

Adarsh Nigam

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7364719/publications.pdf>

Version: 2024-02-01

10
papers

220
citations

1307594

7
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

237
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of self-heating on electrical characteristics of AlGaIn/ GaN HEMT on Si (111) substrate. AIP Advances, 2017, 7, .	1.3	59
2	Real time detection of Hg ²⁺ ions using MoS ₂ functionalized AlGaIn/GaN high electron mobility transistor for water quality monitoring. Sensors and Actuators B: Chemical, 2020, 309, 127832.	7.8	40
3	MPA-GSH Functionalized AlGaIn/GaN High-Electron Mobility Transistor-Based Sensor for Cadmium Ion Detection. IEEE Sensors Journal, 2019, 19, 2863-2870.	4.7	32
4	Development of semiconductor based heavy metal ion sensors for water analysis: A review. Sensors and Actuators A: Physical, 2021, 330, 112879.	4.1	29
5	PAN/(PAN-b-PMMA) derived nanoporous carbon nanofibers loaded on ZnO nanostructures for hydrogen detection. Sensors and Actuators B: Chemical, 2019, 299, 126980.	7.8	22
6	Sensitive and Selective Detection of Pb ²⁺ Ions Using 2,5-Dimercapto-1,3,4-Thiadiazole Functionalized AlGaIn/GaN High Electron Mobility Transistor. IEEE Electron Device Letters, 2019, 40, 1976-1979.	3.9	16
7	Ultrasensitive Detection of Mercury Ions Under UV Illumination of MoS ₂ Functionalized AlGaIn/GaN Transistor. IEEE Transactions on Electron Devices, 2020, 67, 5693-5700.	3.0	8
8	Mercury (II) Ion Detection Using AgNWs-MoS ₂ Nanocomposite on GaN HEMT for IoT-Enabled Smart Water Quality Analysis. IEEE Internet of Things Journal, 2022, 9, 14317-14324.	8.7	7
9	1T and 2H heterophase MoS ₂ for enhanced sensitivity of GaN transistor-based mercury ions sensor. Nanotechnology, 2022, 33, 265501.	2.6	4
10	Detection of cadmium ions Byg-C3N4 functionalization on AlGaIn/GaN high electron mobility transistor. AIP Conference Proceedings, 2020, , .	0.4	3