

# Vinayak Adimule

## List of Publications by Year in descending order

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43  
papers

1,041  
citations

1040056

9  
h-index

1125743

13  
g-index

46  
all docs

46  
docs citations

46  
times ranked

107  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced photoluminescence properties of Gd (x-1) Sr x O: CdO nanocores and their study of optical, structural, and morphological characteristics. <i>Materials Today Chemistry</i> , 2021, 20, 100438.	3.5	62
2	Optical, Structural and Photoluminescence Properties of Gd x SrO: CdO Nanostructures Synthesized by Co Precipitation Method. <i>Journal of Fluorescence</i> , 2021, 31, 487-499.	2.5	53
3	Morphology, structural and photoluminescence properties of shaping triple semiconductor Y <sub>x</sub> CoO:ZrO <sub>2</sub> nanostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 12164-12181.	2.2	49
4	Synthesis and Fabrication of Y-Doped ZnO Nanoparticles and Their Application as a Gas Sensor for the Detection of Ammonia. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 4586-4596.	2.5	48
5	Characterization studies of novel series of cobalt (II), nickel (II) and copper (II) complexes: DNA binding and antibacterial activity. <i>Journal of Pharmaceutical Investigation</i> , 2021, 51, 347-359.	5.3	47
6	Synthesis, Characterization of Cr Doped TeO <sub>2</sub> Nanostructures and its Application as EGFET pH Sensor. <i>Electroanalysis</i> , 2021, 33, 579-590.	2.9	46
7	Dielectric Properties of P3BT Doped ZrY <sub>2</sub> O <sub>3</sub> /CoZrY <sub>2</sub> O <sub>3</sub> Nanostructures for Low Cost Optoelectronics Applications. <i>Transactions on Electrical and Electronic Materials</i> , 2022, 23, 288-303.	1.9	45
8	Synthesis, Characterization of Hybrid Nanomaterials of Strontium, Yttrium, Copper Doped with Indole Schiff Base Derivatives Possessing Dielectric and Semiconductor Properties. <i>Lecture Notes in Electrical Engineering</i> , 2019, , 1131-1140.	0.4	34
9	A Facile Synthesis of Poly(3- $\epsilon$ -octyl thiophene):Ni <sub>0.4</sub> Sr <sub>0.6</sub> TiO <sub>3</sub> Hybrid Nanocomposites for Solar Cell Applications. <i>Macromolecular Symposia</i> , 2020, 392, 2000001.	0.7	34
10	A Facile Synthesis of Cr Doped WO <sub>3</sub> Nanostructures, Study of their Current-Voltage, Power Dissipation and Impedance Properties of Thin Films. <i>Journal of Nano Research</i> , 0, 67, 33-42.	0.8	34
11	Synthesis of hierarchical structured Gd doped $\text{Sb}_2\text{O}_4$ as an advanced nanomaterial for high performance energy storage devices. <i>Heliyon</i> , 2021, 7, e08541.	3.2	34
12	Studies on crystal structure, morphology, optical and photoluminescence properties of flake-like Sb doped Y <sub>2</sub> O <sub>3</sub> nanostructures. <i>Journal of Optics (India)</i> , 2022, 51, 173-183.	1.7	33
13	Synthesis, characterization of Cr-Gd nanocomposites doped with yttrium possessing dielectric properties. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 577, 012032.	0.6	27
14	Recent Advances in the One-Pot Synthesis of Coumarin Derivatives from Different Starting Materials Using Nanoparticles: A Review. <i>Topics in Catalysis</i> , 0, , 1.	2.8	26
15	CNT/Graphene-Assisted Flexible Thin-Film Preparation for Stretchable Electronics and Superconductors. , 2021, , 89-103.		25
16	Preparation, characterization and optical properties of chromium oxide and yttrium nanocomposites. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	23
17	Enhanced Power Conversion Efficiency of the P3BT (Poly-3-Butyl Thiophene) Doped Nanocomposites of Gd-TiO <sub>3</sub> as Working Electrode. , 2021, , 55-68.		23
18	MICROWAVE-ASSISTED SYNTHESIS OF Cr-DOPED Gd <sub>2</sub> O <sub>3</sub> NANOSTRUCTURES AND INVESTIGATION ON MORPHOLOGY, OPTICAL, AND PHOTOLUMINESCENCE PROPERTIES. <i>Nanoscience and Technology</i> , 2022, 13, 45-59.	1.8	23

#	ARTICLE	IF	CITATIONS
19	SYNTHESIS, CHARACTERISATION AND ANTICANCER ACTIVITY OF SCHIFF BASE DERIVATIVES OF 5-(2-PHENOXYPYRIDIN-3-YL)-1, 3, 4-THIAZOL-2-AMINE. International Research Journal of Pharmacy, 2014, 4, 62-66.	0.2	22
20	Synthesis, characterization of Sr-Gd nanocomposites doped with zirconium possessing electrical and optical properties. AIP Conference Proceedings, 2018, , .	0.4	22
21	Semiconductor current-voltage characteristics of some novel perovskite ionic nanocomposites of Sr <sub>0.5</sub> , Cu <sub>0.4</sub> , Y <sub>0.1</sub> and Sr <sub>0.5</sub> , Mn <sub>0.5</sub> and their electronic sensor applications. AIP Conference Proceedings, 2020, , .	0.4	22
22	Synthesis, Impedance, and Current-Voltage Characteristics of Strontium-Manganese Titanate Hybrid Nanoparticles. Macromolecular Symposia, 2020, 392, 2000002.	0.7	22
23	The Nano-Based Catalyst for the Synthesis of Benzimidazoles. Topics in Catalysis, 0, , 1.	2.8	21
24	Morphology, Characterization, and Gas Sensor Properties of Sr Doped WO <sub>3</sub> Thin Film Nanostructures. Macromolecular Symposia, 2021, 400, .	0.7	21
25	Fabrication of novel rare earth doped ionic perovskite nanomaterials of Sr <sub>0.5</sub> , Cu <sub>0.4</sub> , Y <sub>0.1</sub> and Sr <sub>0.5</sub> and Mn <sub>0.5</sub> for high power efficient energy harvesting photovoltaic cells. AIP Conference Proceedings, 2020, , .	0.4	18
26	Design, Synthesis and Cytotoxic evaluation of Novel 2-(4-N, N-Dimethyl) pyridine containing 1, 3, 4-oxadiazole moiety. , 2014, 4, 1-5.		18
27	Studies on Synthesis, Characterization of Sm <sub>x</sub> ZnO:CoO Nanocomposites and Its Effect on Photo Catalytic Degradation of Textile Dyes. Topics in Catalysis, 2022, 65, 1648-1658.	2.8	18
28	Super capacitor characteristics of novel rare earth perovskite nanomaterials of Sr <sub>0.5</sub> , Cu <sub>0.4</sub> , Y <sub>0.1</sub> . AIP Conference Proceedings, 2020, , .	0.4	17
29	A facile synthesis of Cr doped WO <sub>3</sub> nanocomposites and its effect in enhanced current-voltage and impedance characteristics of thin films. Letters on Materials, 2020, 10, 481-485.	0.7	17
30	Synthesis, characterization and impedance studies of novel nanocomposites of gadolinium titanate. IOP Conference Series: Materials Science and Engineering, 2020, 872, 012099.	0.6	16
31	A Facile Synthesis of Gadolinium Titanate (GdTiO <sub>3</sub> ) Nanomaterial and Its Effect in Enhanced Current-Voltage Characteristics of Thin Films. , 2021, , 69-78.		14
32	Highly Active Mixed Au-Pd Nanoparticles Supported on RHA Silica Through Immobilised Ionic Liquid for Suzuki Coupling Reaction. Topics in Catalysis, 0, , 1.	2.8	12
33	A Novel Mixed Ag-Pd Nanoparticles Supported on SBA Silica Through [DMAP-TMSP-DABCO]OH Basic Ionic Liquid for Suzuki Coupling Reaction. Topics in Catalysis, 0, , 1.	2.8	12
34	Biogenic Synthesis of Magnetic Palladium Nanoparticles Decorated Over Reduced Graphene Oxide Using Piper Betle Petiole Extract (Pd-rGO@Fe <sub>3</sub> O <sub>4</sub> NPs) as Heterogeneous Hybrid Nanocatalyst for Applications in Suzuki-Miyaura Coupling Reactions of Biphenyl Compounds. Topics in Catalysis, 0, , .	2.8	12
35	Samarium-decorated ZrO <sub>2</sub> @SnO <sub>2</sub> nanostructures, their electrical, optical and enhanced photoluminescence properties. Journal of Materials Science: Materials in Electronics, 2022, 33, 18699-18715.	2.2	12
36	Synthesis, Impedance And Current-Voltage Spectroscopic Characterization Of Novel Gadolinium Titanate Nano Structures. Advanced Materials Letters, 2021, 12, 21061638-21061638.	0.6	11

#	ARTICLE	IF	CITATIONS
37	Copper (II)- $\beta$ -Cyclodextrin Promoted Kabachnik-Fields Reaction: An Efficient, One-Pot Synthesis of $\beta$ -Aminophosphonates. Topics in Catalysis, 0, , 1.	2.8	11
38	Synthesis of Cs-Ag/Fe <sub>2</sub> O <sub>3</sub> Nanoparticles Using Vitis labrusca Rachis Extract as Green Hybrid Nanocatalyst for the Reduction of Arylnitro Compounds. Topics in Catalysis, 0, , .	2.8	11
39	Green Synthesis of Chitosan Supported Magnetic Palladium Nanoparticles Using Epiphyllum oxypetalum Leaf Extract (Pd-CsEo/Fe <sub>3</sub> O <sub>4</sub> NPs) as Hybrid Nanocatalyst for Suzuki-Miyaura Coupling of Thiophene. Topics in Catalysis, 0, , 1.	2.8	10
40	A Novel Silica Immobilised Acidic Ionic Liquid [BMIM][AlCl <sub>4</sub> ] as an Effective Catalyst for Biscoumarine Synthesis. Topics in Catalysis, 0, , 1.	2.8	9
41	Synthesis, characterization and cytotoxic evaluation of novel derivatives of 1, 3, 4-oxadiazole containing 5-phenyl thiophene moiety. IOSR Journal of Pharmacy and Biological Sciences, 2014, 9, 42-48.	0.1	7
42	Advanced sensors based on carbon nanomaterials. , 2022, , 259-268.		5
43	Synthesis and Catalytic Activity of Heterogenous Hybrid Nanocatalyst of Copper/Palladium MOF, RIT 62-Cu/Pd for Stille Polycondensation of Thieno[2,3-b]pyrrol-5-One Derivatives. Topics in Catalysis, 0, , .	2.8	5