

Abhay Vivek Agrawal

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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1163117

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11
times ranked

633
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoactivated Mixed In-Plane and Edge-Enriched p-Type MoS ₂ Flake-Based NO ₂ Sensor Working at Room Temperature. ACS Sensors, 2018, 3, 998-1004.	7.8	149
2	Strategy and Future Prospects to Develop Room-Temperature-Recoverable NO ₂ Gas Sensor Based on Two-Dimensional Molybdenum Disulfide. Nano-Micro Letters, 2021, 13, 38.	27.0	103
3	Controlled Growth of MoS ₂ 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
4	Enhanced adsorption sites in monolayer MoS ₂ pyramid structures for highly sensitive and fast hydrogen sensor. International Journal of Hydrogen Energy, 2020, 45, 9268-9277.	7.1	36
5	A strategic review of recent progress, prospects and challenges of MoS ₂ -based photodetectors. Journal Physics D: Applied Physics, 2022, 55, 063002.	2.8	35
6	Interfacial study of vertically aligned n-type MoS ₂ 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	Enhance near infrared performance of n-type vertically aligned MoS ₂ flakes photodetector with active p-type CZTS electrodes. Materials Research Express, 2019, 6, 115011.	1.6	19
8	Boosting Sensing Performance of Vacancy-Containing Vertically Aligned MoS ₂ Using rGO Particles. IEEE Sensors Journal, 2019, 19, 10214-10220.	4.7	18
9	Nanosensors for gas sensing applications. , 2020, , 107-130.		7
10	Low-voltage, self-powered and broadband photodetector with Ohmic, transparent and cost-effective AZO electrodes on vertical aligned MoS ₂ flakes. Surfaces and Interfaces, 2022, 30, 101813.	3.0	6
11	Comparison of enhanced second harmonic generation in pyramid-like in-plane MoS ₂ flakes to vertically aligned MoS ₂ flakes. Journal of Applied Physics, 2021, 129, .	2.5	4