Arunachalam Saravana Vadivu

List of Publications by Year
in descending order

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24	323	933447 10	839539 18
papers	citations	h-index	g-index

24	24	24	410
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fabrication of novel Nd2O3/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
2	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
3	Catalytic and antimicrobial studies of binuclear ruthenium(III) complexes containing bis-Î²-diketones. Transition Metal Chemistry, 2009, 34, 437-445.	1.4	37
4	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
5	Development of novel Nd2WO6/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
6	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
7	Rational design of novel ternary Sm2WO6/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
8	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
9	Biocidal and catalytic efficiency of ruthenium(III) complexes with tridentate Schiff base ligands. Applied Organometallic Chemistry, 2010, 24, 491-498.	3.5	11
10	Ruthenium(III) tetradentate Schiff-base complexes: spectral, catalytic, and its biocidal efficacy. Journal of Coordination Chemistry, 2010, 63, 1795-1806.	2.2	11
11	Elucidation of efficient dual performance in photodegradation and antibacterial activity by a promising candidate Ni-doped MoO3 nanostructure. Journal of Sol-Gel Science and Technology, 2021, 100, 451-465.	2.4	11
12	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
13	Visible-light-driven Pd doped Î²-Bi2O3 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
14	Fabrication of pebble stone-like PbMoO4 nanostructure: Focus on photocatalysis, photoluminescence and electron density distribution analysis. Physica B: Condensed Matter, 2021, 620, 413222.	2.7	6
15	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
16	Fabrication of novel Ce2(WO4)3/ZnO@GO nanocomposite for superior photocatalytic performance under visible light and supercapacitor applications. Diamond and Related Materials, 2022, 125, 109026.	3.9	3
17	Facile synthesis of spherically SrWO₄ 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
18	Construction of novel Bi2MoO6@V2O5 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

#	Article	IF	Citations
19	Development of visible light-driven nanorod-like MoO3@ZnO nanocomposite: an affordable catalyst for the degradation of organic dye moiety. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	2
20	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
21	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
22	Photochemical properties of coordination compounds with macromolecular ligands. Journal of Photochemistry and Photobiology, 1981, 17, 151.	0.6	0
23	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
24	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