

Akshay Moudgil

List of Publications by Year in descending order

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19
papers

282
citations

1040056

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docs citations

19
times ranked

339
citing authors

#	ARTICLE	IF	CITATIONS
1	Polaron Delocalization Dependence of the Conductivity and the Seebeck Coefficient in Doped Conjugated Polymers. <i>Journal of Physical Chemistry B</i> , 2022, 126, 2073-2085.	2.6	5
2	Highly Sensitive Tungsten Oxide Thin Film-Based Field-Effect Transistor for Real-Time Monitoring of Dissolved Ammonia in Human Plasma. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	8
3	In _{0.5} Se _{0.5} /Silicon-on-Insulator Heterojunction Phototransistor for Low Noise Dual-Band Detection. <i>IEEE Electron Device Letters</i> , 2021, 42, 755-758.	3.9	13
4	MoS ₂ /TiO ₂ Hybrid Nanostructure-Based Field-Effect Transistor for Highly Sensitive, Selective, and Rapid Detection of Gram-Positive Bacteria. <i>Advanced Materials Technologies</i> , 2020, 5, 1900615.	5.8	36
5	In ₂ O ₃ /TiO ₂ Heterostructure for Highly Responsive Low-Noise Ultraviolet Photodetector. <i>IEEE Transactions on Electron Devices</i> , 2020, 67, 166-172.	3.0	23
6	Highly Efficient Nanostructured PtSe ₂ FET for Toxic Gas Detection. , 2020, , .		5
7	Organic field effect transistors based on self-assembling core-modified peptidic polymers. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 847-855.	3.4	10
8	Optically Pumped Broadband Terahertz Modulator Based on Nanostructured PtSe ₂ Thin Films. <i>Advanced Optical Materials</i> , 2020, 8, 1901714.	7.3	34
9	Azurin-TiO ₂ hybrid nanostructure field effect transistor for efficient ultraviolet detection. <i>Nanotechnology</i> , 2019, 30, 495205.	2.6	21
10	Vancomycin functionalized WO ₃ thin film-based impedance sensor for efficient capture and highly selective detection of Gram-positive bacteria. <i>Biosensors and Bioelectronics</i> , 2019, 136, 23-30.	10.1	44
11	S-Layer Protein for Resistive Switching and Flexible Nonvolatile Memory Device. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4866-4873.	8.0	29
12	High speed efficient ultraviolet photodetector based on 500-nm width multiple WO ₃ nanowires. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	26
13	Metalloprotein based scalable field effect transistor with enhanced switching behaviour. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 363-369.	7.8	12
14	Azurin based flexible device for resistive switching memory application. , 2017, , .		2
15	MEMS based design and analysis of a biosensor for detection of hepatitis virus. , 2015, , .		5
16	Modelling of Phosphorus and Gallium doped Nano-GNRFET based gas sensor. , 2015, , .		3
17	MEMS based piezoelectric sensor system for virus detection. , 2015, , .		6
18	Modelling of a nano-sensor for N ₂ /O ₂ gas adsorption on Gallium and Phosphorus doped GNRFET. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	Modelling of a sensor for gas adsorption on P and Ga doped GNR/FET., 2015, , .		0