Neeraj Goel

List of Publications by Year
in descending order

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24	1,221	623574	752573
papers	citations	14 h-index	20 g-index

24	24	24	1746
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plasmonic Au Nanoparticles Sensitized MoSâ„‚ for Bifunctional NOâ„‚ and Light Sensing. IEEE Sensors Journal, 2021, 21, 4190-4197.	2.4	12
2	MoS₂-PVP Nanocomposites Decorated ZnO Microsheets for Efficient Hydrogen Detection. IEEE Sensors Journal, 2021, 21, 8878-8885.	2.4	15
3	Visualization of band offsets at few-layer MoS₂/Ge heterojunction. Nanotechnology, 2021, 32, 375711.	1.3	8
4	2D Materials for Terahertz Application. Nano Express, 2021, 2, 031001.	1.2	5
5	Recent advances in ultrathin 2D hexagonal boron nitride based gas sensors. Journal of Materials Chemistry C, 2021, 9, 1537-1549.	2.7	50
6	Efficient NO₂ sensing performance of a low-cost nanostructured sensor derived from molybdenite concentrate. Green Chemistry, 2020, 22, 6981-6991.	4.6	10
7	Real time detection of Hg2+ ions using MoS2 functionalized AlGaN/GaN high electron mobility transistor for water quality monitoring. Sensors and Actuators B: Chemical, 2020, 309, 127832.	4.0	40
8	Transition metal dichalcogenides-based flexible gas sensors. Sensors and Actuators A: Physical, 2020, 303, 111875.	2.0	125
9	Boosting Sensing Performance of Vacancy-Containing Vertically Aligned MoS₂ Using rGO Particles. IEEE Sensors Journal, 2019, 19, 10214-10220.	2.4	18
10	Ultraviolet photodetector based on chemical vapor deposition grown MoO3 microplates. , 2019, , .		1
11	A high-performance hydrogen sensor based on a reverse-biased MoS₂/GaN heterojunction. Nanotechnology, 2019, 30, 314001.	1.3	42
12	Growth of Large-Scale Î±-MoO3 on SiO2 and Its Uses for Efficient Hydrogen Sensing Application. , 2019, , .		0
13	Scalable Growth of High-Quality MoS2 Film by Magnetron Sputtering: Application for NO2 Gas Sensing. , 2019, , .		1
14	Growth of MoS₂â€“MoO₃ Hybrid Microflowers via Controlled Vapor Transport Process for Efficient Gas Sensing at Room Temperature. Advanced Materials Interfaces, 2018, 5, 1800071.	1.9	93
15	Enhanced sensing response with complete recovery of MoS2 sensor under photoexcitation. AIP Conference Proceedings, 2018, , .	0.3	4
16	High performance NO2 sensor using MoS2 nanowires network. Applied Physics Letters, 2018, 112, .	1.5	87
17	High-performance ultraviolet detector employing out-of-plane rGO/MoS₂ PN heterostructure. , 2018, , .		0
18	Ultrahigh Performance of Self-Powered Î²-Ga₂O₃ Thin Film Solar-Blind Photodetector Grown on Cost-Effective Si Substrate Using High-Temperature Seed Layer. ACS Photonics, 2018, 5, 2391-2401.	3.2	255

#	Article	IF	Citations
19	NO2 sensing at room temperature using vertically aligned MoS2 flakes network. AIP Conference Proceedings, 2018, , .	0.3	1
20	High-performance photodetector based on hybrid of MoS₂ and reduced graphene oxide. Nanotechnology, 2018, 29, 404001.	1.3	25
21	Wafer-scale synthesis of a uniform film of few-layer MoS₂ on GaN for 2D heterojunction ultraviolet photodetector. Journal Physics D: Applied Physics, 2018, 51, 374003.	1.3	49
22	Enhanced Carrier Density in a MoS₂/Si Heterojunction-Based Photodetector by Inverse Auger Process. IEEE Transactions on Electron Devices, 2018, 65, 4149-4154.	1.6	15
23	Determination of band alignment at two-dimensional MoS2/Si van der Waals heterojunction. Journal of Applied Physics, 2018, 123, .	1.1	19
24	UV-Activated MoS₂ Based Fast and Reversible NO₂ Sensor at Room Temperature. ACS Sensors, 2017, 2, 1744-1752.	4.0	346