Abhay Vivek Agrawal

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3803696/publications.pdf

Version: 2024-02-01

11	449	1163117	1372567
papers	citations	8 h-index	10 g-index

11	11	11	633
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A strategic review of recent progress, prospects and challenges of MoS₂-based photodetectors. Journal Physics D: Applied Physics, 2022, 55, 063002.	2.8	35
2	Low-voltage, self-powered and broadband photodetector with Ohmic, transparent and cost-effective AZO electrodes on vertical aligned MoS2 flakes. Surfaces and Interfaces, 2022, 30, 101813.	3.0	6
3	Strategy and Future Prospects to Develop Room-Temperature-Recoverable NO2 Gas Sensor Based on Two-Dimensional Molybdenum Disulfide. Nano-Micro Letters, 2021, 13, 38.	27.0	103
4	Comparison of enhanced second harmonic generation in pyramid-like in-plane MoS2 flakes to vertically aligned MoS2 flakes. Journal of Applied Physics, 2021, 129, .	2.5	4
5	Enhanced adsorption sites in monolayer MoS2 pyramid structures for highly sensitive and fast hydrogen sensor. International Journal of Hydrogen Energy, 2020, 45, 9268-9277.	7.1	36
6	Interfacial study of vertically aligned n-type MoS2 flakes heterojunction with p-type Cu-Zn-Sn-S for self-powered, fast and high performance broadband photodetector. Applied Surface Science, 2020, 514, 145901.	6.1	28
7	Nanosensors for gas sensing applications. , 2020, , 107-130.		7
8	Boosting Sensing Performance of Vacancy-Containing Vertically Aligned MoS₂ Using rGO Particles. IEEE Sensors Journal, 2019, 19, 10214-10220.	4.7	18
9	Enhance near infrared performance of n-type vertically aligned MoS₂ flakes photodetector with active p-type CZTS electrodes. Materials Research Express, 2019, 6, 115011.	1.6	19
10	Controlled Growth of MoS₂ Flakes from in-Plane to Edge-Enriched 3D Network and Their Surface-Energy Studies. ACS Applied Nano Materials, 2018, 1, 2356-2367.	5.0	44
11	Photoactivated Mixed In-Plane and Edge-Enriched p-Type MoS₂ Flake-Based NO₂ Sensor Working at Room Temperature. ACS Sensors, 2018, 3, 998-1004.	7.8	149