Pranay Ranjan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8739614/publications.pdf

Version: 2024-02-01

27	775	686830	580395
papers	citations	13 h-index	25 g-index

28	28	28	982
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrical and Optical Characterisation of CZTS Thin-Film for Sensing Applications. , 2022, , .		0
2	2D materials: increscent quantum flatland with immense potential for applications. Nano Convergence, 2022, 9, .	6.3	29
3	2D materials as a diagnostic platform for the detection and sensing of the SARS-CoV-2 virus: a bird's-eye view. Journal of Materials Chemistry B, 2021, 9, 4608-4619.	2.9	21
4	Graphene for next generation magnetic devices: A first-principles study. , 2021, , .		1
5	Chemical exfoliation synthesis of boron nitride and molybdenum disulfide 2D sheets via modified Hummersâ€™ method. Emergent Materials, 2021, 4, 645-654.	3.2	17
6	Defects signature in VOC characterization of thin-film solar cells. Solar Energy, 2021, 220, 35-42.	2.9	27
7	Graphene oxide and its derivatives as potential Ovchinnikov ferromagnets. Journal of Physics Condensed Matter, 2021, 33, 375801.	0.7	1
8	Effect of characterization probes on the properties of graphene oxide and reduced graphene oxide. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	10
9	Borophene via Micromechanical Exfoliation. Advanced Materials, 2021, 33, e2102039.	11.1	56
10	Computational analysis of chalcogenides as an inorganic hole transport layer in perovskite solar cells. Optical and Quantum Electronics, 2021, 53, 1.	1.5	12
11	Borophene: New Sensation in Flatland. Advanced Materials, 2020, 32, e2000531.	11.1	118
12	Impact of light soaking on absorber and buffer layer in thin film solar cells. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	19
13	Borophene: Freestanding Borophene and Its Hybrids (Adv. Mater. 27/2019). Advanced Materials, 2019, 31, 1970196.	11.1	10
14	Graphene Oxide Based P-N Junctions. Materials Today: Proceedings, 2019, 11, 830-832.	0.9	3
15	Dye Adsorption Behavior of Graphene Oxide. Materials Today: Proceedings, 2019, 11, 833-836.	0.9	12
16	Inducing dye-selectivity in graphene oxide for cationic dye separation applications. Materials Chemistry and Physics, 2019, 226, 350-355.	2.0	27
17	Freestanding Borophene and Its Hybrids. Advanced Materials, 2019, 31, e1900353.	11.1	195
18	Secondary Phases in CZTS Thin Films Grown Using Direct Liquid Coating Approach. Materials Today: Proceedings, 2018, 5, 99-103.	0.9	4

#	Article	IF	Citations
19	Alpha Lead Oxide (Î±â€PbO): A New 2D Material with Visible Light Sensitivity. Small, 2018, 14, e1703346.	5.2	58
20	Free Standing Graphene Oxide Films for Gas Sensing Applications. Materials Today: Proceedings, 2018, 5, 732-736.	0.9	7
21	Graphene oxide based free-standing films for humidity and hydrogen peroxide sensing. Journal of Materials Science: Materials in Electronics, 2018, 29, 15946-15956.	1.1	22
22	A Low-Cost Non-explosive Synthesis of Graphene Oxide for Scalable Applications. Scientific Reports, 2018, 8, 12007.	1.6	104
23	Free standing graphene oxide film for hydrogen peroxide sensing. AIP Conference Proceedings, 2018, , .	0.3	1
24	Experimental optimization during SERS application. AIP Conference Proceedings, 2018, , .	0.3	0
25	Au concentrationâ€dependent quenching of Raman 2D peak in graphene. Journal of Raman Spectroscopy, 2017, 48, 586-591.	1.2	15
26	Solvent free tin oxide nanoparticle for gas sensing application. AIP Conference Proceedings, 2016, , .	0.3	3
27	Temperature dependent localized surface plasmon resonance properties of supported gold nanoparticles. AIP Conference Proceedings, 2016, , .	0.3	1