

# 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	Baker's™ yeast catalyzed synthesis of benzothiazoles in an organic medium. Tetrahedron Letters, 2009, 50, 1352-1354.	1.4	83
2	Saccharomyces cerevisiae catalyzed one-pot three component synthesis of 2,3-diaryl-4-thiazolidinones. Tetrahedron Letters, 2011, 52, 1689-1691.	1.4	69
3	Synthesis of 5-arylidene-2,4-thiazolidinediones by Knoevenagel condensation catalyzed by baker's yeast. New Journal of Chemistry, 2011, 35, 49-51.	2.8	64
4	Baker's™ yeast catalyzed one-pot three-component synthesis of polyfunctionalized 4H-pyrans. Tetrahedron Letters, 2011, 52, 5817-5819.	1.4	60
5	Water-mediated one-pot synthetic route for pyrazolo[3,4-b]quinolines. Tetrahedron Letters, 2010, 51, 3980-3982.	1.4	45
6	An efficient synthetic route for quinazoliny 4-thiazolidinones. Tetrahedron Letters, 2009, 50, 5025-5027.	1.4	36
7	Low temperature synthesis of pure anatase carbon doped titanium dioxide: An efficient visible light active photocatalyst. Materials Science in Semiconductor Processing, 2017, 63, 18-24.	4.0	36
8	An alternative synthetic route for an antidiabetic drug, rosiglitazone. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 924-928.	2.2	34
9	Synthesis of 2-Arylbzothiazoles Catalyzed by Biomimetic Catalyst, $\beta$ -Cyclodextrin. Bulletin of the Korean Chemical Society, 2010, 31, 2329-2332.	1.9	34
10	Baker's yeast catalyzed synthesis of 1,4-benzothiazines, performed under ultrasonication. Journal of Molecular Catalysis B: Enzymatic, 2011, 68, 94-97.	1.8	30
11	One-pot synthesis of 2-aminothiazoles in PEG-400. Chinese Chemical Letters, 2010, 21, 412-416.	9.0	29
12	Synthesis and antihyperglycemic evaluation of new 2,4-thiazolidinediones having biodynamic aryl sulfonylurea moieties. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 436-439.	2.2	29
13	Volumetric and ultrasonic approach in the investigation of critical micellar phenomenon of amphiphilic drugs in aqueous solutions at different temperatures. Journal of Molecular Liquids, 2016, 214, 117-127.	4.9	20
14	Rutile TiO <sub>2</sub> /CoSe nanocomposite: An efficient photocatalyst for photodegradation of model organic dyes under visible light irradiation. Journal of Molecular Liquids, 2019, 279, 434-443.	4.9	20
15	Dicationic Ionic Liquid Mediated Synthesis of 5-Arylidene-2,4-thiazolidinediones. Chinese Journal of Chemistry, 2011, 29, 942-946.	4.9	18
16	Synthesis of Ag <sub>2</sub> V <sub>4</sub> O <sub>11</sub> nanoflakes mediated photoactivation of peroxy monosulfate ion for enhanced dye degradation and intrinsic bactericidal activity. Materials Science in Semiconductor Processing, 2022, 143, 106526.	4.0	17
17	Green synthesis of pyranopyrazoles via biocatalytic one-pot Knoevenagel condensation-Michael-type addition-heterocyclization cascade in non-aqueous media. Research on Chemical Intermediates, 2020, 46, 2805-2816.	2.7	15
18	CoSe <sub>2</sub> nanoflakes: An artificial nanoenzyme with excellent peroxidase like activity. Inorganic Chemistry Communication, 2021, 126, 108461.	3.9	15

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19	Synthesis of New dihydropyrimidinones catalysed by dicationic ionic liquid. <i>Journal of Chemical Sciences</i> , 2011, 123, 645-655.	1.5	14
20	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 &amp; Engineering Data</i> , 2017, 62, 4083-4092.	1.9	14
21	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
22	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
23	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
24	Silica chloride catalyzed one-pot synthesis of fully substituted pyrazoles. <i>Chinese Chemical Letters</i> , 2011, 22, 1187-1187.	9.0	10
25	A facile microwave assisted fabrication of nano Ag <sub>2</sub> ZrO <sub>3</sub> : An efficient visible light harvesting photocatalyst. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, e13071.	2.3	10
26	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
27	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
28	Self-assembled CoSe <sub>2</sub> Microspheres with Intrinsic Peroxidase Mimicking Activity for Efficient Degradation of Variety of Dyes. <i>ChemistrySelect</i> , 2021, 6, 5043-5051.	1.5	9
29	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
30	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
31	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
32	Microwave-assisted optimized route for the synthesis of CoSe <sub>2</sub> 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
33	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
34	Influence of d -glucose on solvation behavior of Bis C <sub>3</sub> (mim) Br <sub>2</sub> . <i>Journal of Molecular Liquids</i> , 2017, 232, 94-104.	4.9	4
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Investigation of molecular interactions of a drug Isoprenaline Hydrochloride-L-alanine in water at different temperatures. Journal of Molecular Liquids, 2021, 337, 116580.	4.9	3
38	Saccharomyces cerevisiae Catalyzed Cyclocondensation Reaction: Synthesis of Pyrazoline. Hindawi Journal of Chemistry, 2016, 2016, 1-4.	1.6	2
39	Molecular interactions of Pyridinium DIL with D-glucose: Volumetric, acoustic and viscometric approach. Journal of Molecular Liquids, 2018, 257, 132-143.	4.9	2
40	An insight into the thermodynamic investigation of important metabolite(KCl)-methyl nicotinate in aqueous solution at various temperatures. Chemical Thermodynamics and Thermal Analysis, 2022, 6, 100055.	1.5	2