Bubun Banerjee

List of Publications by Year
in descending order

95 papers	2,108 citations	218592 26 h-index	243529 44 g-index
98 all docs	98 docs citations	98 times ranked	1479 citing authors

#	Article	IF	Citations
1	Facile and One-Pot Access to Diverse and Densely Functionalized 2-Amino-3-cyano-4H-pyrans and Pyran-Annulated Heterocyclic Scaffolds via an Eco-Friendly Multicomponent Reaction at Room Temperature Using Urea as a Novel Organo-Catalyst. ACS Sustainable Chemistry and Engineering, 2014, 2, 411-422.	3.2	264
2	Recent developments on ultrasound-assisted one-pot multicomponent synthesis of biologically relevant heterocycles. Ultrasonics Sonochemistry, 2017, 35, 15-35.	3.8	192
3	Recent developments on ultrasound assisted catalyst-free organic synthesis. Ultrasonics Sonochemistry, 2017, 35, 1-14.	3.8	171
4	Recent developments in the synthesis of biologically relevant selenium-containing scaffolds. Coordination Chemistry Reviews, 2017, 339, 104-127.	9.5	136
5	Facile and One-Pot Access of 3,3-Bis(indol-3-yl)indolin-2-ones and 2,2-Bis(indol-3-yl)acenaphthylen-1(2H)-one Derivatives via an Eco-Friendly Pseudo-Multicomponent Reaction at Room Temperature Using Sulfamic Acid as an Organo-Catalyst. ACS Sustainable Chemistry and Engineering, 2014, 2, 2802-2812.	3.2	77
6	Facile and Chemically Sustainable Oneâ€Pot Synthesis of a Wide Array of Fused Oâ€•and Nâ€Heterocycles Catalyzed by Trisodium Citrate Dihydrate under Ambient Conditions. Asian Journal of Organic Chemistry, 2016, 5, 271-286.	1.3	71
7	Ecoâ€friendly, Oneâ€Pot Multicomponent Synthesis of Pyran Annulated Heterocyclic Scaffolds at Room Temperature Using Ammonium or Sodium Formate as Nonâ€toxic Catalyst. Journal of Heterocyclic Chemistry, 2014, 51, E303.	1.4	53
8	Recent Developments on Organo-bicyclo-bases Catalyzed Multicomponent Synthesis of Biologically Relevant Heterocycles. Current Organic Chemistry, 2018, 22, 208-233.	0.9	52
9	Catalyst-Free Organic Synthesis At Room Temperature in Aqueous and Non-Aqueous Media: An Emerging Field of Green Chemistry Practice and Sustainability. Current Green Chemistry, 2015, 2, 274-305.	0.7	52
10	A Comparison Between Catalystâ€Free and ZrOCl₂â‹…8H₂Oâ€Catalyzed Strecker Reactions for the Rapid and Solventâ€Free Oneâ€Pot Synthesis of Racemic Î±â€Aminonitrile Derivatives. Asian Journal of Organic Chemistry, 2012, 1, 251-258.	1.3	49
11	Recent developments on nano-ZnO catalyzed synthesis of bioactive heterocycles. Journal of Nanostructure in Chemistry, 2017, 7, 389-413.	5.3	45
12	Sunlight-induced rapid and efficient biogenic synthesis of silver nanoparticles using aqueous leaf extract of Ocimum sanctum Linn. with enhanced antibacterial activity. Organic and Medicinal Chemistry Letters, 2014, 4, 18.	2.0	44
13	Magnetically Separable Transition Metal Ferrites: Versatile Heterogeneous Nanoâ€Catalysts for the Synthesis of Diverse Bioactive Heterocycles. ChemistrySelect, 2019, 4, 2181-2199.	0.7	43
14	Tetrabutylammonium Bromide (TBAB) Catalyzed Synthesis of Bioactive Heterocycles. Molecules, 2020, 25, 5918.	1.7	40
15	Ammonium Chloride Catalysed One-pot Multicomponent Synthesis of 1,8-dioxo-octahydroxanthenes and N-aryl-1,8-dioxodecahydroacridines Under Solvent Free Conditions. Journal of Chemical Research, 2014, 38, 745-750.	0.6	39
16	Ultrasound and Ionic Liquid: An Ideal Combination for Organic Transformations. ChemistrySelect, 2018, 3, 5283-5295.	0.7	39
17	Camphorsulfonic Acid (CSA): An Efficient Organocatalyst for the Synthesis or Derivatization of Heterocycles with Biologically Promising Activities. Current Green Chemistry, 2018, 5, 150-167.	0.7	39
18	[Bmim]BF₄: A Versatile Ionic Liquid for the Synthesis of Diverse Bioactive Heterocycles. ChemistrySelect, 2017, 2, 8362-8376.	0.7	38

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19	Recent developments on ultrasound-assisted organic synthesis in aqueous medium. Journal of the Serbian Chemical Society, 2017, 82, 755-790.	0.4	37
20	Ultrasound and Nanoâ€Catalysts: An Ideal and Sustainable Combination to Carry out Diverse Organic Transformations. ChemistrySelect, 2019, 4, 2484-2500.	0.7	36
21	Recent Developments on Ultrasound-Assisted Synthesis of Bioactive N-Heterocycles at Ambient Temperature. Australian Journal of Chemistry, 2017, 70, 872.	0.5	35
22	Ceric ammonium nitrate (CAN): an efficient and eco-friendly catalyst for the one-pot synthesis of alkyl/aryl/heteroaryl-substituted bis(6-aminouracil-5-yl)methanes at room temperature. RSC Advances, 2015, 5, 39263-39269.	1.7	34
23	Bismuth(III) triflate: An Efficient Catalyst for the Synthesis of Diverse Biologically Relevant Heterocycles. ChemistrySelect, 2017, 2, 6744-6757.	0.7	31
24	Catalytic Applications of Saccharin and its Derivatives in Organic Synthesis. Current Organic Chemistry, 2020, 23, 3191-3205.	0.9	31
25	Mandelic acid catalyzed one-pot three-component synthesis of Î±-aminonitriles and Î±-aminophosphonates under solvent-free conditions at room temperature. Synthetic Communications, 2020, 50, 1545-1560.	1.1	31
26	Facile synthesis of symmetrical bis(benzhydryl)ethers using p-toluenesulfonyl chloride under solvent-free conditions. Organic and Medicinal Chemistry Letters, 2013, 3, 1.	2.0	29
27	Recent Developments on the Synthesis of Biologically Significant bis/tris(indolyl)methanes under Various Reaction Conditions: A Review. Current Organic Chemistry, 2020, 24, 583-621.	0.9	25
28	Camphor sulfonic acid catalyzed facile and general method for the synthesis of 3,3'-(arylmethylene)bis(4-hydroxy-2H-chromen-2-ones), 3,3'-(arylmethylene)bis(2-hydroxynaphthalene-1,4-diones) and 3,3'-(2-oxoindoline-3,3-diyl)bis(2-hydroxynaphthalene-1,4-dione) derivatives at room temperature. Synthetic Communications, 2021, 51, 1045-1057.	1.1	24
29	Camphor sulfonic acid catalyzed a simple, facile, and general method for the synthesis of 2-arylbenzothiazoles, 2-arylbenzimidazoles, and 3H-spiro[benzo[d]thiazole-2,3â€²-indolin]-2â€²-ones at room temperature. Synthetic Communications, 2021, 51, 1100-1120.	1.1	24
30	Naturally Occurring Organic Acid-catalyzed Facile Diastereoselective Synthesis of Biologically Active (E)-3-(arylimino)indolin-2-one Derivatives in Water at Room Temperature. Current Organic Chemistry, 2019, 23, 1778-1788.	0.9	24
31	Sulfamic Acid-Catalyzed Carbon-Carbon and Carbon-Heteroatom Bond Forming Reactions: An Overview. Current Organocatalysis, 2016, 3, 93-124.	0.3	23
32	Oneâ€Pot Pseudo Five Component Synthesis of Biologically Relevant 1,2,6â€Triarylâ€4â€arylaminoâ€piperidineâ€3â€eneâ€3â€carboxylates: A Decade Update. ChemistrySelect, 2018, 3, 9892-9910.	0.7	22
33	pâ€Dodecylbenzenesulfonic Acid: An Efficient BrÃ¸nsted Acidâ€Surfactantâ€Combined Catalyst to Carry out Diverse Organic Transformations in Aqueous Medium. ChemistrySelect, 2018, 3, 12918-12936.	0.7	22
34	A general method for the synthesis of structurally diverse quinoxalines and pyrido-pyrazine derivatives using camphor sulfonic acid as an efficient organo-catalyst at room temperature. Synthetic Communications, 2021, 51, 1121-1131.	1.1	19
35	[Bmim]PF6: An efficient tool for the synthesis of diverse bioactive heterocycles. Journal of the Serbian Chemical Society, 2018, 83, 1071-1097.	0.4	19
36	A General Method for the Synthesis of 3,3-bis(indol-3-yl)indolin-2-ones, bis(indol-3-yl)(aryl)methanes and tris(indol-3-yl)methanes Using Naturally Occurring Mandelic Acid as an Efficient Organo-catalyst in Aqueous Ethanol at Room Temperature. Current Green Chemistry, 2020, 7, 128-140.	0.7	18

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37	Mandelic Acid: An Efficient Organo-catalyst for the Synthesis of 3-substituted-3-Hydroxy-indolin-2-ones and Related Derivatives in Aqueous Ethanol at Room Temperature. Current Organocatalysis, 2021, 8, 147-159.	0.3	15
38	Ultrasound-assisted synthesis of bioactive S-heterocycles. Synthetic Communications, 2021, 51, 3209-3236.	1.1	15
39	Microwave Assisted Catalyst-free Synthesis of Bioactive Heterocycles. Current Microwave Chemistry, 2020, 7, 5-22.	0.2	15
40	Room Temperature Metal-Free Synthesis of Aryl/Heteroaryl-Substituted Bis(6-aminouracil-5-yl)methanes Using Sulfamic Acid (NH2SO3H) as an Efficient and Eco-friendly Organo-Catalyst. Current Organocatalysis, 2016, 3, 125-132.	0.3	14
41	p-Sulfonic Acid Calix[n]arene Catalyzed Synthesis of Bioactive Heterocycles: A Review. Current Organic Chemistry, 2021, 25, 209-222.	0.9	12
42	13. Ultrasound-assisted synthesis of organophosphorus compounds. , 2018, , 248-263.		10
43	Synthesis, spectroscopic characterization and crystallographic behavior of a biologically relevant novel indole-fused heterocyclic compound â€" Experimental and theoretical (DFT) studies. Journal of Molecular Structure, 2016, 1118, 344-355.	1.8	8
44	Organoselenium Chemistry. , 2020, , .		8
45	Glycine and its derivatives catalyzed one-pot multicomponent synthesis of bioactive heterocycles. Synthetic Communications, 2022, 52, 1635-1656.	1.1	8
46	Sc(OTf)3 catalyzed carbon-carbon and carbon-heteroatom bond forming reactions: a review. Arkivoc, 2017, 2017, 1-25.	0.3	7
47	6-Amino-3-methyl-4-(3,4,5-trimethoxyphenyl)-2,4-dihydropyrano[2,3-c]pyrazole-5-carbonitrile. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o875-o876.	0.2	4
48	Ethyl 6-amino-5-cyano-4-phenyl-2,4-dihydropyrano[2,3-c]pyrazole-3-carboxylate dimethyl sulfoxide monosolvate. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o795-o796.	0.2	4
49	Sulfonated Î²-cyclodextrins: efficient supramolecular organocatalysts for diverse organic transformations. ChemistrySelect, 2022, 7, 539-565.	0.7	4
50	Synthesis and Characterization of 2-Aminobenzothiazol and 1-Methylisatin Co-Đ¡rystal. Crystallography Reports, 2020, 65, 1195-1201.	0.1	3
51	Microwave-assisted catalyst as well as solvent-free synthesis of bioactive heterocycles. , 2021, , 225-244.		3
52	Bakerâ€™s yeast (Saccharomyces cerevisiae) catalyzed synthesis of bioactive heterocycles and some stereoselective reactions. ChemistrySelect, 2022, 7, 301-323.	0.7	3
53	A General Method for the Synthesis of 11H-Indeno[1,2-B]Quinoxalin- 11-Ones and 6H-Indeno[1,2-B]Pyrido[3,2-E]Pyrazin-6-One Derivatives Using Mandelic Acid as an Efficient Organo-catalyst at Room Temperature. Current Organocatalysis, 2022, 9, 53-61.	0.3	3
54	Microwave-assisted Carbon-Carbon and Carbon-Heteroatom Bond Forming Reactions - Part 1B. Current Microwave Chemistry, 2020, 7, 84-85.	0.2	3

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55	Recent advances in photo-irradiated synthesis of bioactive heterocycles. , 2020, , 407-452.		3
56	Naturally occurring, natural product inspired and synthetic heterocyclic anti-cancer drugs. ChemistrySelect, 2022, .	0.7	3
57	2-Amino-7,7-dimethyl-5-oxo-4-(p-tolyl)-5,6,7,8-tetrahydro-4H-chromene-3-carbonitrile. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2592-o2593.	0.2	2
58	Synthesis, characterization, and crystal structure of 5,5â€³-Difluoro-1H,1â€³H-[3,3â€²:3â€²,3â€³-terindol]-2â€²(1â€²H)-one. Crystallography Reports, 2016, 61, 225-229.	0.1	2
59	Organic Transformations by Following Green Credentials- Part 1 (A). Current Green Chemistry, 2019, 6, 154-154.	0.7	2
60	Magnetically separable nanocatalyzed synthesis of bioactive heterocycles in water. , 2020, , 153-190.		2
61	Organic Transformations by Following Green Credentials- Part 1 (B). Current Green Chemistry, 2020, 7, 3-4.	0.7	2
62	9. Selenoamides, selenazadienes, and selenocarbonyls in organic synthesis. , 2020, , 347-380.		2
63	Organic Transformations by Following Green Credentials-Part 2. Current Green Chemistry, 2021, 8, 3-4.	0.7	2
64	Carbon-carbon and Carbon-heteroatom Bond Forming Reactions Under Greener Conditions - Part 2. Current Organic Chemistry, 2021, 25, 2-3.	0.9	2
65	X-ray crystal structure analysis of 5-bromospiro[indoline-3,7'-pyrano[3,2-C:5,6-C']dichromene]-2,6',8'-trione. European Journal of Chemistry, 2021, 12, 187-191.	0.3	2
66	Multicomponent Synthesis of Biologically Relevant Spiroheterocycles in Water. Materials Research Foundations, 2019, , 269-319.	0.2	2
67	Microwave-Assisted Carbon-Carbon and Carbon-Heteroatom Bond Forming Reactions: Part 2B. Current Microwave Chemistry, 2021, 8, 138-139.	0.2	2
68	Crystal structure of 5,5â€²-[(4-fluorophenyl)methylene]bis[6-amino-1,3-dimethylpyrimidine-2,4(1H,3H)-dione]. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o1098-o1099.	0.2	1
69	Synthesis, characterization, and crystal structure of 2-amino-7-methyl-5-oxo-4-phenyl-4,5-dihydropyrano[3,2-c]pyran-3-carbonitrile. Crystallography Reports, 2015, 60, 1126-1130.	0.1	1
70	Synthesis, characterization, and crystal structure of 2-amino-5-oxo-4-phenyl-4,5-dihydropyrano[3,2-c]chromene-3-carbonitrile. Crystallography Reports, 2015, 60, 1142-1146.	0.1	1
71	Synthesis, spectral characterization, and single crystal structure studies of biologically relevant bis-indoline heterocyclic scaffold. Crystallography Reports, 2017, 62, 889-893.	0.1	1
72	Microwave-assisted Carbon-carbon and Carbon-heteroatom Bond Forming Reactions - Part 1A. Current Microwave Chemistry, 2020, 7, 3-4.	0.2	1

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73	Water-Mediated Catalyst-Free Organic Transformations. Nanotechnology in the Life Sciences, 2020, , 63-95.	0.4	1
74	Microwave-assisted Carbon-Carbon and Carbon-Heteroatom Bond Forming Reactions - Part 2A. Current Microwave Chemistry, 2021, 8, 56-57.	0.2	1
75	Synthesis, Characterization, and Crystal Structure of 5'-Amino-4,4''-Dichloro-2'-Nitro-2',3'-Dihydro-[1,1':3',1''-Terphenyl]-4',4',6'(1'H)-Tricarbonitrile-Dimethyl Sulfoxide. Crystallography Reports, 2020, 65, 1208-1211.	0.1	1
76	Lawsone (2-hydroxy-1,4-naphthaquinone) derived anticancer agents. ChemistrySelect, 2020, .	0.7	1
77	One-pot multi-component synthesis of diverse bioactive heterocyclic scaffolds involving 6-aminouracil or its N-methyl derivatives as a versatile reagent. ChemistrySelect, 2022, .	0.7	1
78	Synthesis, X-ray crystal structure, Hirshfeld surface analysis, and molecular docking studies of DMSO/H2O solvate of 5-chlorospiro[indoline-3,7'-pyrano[3,2-c:5,6-c']dichromene]-2,6',8'-trione. European Journal of Chemistry, 2021, 12, 382-388.	0.3	1
79	Organocatalysis: a green tool for sustainable developments. ChemistrySelect, 2022, 7, 213-214.	0.7	1
80	Synthesis, characterization and Hirshfeld surface analysis of 2-aminobenzothiazol with 4-fluorobenzoic acid co-crystal. European Journal of Chemistry, 2022, 13, 206-213.	0.3	1
81	Trimethyl(triphenylmethoxy)silane. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o556-o556.	0.2	0
82	Crystal structure of 2-(4-nitrophenyl)-2-(phenylamino)propanenitrile and 2-(4-fluorophenylamino)-2-(4-nitrophenyl)propanenitrile. Crystallography Reports, 2014, 59, 1037-1041.	0.1	0
83	Crystal structure of 2-amino-7,7-dimethyl-5-oxo-4-(pyridin-4-yl)-5,6,7,8-tetrahydro-4H-chromene-3-carbonitrile hemihydrate. Crystallography Reports, 2015, 60, 1111-1115.	0.1	0
84	X-ray studies of 2-amino-4-(3-nitrophenyl)-5-oxo-4,5-dihydropyrano[3,2-c] chromene-3-carbonitrile and 2-amino-7,7-dimethyl-4-(4-nitrophenyl)-5-oxo-5,6,7,8-tetrahydro-4H-chromene-3-carbonitrile. Crystallography Reports, 2015, 60, 1136-1141.	0.1	0
85	X-ray studies of 2-amino-5-oxo-4-propyl-4,5-dihydropyrano[3,2-c]chromene-3-carbonitrile. Crystallography Reports, 2015, 60, 865-868.	0.1	0
86	Synthesis, spectroscopic characterization, and crystal structure of a novel indoline derivative. Crystallography Reports, 2016, 61, 1055-1060.	0.1	0
87	X-ray crystallography of methyl (6-amino-5-cyano-2-methyl-4-(2-nitrophenyl)-4H-pyran)-3-carboxylate. Crystallography Reports, 2016, 61, 1051-1054.	0.1	0
88	Crystal Structure of Ethyl 6-Amino-5-cyano-4-(4-fluorophenyl)-2,4-dihydropyrano[2,3-c]pyrazole-3-carboxylate. Crystallography Reports, 2018, 63, 388-393.	0.1	0
89	Carbon-Carbon and Carbon-Heteroatom Bond-forming Reactions under Greener Conditions-Part 1B. Current Organic Chemistry, 2020, 24, 2-3.	0.9	0
90	Carbon-Carbon and Carbon-Heteroatom Bond-forming Reactions under Greener Conditions-Part 1A. Current Organic Chemistry, 2020, 23, 3135-3136.	0.9	0

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91	Ionic liquid-mediated biocatalyzed organic transformations. , 2021, , 277-299.		0
92	Organocatalyst: A Valuable Tool for the Carbon-carbon and Carbonheteroatom bond Formations. Current Organocatalysis, 2021, 8, 3-4.	0.3	0
93	Biosynthesis of bioactive zinc oxide nanoparticles. , 2021, , 631-662.		0
94	Supercritical Carbon Dioxide Mediated Organic Transformations. Advances in Science, Technology and Innovation, 2022, , 137-151.	0.2	0
95	Latest developments on the synthesis of bioactive organotellurium scaffolds. ChemistrySelect, 2022, .	0.7	0