Venkat Mattela

List of Publications by Year
in descending order

9 papers	**245** citations	1163117 **8** h-index	1588992 **8** g-index
9 all docs	**9** docs citations	**9** times ranked	**264** citing authors

#	Article	IF	Citations
1	MXene/TMD Nanohybrid for the Development of Smart Electronic Textiles Based on Physical Electromechanical Sensors. Advanced Materials Interfaces, 2022, 9, .	3.7	12
2	A remarkably ultra-sensitive large area matrix of MXene based multifunctional physical sensors (pressure, strain, and temperature) for mimicking human skin. Journal of Materials Chemistry B, 2021, 9, 4523-4534.	5.8	48
3	Development of $Ti_3C_2T_x$/$NiSe_2$ Nanohybrid‐Based Large‐Area Pressure Sensors as a Smart Bed for Unobtrusive Sleep Monitoring. Advanced Materials Interfaces, 2021, 8, 2100706.	3.7	20
4	Development of $Ti_3C_2T_x$/$MoS_{2x}Se_{2(1-x)}$ Nanohybrid Multilayer Structures for Piezoresistive Mechanical Transduction. ACS Applied Electronic Materials, 2021, 3, 4091-4104.	4.3	9
5	Interlayer Exchange Coupled based Nanomagnetic Multiplier Architecture Design Methodology. IEEE Nanotechnology Magazine, 2021, , 1-1.	2.0	1
6	V_2O_5 Nanosheets for Flexible Memristors and Broadband Photodetectors. ACS Applied Nano Materials, 2019, 2, 937-947.	5.0	66
7	Direct Growth of Black Phosphorus (p-Type) on a Flexible Substrate with Dual Role of Two-Dimensional ZnO (n-Type) as Effective Passivation and Enabling Highly Stable Broadband Photodetection. ACS Applied Electronic Materials, 2019, 1, 1076-1083.	4.3	14
8	Direct, One-Step Growth of $NiSe_2$ on Cellulose Paper: A Low-Cost, Flexible, and Wearable with Smartphone Enabled Multifunctional Sensing Platform for Customized Noninvasive Personal Healthcare Monitoring. ACS Applied Electronic Materials, 2019, 1, 558-568.	4.3	60
9	Shape and Positional Anisotropy Based Area Efficient Magnetic Quantum-Dot Cellular Automata Design Methodology for Full Adder Implementation. IEEE Nanotechnology Magazine, 2018, 17, 1303-1307.	2.0	15