

Eswaraiah Varrla

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

4,590
citations

393982

19
h-index

676716

22
g-index

24
all docs

24
docs citations

24
times ranked

7911
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance tunability of field-effect transistors using MoS ₂ (1-x)Se _{2x} alloys. Nanotechnology, 2021, 32, 435202.	1.3	1
2	A thermally insulating vermiculite nanosheet-epoxy nanocomposite paint as a fire-resistant wood coating. Nanoscale Advances, 2021, 3, 4235-4243.	2.2	16
3	An in-field integrated capacitive sensor for rapid detection and quantification of soil moisture. Sensors and Actuators B: Chemical, 2020, 321, 128542.	4.0	38
4	Enhanced UV photodetector performance in bi-layer TiO ₂ /WO ₃ sputtered films. Applied Surface Science, 2019, 494, 575-582.	3.1	44
5	Photocatalysts for hydrogen generation and organic contaminants degradation. , 2018, , 215-236.		7
6	Photoluminescence properties of LiTi ₂ Eu _x (PO ₄) ₃ phosphor. Luminescence, 2017, 32, 11-16.	1.5	1
7	Evolution of hydrogen by few-layered black phosphorus under visible illumination. Journal of Materials Chemistry A, 2017, 5, 24874-24879.	5.2	45
8	2D black phosphorous nanosheets as a hole transporting material in perovskite solar cells. Journal of Power Sources, 2017, 371, 156-161.	4.0	52
9	Hexagonal Boron Nitride Nanosheets as High-Performance Binder-Free Fire-Resistant Wood Coatings. Small, 2017, 13, 1602456.	5.2	50
10	Vertical Single-Crystalline Organic Nanowires on Graphene: Solution-Phase Epitaxy and Optical Microcavities. Nano Letters, 2016, 16, 4754-4762.	4.5	24
11	Black Phosphorus Nanosheets: Synthesis, Characterization and Applications. Small, 2016, 12, 3480-3502.	5.2	337
12	Large-Scale Production of Size-Controlled MoS ₂ Nanosheets by Shear Exfoliation. Chemistry of Materials, 2015, 27, 1129-1139.	3.2	389
13	Scalable production of large quantities of defect-free few-layer graphene by shear exfoliation in liquids. Nature Materials, 2014, 13, 624-630.	13.3	1,958
14	Turbulence-assisted shear exfoliation of graphene using household detergent and a kitchen blender. Nanoscale, 2014, 6, 11810-11819.	2.8	241
15	Graphene-Functionalized Carbon Nanotubes for Conducting Polymer Nanocomposites and Their Improved Strain Sensing Properties. Macromolecular Chemistry and Physics, 2013, 214, 2439-2444.	1.1	27
16	One-pot synthesis of conducting graphene-polymer composites and their strain sensing application. Nanoscale, 2012, 4, 1258.	2.8	121
17	Graphene-Based Engine Oil Nanofluids for Tribological Applications. ACS Applied Materials & Interfaces, 2011, 3, 4221-4227.	4.0	366
18	Functionalized graphene reinforced thermoplastic nanocomposites as strain sensors in structural health monitoring. Journal of Materials Chemistry, 2011, 21, 12626.	6.7	172

#	ARTICLE	IF	CITATIONS
19	Top down method for synthesis of highly conducting graphene by exfoliation of graphite oxide using focused solar radiation. Journal of Materials Chemistry, 2011, 21, 6800.	6.7	158
20	Facile synthesis of one dimensional graphene wrapped carbon nanotube composites by chemical vapour deposition. Journal of Materials Chemistry, 2011, 21, 15179.	6.7	52
21	Facile and simultaneous production of metal/metal oxide dispersed graphene nano composites by solar exfoliation. Journal of Materials Chemistry, 2011, 21, 17094.	6.7	39
22	Inorganic nanotubes reinforced polyvinylidene fluoride composites as low-cost electromagnetic interference shielding materials. Nanoscale Research Letters, 2011, 6, 137.	3.1	102
23	Functionalized Grapheneâ€“PVDF Foam Composites for EMI Shielding. Macromolecular Materials and Engineering, 2011, 296, 894-898.	1.7	343
24	Electromagnetic interference (EMI) shielding of carbon nanostructured films. , 2010, , .		7