

Vellaisamy A L Roy

List of Publications by Year in descending order

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13
papers

1,513
citations

687220

13
h-index

1125617

13
g-index

13
all docs

13
docs citations

13
times ranked

3029
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in magnetic iron oxideâ€“semiconductor composite nanomaterials as promising photocatalysts. <i>Nanoscale</i> , 2015, 7, 38-58.	2.8	453
2	Designed synthesis and surface engineering strategies of magnetic iron oxide nanoparticles for biomedical applications. <i>Nanoscale</i> , 2016, 8, 19421-19474.	2.8	326
3	Recent Advances of Flexible Data Storage Devices Based on Organic Nanoscaled Materials. <i>Small</i> , 2018, 14, 1703126.	5.2	135
4	Low-Cost, Disposable, Flexible and Highly Reproducible Screen Printed SERS Substrates for the Detection of Various Chemicals. <i>Scientific Reports</i> , 2015, 5, 10208.	1.6	106
5	Artificial Synapse Emulated by Charge Trappingâ€“Based Resistive Switching Device. <i>Advanced Materials Technologies</i> , 2019, 4, 1800342.	3.0	104
6	Toward non-volatile photonic memory: concept, material and design. <i>Materials Horizons</i> , 2018, 5, 641-654.	6.4	91
7	Tube-Like Ternary $\text{Fe}_2\text{O}_3 @ \text{SnO}_2 @ \text{Cu}_2\text{O}$ Sandwich Heterostructures: Synthesis and Enhanced Photocatalytic Properties. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13088-13097.	4.0	81
8	Fabrication of carboxymethyl cellulose and graphene oxide bio-nanocomposites for flexible nonvolatile resistive switching memory devices. <i>Carbohydrate Polymers</i> , 2019, 214, 213-220.	5.1	54
9	Ecofriendly UV-protective films based on poly(propylene carbonate) biocomposites filled with TiO ₂ decorated lignin. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 1030-1036.	3.6	52
10	Energy-Band Engineering for Tunable Memory Characteristics through Controlled Doping of Reduced Graphene Oxide. <i>ACS Nano</i> , 2014, 8, 1923-1931.	7.3	47
11	Rheological and antibacterial performance of sodium alginate/zinc oxide composite coating for cellulosic paper. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 167, 538-543.	2.5	28
12	Tube-like $\text{Fe}_2\text{O}_3 @ \text{Ag}/\text{AgCl}$ heterostructure: controllable synthesis and enhanced plasmonic photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 61239-61248.	1.7	22
13	Investigation on the mobility and stability in organic thin film transistors consisting of bilayer gate dielectrics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 79-84.	0.8	14