

Arunachalam Saravana Vadivu

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

323
citations

933447

10
h-index

839539

18
g-index

24
all docs

24
docs citations

24
times ranked

410
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of spherically SrWO ₄ nanomaterials via surfactant-assisted co-precipitation method: an affordable catalyst for the mitigation of carcinogenic organic dye. International Journal of Environmental Analytical Chemistry, 2022, 102, 5738-5755.	3.3	2
2	Construction of novel Bi ₂ MoO ₆ @V ₂ O ₅ nanocomposite as visible-light-driven catalyst for degradation of methylene blue dye. Journal of Materials Science: Materials in Electronics, 2022, 33, 5816-5830.	2.2	2
3	Fabrication of novel Ce ₂ (WO ₄) ₃ /ZnO@GO nanocomposite for superior photocatalytic performance under visible light and supercapacitor applications. Diamond and Related Materials, 2022, 125, 109026.	3.9	3
4	Development of visible light-driven nanorod-like MoO ₃ @ZnO nanocomposite: an affordable catalyst for the degradation of organic dye moiety. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	2
5	Elucidation of efficient dual performance in photodegradation and antibacterial activity by a promising candidate Ni-doped MoO ₃ nanostructure. Journal of Sol-Gel Science and Technology, 2021, 100, 451-465.	2.4	11
6	Visible-light-driven Pd doped Bi ²⁺ -Bi ₂ O ₃ nanocomposite: an affordable and an efficient catalyst for mitigation of noxious pollutant. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	6
7	Structural analysis of surprisingly formed CuII cubane through the specific cleavage of C-N and C-S of a Schiff base ligand and its biological activities. Materials Today: Proceedings, 2021, .	1.8	0
8	Preparation and characterization of caprine bone derived mineral substituted hydroxyapatite/phyllanthus acidus extract for biomedical applications. Materials Today: Proceedings, 2021, 49, 1730-1730.	1.8	1
9	Fabrication of pebble stone-like PbMoO ₄ nanostructure: Focus on photocatalysis, photoluminescence and electron density distribution analysis. Physica B: Condensed Matter, 2021, 620, 413222.	2.7	6
10	Spectroscopic and density functional theory (DFT) approach of zwitterionic 4-aminobenzenesulfonic acid for optoelectronic applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 4982-4997.	2.2	4
11	Photocatalytic degradation of ciprofloxacin pollutant and in-vitro cytotoxic activity of gold nanoparticles using seed extract of Abrus precatorius. Journal of Materials Science: Materials in Electronics, 2021, 32, 27498.	2.2	0
12	Rational design of novel ternary Sm ₂ WO ₆ /ZnO/GO nanocomposites: An affordable photocatalyst for the mitigation of carcinogenic organic pollutants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 596, 124721.	4.7	15
13	Development of novel Nd ₂ WO ₆ /ZnO incorporated on GO nanocomposite for the photocatalytic degradation of organic pollutants and biological studies. Journal of Materials Science: Materials in Electronics, 2019, 30, 18557-18574.	2.2	17
14	Fabrication of novel Nd ₂ O ₃ /ZnO-GO nanocomposite: An efficient photocatalyst for the degradation of organic pollutants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 567, 213-227.	4.7	67
15	EXPERIMENTAL AND THEORETICAL PERSPECTIVES ON LTRYPTOPHAN: AN AMINO ACID SINGLE CRYSTAL FOR NONLINEAR OPTICAL APPLICATIONS. Rasayan Journal of Chemistry, 2019, 12, 1219-1228.	0.4	1
16	Investigation of structural dynamics of Thrombocytopenia Cargeeg mutants of human apoptotic cytochrome c : A molecular dynamics simulation approach. Biophysical Chemistry, 2017, 230, 117-126.	2.8	12
17	Investigation of Physico-Chemical and Biological Characteristics of Various Lake Water in Coimbatore District,Tamilnadu,India. Oriental Journal of Chemistry, 2016, 32, 2087-2094.	0.3	15
18	Biocidal and catalytic efficiency of ruthenium(III) complexes with tridentate Schiff base ligands. Applied Organometallic Chemistry, 2010, 24, 491-498.	3.5	11

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19	Ruthenium(III) tetradentate Schiff-base complexes: spectral, catalytic, and its biocidal efficacy. Journal of Coordination Chemistry, 2010, 63, 1795-1806.	2.2	11
20	Tetradentate Schiff-base ruthenium(III) complexes containing triphenylphosphine/arsine as coligands: study of physico-chemical, spectrometric, catalytic, and biocidal activities. Journal of Coordination Chemistry, 2010, 63, 1440-1450.	2.2	8
21	Catalytic and antimicrobial studies of binuclear ruthenium(III) complexes containing bis- β^2 -diketones. Transition Metal Chemistry, 2009, 34, 437-445.	1.4	37
22	Mononuclear Ru(III) Schiff base complexes: Synthesis, spectral, redox, catalytic and biological activity studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 670-676.	3.9	66
23	Synthesis, spectral characterization, catalytic and antibacterial studies of new Ru(III) Schiff base complexes containing chloride/bromide and triphenylphosphine/arsine as co-ligands. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 591-596.	3.9	26
24	Photochemical properties of coordination compounds with macromolecular ligands. Journal of Photochemistry and Photobiology, 1981, 17, 151.	0.6	0