

Umesh R Pratap

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

814
citations

567281

15
h-index

526287

27
g-index

53
all docs

53
docs citations

53
times ranked

827
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Ag ₂ V ₄ O ₁₁ nanoflakes mediated photoactivation of peroxy monosulfate ion for enhanced dye degradation and intrinsic bactericidal activity. <i>Materials Science in Semiconductor Processing</i> , 2022, 143, 106526.	4.0	17
2	An insight into the thermodynamic investigation of important metabolite (KCl)-methyl nicotinate in aqueous solution at various temperatures. <i>Chemical Thermodynamics and Thermal Analysis</i> , 2022, 6, 100055.	1.5	2
3	Investigation of the thermodynamic and compressibility properties of antihypertensive drug Hydralazine hydrochloride in aqueous and aqueous amino acids solutions at various temperatures. <i>Journal of Molecular Liquids</i> , 2021, 321, 114755.	4.9	9
4	CoSe ₂ nanoflakes: An artificial nanoenzyme with excellent peroxidase like activity. <i>Inorganic Chemistry Communication</i> , 2021, 126, 108461.	3.9	15
5	Self-assembled CoSe ₂ microspheres with intrinsic peroxidase mimicking activity for efficient degradation of variety of dyes. <i>ChemistrySelect</i> , 2021, 6, 5043-5051.	1.5	9
6	Investigation of molecular interactions of a drug Isoprenaline Hydrochloride-L-alanine in water at different temperatures. <i>Journal of Molecular Liquids</i> , 2021, 337, 116580.	4.9	3
7	Studies of solute-solvent interactions of imidazolium-based ionic liquid in water and aqueous L-alanine solution via volumetric and compressibility properties at T = (293.15–313.15) K. <i>Journal of Chemical Thermodynamics</i> , 2021, 162, 106561.	2.0	11
8	Green synthesis of pyranopyrazoles via biocatalytic one-pot Knoevenagel condensation-Michael-type addition-heterocyclization cascade in non-aqueous media. <i>Research on Chemical Intermediates</i> , 2020, 46, 2805-2816.	2.7	15
9	Facile synthesis of benzazoles through biocatalytic cyclization and dehydrogenation employing catalase in water. <i>Enzyme and Microbial Technology</i> , 2020, 138, 109562.	3.2	4
10	Rutile TiO ₂ /CoSe nanocomposite: An efficient photocatalyst for photodegradation of model organic dyes under visible light irradiation. <i>Journal of Molecular Liquids</i> , 2019, 279, 434-443.	4.9	20
11	Biocatalytic one-pot three-component synthesis of 4H-chromene derivatives in non-aqueous medium. <i>Chemical Papers</i> , 2019, 73, 1301-1307.	2.2	8
12	A facile microwave assisted fabrication of nano Ag ₂ ZrO ₃ : An efficient visible light harvesting photocatalyst. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, e13071.	2.3	10
13	Nano-Nickel Aluminates: A Sustainable Nanocatalyst for Solvent-Free Acetylation of Alcohols Phenols and Amines. <i>ChemistrySelect</i> , 2018, 3, 2515-2522.	1.5	11
14	Molecular interactions of Pyridinium DIL with D-glucose: Volumetric, acoustic and viscometric approach. <i>Journal of Molecular Liquids</i> , 2018, 257, 132-143.	4.9	2
15	Microwave-assisted optimized route for the synthesis of CoSe ₂ nanoflakes: an efficient material for adsorptive removal of Rhodamine B. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2868-2877.	3.2	5
16	Low temperature synthesis of pure anatase carbon doped titanium dioxide: An efficient visible light active photocatalyst. <i>Materials Science in Semiconductor Processing</i> , 2017, 63, 18-24.	4.0	36
17	Influence of D-glucose on solvation behavior of Bis C ₃ (mim) Br ₂ . <i>Journal of Molecular Liquids</i> , 2017, 232, 94-104.	4.9	4
18	Syntheses of biodynamic heterocycles: baker's yeast-assisted cyclocondensations of organic nucleophiles and phenacyl chlorides. <i>Research on Chemical Intermediates</i> , 2017, 43, 4327-4337.	2.7	11

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19	Investigation of Volumetric and Acoustic Properties of Procainamide Hydrochloride in Aqueous Binary and (Water + Amino Acid) Ternary Mixtures at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 4083-4092.	1.9	14
20	<i>Saccharomyces cerevisiae</i> Catalyzed Cyclocondensation Reaction: Synthesis of Pyrazoline. <i>Hindawi Journal of Chemistry</i> , 2016, 2016, 1-4.	1.6	2
21	Conjugate addition of malononitrile on chalcone: Biocatalytic C C bond formation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, 124-126.	1.8	9
22	One-Pot Three-Component Synthesis of 2-Amino Pyrimidines in Aqueous PEG-400 at Ambient Temperature. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 1626-1630.	2.6	7
23	Volumetric and ultrasonic approach in the investigation of critical micellar phenomenon of amphiphilic drugs in aqueous solutions at different temperatures. <i>Journal of Molecular Liquids</i> , 2016, 214, 117-127.	4.9	20
24	Synthesis and antihyperglycemic evaluation of new 2,4-thiazolidinediones having biodynamic aryl sulfonylurea moieties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 436-439.	2.2	29
25	An alternative synthetic route for an antidiabetic drug, rosiglitazone. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 924-928.	2.2	34
26	An Efficient Synthesis of New Pyrazolines and Isoxazolines Bearing Thiazolyl and Etheral Pharmacophores. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 2012-2016.	1.9	5
27	Synthesis of 5-arylidene-2,4-thiazolidinediones by Knoevenagel condensation catalyzed by baker's yeast. <i>New Journal of Chemistry</i> , 2011, 35, 49-51.	2.8	64
28	A convenient synthesis of novel 2,3,4-trisubstituted 1,5-benzothiazepines bearing a sulfonyl pharmacophore. <i>Journal of Sulfur Chemistry</i> , 2011, 32, 303-309.	2.0	6
29	Baker's yeast catalyzed one-pot three-component synthesis of polyfunctionalized 4H-pyrans. <i>Tetrahedron Letters</i> , 2011, 52, 5817-5819.	1.4	60
30	Baker's yeast catalyzed synthesis of 1,4-benzothiazines, performed under ultrasonication. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 68, 94-97.	1.8	30
31	Silica chloride catalyzed one-pot synthesis of fully substituted pyrazoles. <i>Chinese Chemical Letters</i> , 2011, 22, 1187-1187.	9.0	10
32	Synthesis of New dihydropyrimidinones catalysed by dicationic ionic liquid. <i>Journal of Chemical Sciences</i> , 2011, 123, 645-655.	1.5	14
33	Dicationic Ionic Liquid Mediated Synthesis of 5-Arylidene-2,4-thiazolidinediones. <i>Chinese Journal of Chemistry</i> , 2011, 29, 942-946.	4.9	18
34	<i>Saccharomyces cerevisiae</i> catalyzed one-pot three component synthesis of 2,3-diaryl-4-thiazolidinones. <i>Tetrahedron Letters</i> , 2011, 52, 1689-1691.	1.4	69
35	Synthetic Route for New (Z)-5-[4-(2-Chloroquinolin-3-yl) Methoxy]benzylidene-thiazolidine-2,4-diones. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 2171-2177.	1.9	4
36	Water-mediated one-pot synthetic route for pyrazolo[3,4-b]quinolines. <i>Tetrahedron Letters</i> , 2010, 51, 3980-3982.	1.4	45

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37	One-pot synthesis of 2-aminothiazoles in PEG-400. Chinese Chemical Letters, 2010, 21, 412-416.	9.0	29
38	Synthesis of 2-Arylbenzothiazoles Catalyzed by Biomimetic Catalyst, β -Cyclodextrin. Bulletin of the Korean Chemical Society, 2010, 31, 2329-2332.	1.9	34
39	Bakers'™ yeast catalyzed synthesis of benzothiazoles in an organic medium. Tetrahedron Letters, 2009, 50, 1352-1354.	1.4	83
40	An efficient synthetic route for quinazoliny 4-thiazolidinones. Tetrahedron Letters, 2009, 50, 5025-5027.	1.4	36