

Vinayak Adimule

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Dielectric Properties of P3BT Doped ZrY2O3/CoZrY2O3 Nanostructures for Low Cost Optoelectronics Applications. Transactions on Electrical and Electronic Materials, 2022, 23, 288-303.	1.9	45
2	Studies on crystal structure, morphology, optical and photoluminescence properties of flake-like Sb doped Y2O3 nanostructures. Journal of Optics (India), 2022, 51, 173-183.	1.7	33
3	MICROWAVE-ASSISTED SYNTHESIS OF Cr-DOPED Gd2O3 NANOSTRUCTURES AND INVESTIGATION ON MORPHOLOGY, OPTICAL, AND PHOTOLUMINESCENCE PROPERTIES. Nanoscience and Technology, 2022, 13, 45-59.	1.8	23
4	Studies on Synthesis, Characterization of Smx ZnO:CoO Nanocomposites and Its Effect on Photo Catalytic Degradation of Textile Dyes. Topics in Catalysis, 2022, 65, 1648-1658.	2.8	18
5	Advanced sensors based on carbon nanomaterials. , 2022, , 259-268.		5
6	Samarium-decorated ZrO2@SnO2 nanostructures, their electrical, optical and enhanced photoluminescence properties. Journal of Materials Science: Materials in Electronics, 2022, 33, 18699-18715.	2.2	12
7	Synthesis, Characterization of Cr Doped TeO ₂ Nanostructures and its Application as EGFET pH Sensor. Electroanalysis, 2021, 33, 579-590.	2.9	46
8	Optical, Structural and Photoluminescence Properties of Gd x SrO: CdO Nanostructures Synthesized by Co Precipitation Method. Journal of Fluorescence, 2021, 31, 487-499.	2.5	53
9	Enhanced Power Conversion Efficiency of the P3BT (Poly-3-Butyl Thiophene) Doped Nanocomposites of Gd-TiO3 as Working Electrode. , 2021, , 55-68.		23
10	Morphology, structural and photoluminescence properties of shaping triple semiconductor YxCoO:ZrO2 nanostructures. Journal of Materials Science: Materials in Electronics, 2021, 32, 12164-12181.	2.2	49
11	Characterization studies of novel series of cobalt (II), nickel (II) and copper (II) complexes: DNA binding and antibacterial activity. Journal of Pharmaceutical Investigation, 2021, 51, 347-359.	5.3	47
12	Enhanced photoluminescence properties of Gd (x-1) Sr x O: CdO nanocores and their study of optical, structural, and morphological characteristics. Materials Today Chemistry, 2021, 20, 100438.	3.5	62
13	Synthesis, Impedance And Current-Voltage Spectroscopic Characterization Of Novel Gadolinium Titanate Nano Structures. Advanced Materials Letters, 2021, 12, 21061638-21061638.	0.6	11
14	CNT/Graphene-Assisted Flexible Thin-Film Preparation for Stretchable Electronics and Superconductors. , 2021, , 89-103.		25
15	A Facile Synthesis of Gadolinium Titanate (GdTiO3) Nanomaterial and Its Effect in Enhanced Current-Voltage Characteristics of Thin Films. , 2021, , 69-78.		14
16	Synthesis of hierarchical structured Gd doped $\hat{I}\pm$ -Sb2O4 as an advanced nanomaterial for high performance energy storage devices. Heliyon, 2021, 7, e08541.	3.2	34
17	Morphology, Characterization, and Gas Sensor Properties of Sr Doped WO ₃ Thin Film Nanostructures. Macromolecular Symposia, 2021, 400, .	0.7	21
18	Super capacitor characteristics of novel rare earth perovskite nanomaterials of Sr0.5, Cu0.4, YO.1. AIP Conference Proceedings, 2020, , .	0.4	17

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19	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
20	Fabrication of novel rare earth doped ionic perovskite nanomaterials of Sr _{0.5} , Cu _{0.4} , Y _{0.1} and Sr _{0.5} and Mn _{0.5} for high power efficient energy harvesting photovoltaic cells. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	18
21	Semiconductor current-voltage characteristics of some novel perovskite ionic nanocomposites of Sr _{0.5} , Cu _{0.4} , Y _{0.1} and Sr _{0.5} , Mn _{0.5} and their electronic sensor applications. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	22
22	Synthesis, Impedance, and Current-Voltage Characteristics of Strontium-Manganese Titanate Hybrid Nanoparticles. <i>Macromolecular Symposia</i> , 2020, 392, 2000002.	0.7	22
23	A Facile Synthesis of Poly(3-hexyl thiophene):Ni _{0.4} Sr _{0.6} TiO ₃ Hybrid Nanocomposites for Solar Cell Applications. <i>Macromolecular Symposia</i> , 2020, 392, 2000001.	0.7	34
24	Synthesis, characterization and impedance studies of novel nanocomposites of gadolinium titanate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 872, 012099.	0.6	16
25	A facile synthesis of Cr doped WO ₃ nanocomposites and its effect in enhanced current-voltage and impedance characteristics of thin films. <i>Letters on Materials</i> , 2020, 10, 481-485.	0.7	17
26	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
27	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
28	Preparation, characterization and optical properties of chromium oxide and yttrium nanocomposites. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	23
29	Synthesis, characterization of Sr-Gd nanocomposites doped with zirconium possessing electrical and optical properties. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	22
30	SYNTHESIS, CHARACTERISATION AND ANTICANCER ACTIVITY OF SCHIFF BASE DERIVATIVES OF 5-(2-PHENOXYPYRIDIN-3-YL)-1, 3, 4-THIADIAZOL-2-AMINE. <i>International Research Journal of Pharmacy</i> , 2014, 4, 62-66.	0.2	22
31	Synthesis, characterization and cytotoxic evaluation of novel derivatives of 1, 3, 4-oxadiazole containing 5-phenyl thiophene moiety. <i>IOSR Journal of Pharmacy and Biological Sciences</i> , 2014, 9, 42-48.	0.1	7
32	Design, Synthesis and Cytotoxic evaluation of Novel 2-(4-N, N-Dimethyl) pyridine containing 1, 3, 4-oxadiazole moiety. , 2014, 4, 1-5.		18
33	A Facile Synthesis of Cr Doped WO ₃ 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
34	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
35	Highly Active Mixed Au-Pd Nanoparticles Supported on RHA Silica Through Immobilised Ionic Liquid for Suzuki Coupling Reaction. <i>Topics in Catalysis</i> , 0, , 1.	2.8	12
36	Copper (II)-β-Cyclodextrin Promoted Kabachnik-Fields Reaction: An Efficient, One-Pot Synthesis of β-Aminophosphonates. <i>Topics in Catalysis</i> , 0, , 1.	2.8	11

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37	Green Synthesis of Chitosan Supported Magnetic Palladium Nanoparticles Using Epiphyllum oxypetalum Leaf Extract (Pd-CsEo/Fe ₃ O ₄ NPs) as Hybrid Nanocatalyst for Suzuki-Miyaura Coupling of Thiophene. Topics in Catalysis, 0, , 1.	2.8	10
38	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
39	The Nano-Based Catalyst for the Synthesis of Benzimidazoles. Topics in Catalysis, 0, , 1.	2.8	21
40	A Novel Silica Immobilised Acidic Ionic Liquid [BMIM][AlCl ₄] as an Effective Catalyst for Biscoumarine Synthesis. Topics in Catalysis, 0, , 1.	2.8	9
41	Synthesis of Cs-Ag/Fe ₂ O ₃ Nanoparticles Using Vitis labrusca Rachis Extract as Green Hybrid Nanocatalyst for the Reduction of Arylnitro Compounds. Topics in Catalysis, 0, , .	2.8	11
42	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
43	Biogenic Synthesis of Magnetic Palladium Nanoparticles Decorated Over Reduced Graphene Oxide Using Piper Betle Petiole Extract (Pd-rGO@Fe ₃ O ₄ NPs) as Heterogeneous Hybrid Nanocatalyst for Applications in Suzuki-Miyaura Coupling Reactions of Biphenyl Compounds. Topics in Catalysis, 0, , .	2.8	12