

# Gobinath Marappan

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

128  
citations

1307594

7  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

54  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregation behavior in naphthalene-appended diketopyrrolopyrrole derivatives and its gas adsorption impact on surface potential. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9954-9965.	5.5	34
2	Tribological Behavior of NiMoAl-Based Self-Lubricating Composites. <i>ACS Omega</i> , 2020, 5, 14669-14678.	3.5	18
3	Indium content dependent VOCs interactions in monolithic InGaN/GaN multi quantum well structures grown by MOCVD. <i>Materials Science in Semiconductor Processing</i> , 2019, 104, 104694.	4.0	14
4	VOCs adsorption induced surface potential changes on phthalocyanines: A combined experimental and theoretical approach towards food freshness monitoring. <i>Materials Letters</i> , 2022, 306, 130945.	2.6	12
5	Electrical transport properties and impedance analysis of Au/ZnO nanorods/ITO heterojunction device. <i>Nano Express</i> , 2020, 1, 030020.	2.4	12
6	Naphthalene appended diketopyrrolopyrrole derivatives functionalized on ZnO nanostructures: An investigation on gas adsorption induced surface potential changes at room temperature. <i>Materials Letters</i> , 2021, 304, 130724.	2.6	10
7	Tunable visible light enhanced triethylamine adsorption on pH dependent ZnO nanostructures: An investigation by scanning Kelvin probe. <i>Surfaces and Interfaces</i> , 2021, 27, 101507.	3.0	8
8	Self-assembly induced tunable multiple fluorescence output from a white light-emitting functionalized single I $\pi$ -conjugated molecule and implication in VOC sensing applications. <i>Materials Chemistry Frontiers</i> , 2022, 6, 1421-1436.	5.9	7
9	Design and development of novel piezoelectric nanogenerator based on pH dependent ZnO nanostructures. <i>Materials Letters</i> , 2021, 294, 129798.	2.6	5
10	Elucidation of sensing mechanism through VOCs induced surface potential changes on graphene oxide/tin oxide nanocomposites. <i>Ceramics International</i> , 2022, 48, 29152-29157.	4.8	5
11	Graphene Oxide based Gas Sensor for Triethylamine Detection at Room Temperature. <i>IOP Conference Series: Materials Science and Engineering</i> , 2022, 1219, 012031.	0.6	2
12	Surface photovoltage measurement of PM10 atmospheric aerosols collected over SRMIST-Kattankulathur campus (12.81 $\text{Å}^{\circ}$ N & 80.03 $\text{Å}^{\circ}$ E): a step towards utilization of atmospheric aerosols in optoelectronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 9590-9598.	2.2	1