

Velmurugan R

List of Publications by Year in descending order

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30
papers

1,075
citations

471509

17
h-index

552781

26
g-index

30
all docs

30
docs citations

30
times ranked

1265
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Ce co-doped Ag ⁺ ZnO photocatalyst with excellent performance for NBB dye degradation under natural sunlight illumination. <i>Catalysis Science and Technology</i> , 2012, 2, 2319.	4.1	190
2	An efficient nanostructured ZnO for dye sensitized degradation of Reactive Red 120 dye under solar light. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 942-950.	6.2	175
3	Influence of operational parameters on photodegradation of Acid Black 1 with ZnO. <i>Desalination and Water Treatment</i> , 2010, 24, 132-139.	1.0	92
4	Preparation and characterization of carbon nanoparticles loaded TiO ₂ and its catalytic activity driven by natural sunlight. <i>Solar Energy Materials and Solar Cells</i> , 2013, 108, 205-212.	6.2	80
5	An efficient reusable and antiphotocorrosive nano ZnO for the mineralization of Reactive Orange 4 under UV-A light. <i>Separation and Purification Technology</i> , 2011, 80, 119-124.	7.9	75
6	Photocatalytic activity of surface fluorinated TiO ₂ -P25 in the degradation of Reactive Orange 4. <i>Journal of Hazardous Materials</i> , 2009, 172, 914-921.	12.4	58
7	TiO ₂ “SO ₄ ” as a novel solid acid catalyst for highly efficient, solvent free and easy synthesis of chalcones under microwave irradiation. <i>Catalysis Communications</i> , 2011, 12, 375-379.	3.3	55
8	An efficient protocol for the green synthesis of quinoxaline and dipyrrophenazine derivatives at room temperature using sulfated titania. <i>Catalysis Communications</i> , 2010, 11, 997-1002.	3.3	44
9	Structural and molecular docking studies of biologically active mercaptoprimidine Schiff bases. <i>Journal of Molecular Structure</i> , 2017, 1127, 345-354.	3.6	37
10	Solar active nano-TiO ₂ for mineralization of Reactive Red 120 and Trypan Blue. <i>Arabian Journal of Chemistry</i> , 2012, 5, 447-452.	4.9	31
11	A simple one pot nano titania mediated green synthesis of 2-alkylbenzimidazoles and indazole from aromatic azides under UV and solar light. <i>Catalysis Communications</i> , 2009, 11, 280-284.	3.3	30
12	Mesoporous nitrogen doped nano titania“ A green photocatalyst for the effective reductive cleavage of azoxybenzenes to amines or 2-phenyl indazoles in methanol. <i>Applied Catalysis A: General</i> , 2012, 413-414, 213-222.	4.3	27
13	Photodegradation of an azo dye with reusable SrF ₂ “TiO ₂ under UV light and influence of operational parameters. <i>Separation and Purification Technology</i> , 2012, 101, 98-106.	7.9	24
14	Synthesis of Pd co-doped nano-TiO ₂ “SO ₄ ” and its synergetic effect on the solar photodegradation of Reactive Red 120 dye. <i>Materials Science in Semiconductor Processing</i> , 2014, 25, 163-172.	4.0	24
15	Direct electrochemistry and electrocatalysis of reduced glutathione on CNFs“PDDA/PB nanocomposite film modified ITO electrode for biosensors. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 83, 347-354.	5.0	23
16	Novel indole derivatives as potential anticancer agents: Design, synthesis and biological screening. <i>Medicinal Chemistry Research</i> , 2018, 27, 321-331.	2.4	22
17	Synthesis, structure, and pharmacological evaluation of Co(III) complex containing tridentate Schiff base ligand. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2015, 41, 345-352.	1.0	19
18	Preparation, characterization and photocatalytic activity of acidic sulfated nano titania for the degradation of Reactive Orange 4 under UV light. <i>Separation and Purification Technology</i> , 2011, 77, 245-250.	7.9	17

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19	A study of mechanism and operational parameters on solar light-induced degradation of Reactive Red 120 dye with AgBr-loaded TiO ₂ . <i>Research on Chemical Intermediates</i> , 2015, 41, 1227-1241.	2.7	15
20	2-Aminopyridinium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o1821-o1821.	0.2	7
21	Sonochemical synthesis and characterization of barium fluoride-titanium dioxide nanocomposites and activity for photodegradation of Trypan Blue dye. <i>Materials Science in Semiconductor Processing</i> , 2014, 27, 654-664.	4.0	7
22	Synthesis, molecular docking, antibacterial, antioxidant, and cytotoxicity activities of novel pyrido-cyclopenta[<i>b</i>]indole analogs. <i>Synthetic Communications</i> , 2020, 50, 1176-1189.	2.1	6
23	Benzamide-picric acid (1/1). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o1820-o1820.	0.2	5
24	Cocrystallization of Diphenylamine and Picric acid (1:2). <i>X-ray Structure Analysis Online</i> , 2012, 28, 31-32.	0.2	4
25	Synthesis, Characterization, Single-Crystal XRD, and Biological Evaluation of Nickel(II) Salen Sulfadiazine Complex. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 1751-1758.	0.6	3
26	2-(1,2,3,4-Tetrahydro-9H-carbazol-1-ylidene)propanedinitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o2965-o2965.	0.2	2
27	6-Bromo-2-[(E)-thiophen-2-ylmethylidene]-2,3,4,9-tetrahydro-1H-carbazol-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o3271-o3271.	0.2	1
28	2-(6-Methyl-2,3,4,9-tetrahydro-1H-carbazol-1-ylidene)propanedinitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o3270-o3270.	0.2	1
29	6-Bromo-2-(3-phenylallylidene)-2,3,4,9-tetrahydro-1H-carbazol-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o3269-o3269.	0.2	1
30	2-(6-Chloro-2,3,4,9-tetrahydro-1H-carbazol-1-ylidene)propanedinitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o3268-o3268.	0.2	0