liquid Phase Exfoliated Two-Dimensional Layers of Molybdenum Disulfide. ACS Applied Materials & Interfaces, 2014, 6, 2125-2130.	4.0	121
22	Universal ac conduction in large area atomic layers of CVD-grown MoS ₂ . Physical Review B, 2014, 89, .	1.1	27
23	Photosensor Device Based on Few-Layered WS ₂ Films. Advanced Functional Materials, 2013, 23, 5511-5517.	7.8	546
24	Sensors: Photosensor Device Based on Few-Layered WS ₂ Films (Adv. Funct. Mater. 44/2013). Advanced Functional Materials, 2013, 23, 5510-5510.	7.8	7
25	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