

Kaushik Chanda

List of Publications by Year in descending order

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62
papers

1,529
citations

304368

22
h-index

329751

37
g-index

63
all docs

63
docs citations

63
times ranked

1638
citing authors

#	ARTICLE	IF	CITATIONS
1	Facet-Dependent Catalytic Activity of Cu ₂ O Nanocrystals in the One-Pot Synthesis of 1,2,3-Triazoles by Multicomponent Click Reactions. <i>Chemistry - A European Journal</i> , 2013, 19, 16036-16043.	1.7	143
2	Direct formation of small Cu ₂ O nanocubes, octahedra, and octapods for efficient synthesis of triazoles. <i>Nanoscale</i> , 2014, 6, 8704.	2.8	99
3	Application of Pictet-Spengler Reaction to Indole-Based Alkaloids Containing Tetrahydro- β -carboline Scaffold in Combinatorial Chemistry. <i>ACS Combinatorial Science</i> , 2017, 19, 199-228.	3.8	95
4	Multicomponent Solvent-Free Synthesis Of Benzimidazolyl Imidazo[1,2- <i>a</i>]-pyridine Under Microwave Irradiation. <i>ACS Combinatorial Science</i> , 2013, 15, 291-297.	3.8	66
5	Investigation of facet effects on the catalytic activity of Cu ₂ O nanocrystals for efficient regioselective synthesis of 3,5-disubstituted isoxazoles. <i>Nanoscale</i> , 2013, 5, 12494.	2.8	64
6	A Decade Update on Benzoxazoles, a Privileged Scaffold in Synthetic Organic Chemistry. <i>Synlett</i> , 2017, 28, 521-541.	1.0	64
7	Traceless Synthesis of Hydantoin Fused Tetrahydro- β -carboline on Ionic Liquid Support in Green Media. <i>Organic Letters</i> , 2009, 11, 4826-4829.	2.4	60
8	An Overview on the Therapeutics of Neglected Infectious Diseases—Leishmaniasis and Chagas Diseases. <i>Frontiers in Chemistry</i> , 2021, 9, 622286.	1.8	58
9	Efficient Access to Imidazo[1,2- <i>a</i>]pyridines/pyrazines/pyrimidines via Catalyst-Free Annulation Reaction under Microwave Irradiation in Green Solvent. <i>ACS Combinatorial Science</i> , 2018, 20, 164-171.	3.8	51
10	Control of Regioselectivity over Gold Nanocrystals of Different Surfaces for the Synthesis of 1,4-Disubstituted Triazole through the Click Reaction. <i>Chemistry - A European Journal</i> , 2014, 20, 15991-15997.	1.7	47
11	Diversity oriented synthesis of benzimidazole-based biheterocyclic molecules by combinatorial approach: a critical review. <i>RSC Advances</i> , 2016, 6, 50384-50413.	1.7	47
12	Green synthesis of biologically active heterocycles of medicinal importance: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3315-3358.	8.3	47
13	Synthesis and Medicinal Applications of Benzimidazoles: An Overview. <i>Current Organic Synthesis</i> , 2016, 14, 40-60.	0.7	45
14	Microwave-Assisted Linear Approach Toward Highly Substituted Benzo[<i>d</i>]oxazol-5-yl-1 <i>H</i> -benzo[<i>d</i>]imidazole on Ionic Liquid Support. <i>ACS Combinatorial Science</i> , 2012, 14, 115-123.	3.8	32
15	Cu(I) catalyzed microwave assisted telescopic synthesis of 3,5-disubstituted isoxazoles in green media. <i>Tetrahedron Letters</i> , 2016, 57, 5514-5517.	0.7	29
16	A Short Review on Synthetic Advances toward the Synthesis of Rufinamide, an Antiepileptic Drug. <i>Organic Process Research and Development</i> , 2018, 22, 457-466.	1.3	29
17	Sequencing [3+2]-cycloaddition and multicomponent reactions: A regioselective microwave-assisted synthesis of 1,4-disubstituted 1,2,3-triazoles using ionic liquid supported Cu(II) precatalysts in methanol. <i>Tetrahedron Letters</i> , 2020, 61, 152273.	0.7	29
18	An overview of metal-free synthetic routes to isoxazoles: the privileged scaffold. <i>RSC Advances</i> , 2021, 11, 32680-32705.	1.7	28

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19	Assembly of Fully Substituted 2 <i>H</i> -indazoles Catalyzed by Cu ₂ O Rhombic Dodecahedra and Evaluation of Anticancer Activity. <i>ChemMedChem</i> , 2019, 14, 262-272.	1.6	27
20	Enantioselective Synthesis of Benzimidazolyl Quinoxalinones on Soluble Polymer Support Using Focused Microwave Irradiation. <i>ACS Combinatorial Science</i> , 2009, 11, 252-260.	3.3	25
21	Light emitting probes – approaches for interdisciplinary applications. <i>Chemical Society Reviews</i> , 2021, 50, 3706-3719.	18.7	25
22	Facet-Dependent Catalytic Activity of Palladium Nanocrystals in Tsuji-Trost Allylic Amination Reactions with Product Selectivity. <i>ChemCatChem</i> , 2015, 7, 1813-1817.	1.8	23
23	Antitumor Effects of Ir(III)-2 <i>H</i> -Indazole Complexes for Triple Negative Breast Cancer. <i>Inorganic Chemistry</i> , 2021, 60, 17593-17607.	1.9	23
24	Microwave Controlled Reductive Cyclization: A Selective Synthesis of Novel Benzimidazole-alkyloxy pyrrolo[1,2- <i>a</i>]quinoxalinones. <i>ACS Combinatorial Science</i> , 2015, 17, 310-316.	3.8	22
25	Biosensors for pathogen surveillance. <i>Environmental Chemistry Letters</i> , 2018, 16, 1325-1337.	8.3	21
26	2-Aminopyridine – an unsung hero in drug discovery. <i>Chemical Communications</i> , 2022, 58, 343-382.	2.2	21
27	An assessment study of known pyrazolopyrimidines: Chemical methodology and cellular activity. <i>Bioorganic Chemistry</i> , 2020, 99, 103801.	2.0	20
28	Exploration of potential inhibitors for tuberculosis via structure-based drug design, molecular docking, and molecular dynamics simulation studies. <i>Journal of Computational Chemistry</i> , 2021, 42, 1736-1749.	1.5	20
29	Computationally approached inhibition potential of <i>Tinospora cordifolia</i> towards COVID-19 targets. <i>VirusDisease</i> , 2021, 32, 65-77.	1.0	18
30	Revisiting the insights and applications of protein engineered hydrogels. <i>Materials Science and Engineering C</i> , 2019, 95, 312-327.	3.8	17
31	One-Pot, Telescopic Approach for the Chemoselective Synthesis of Substituted Benzo[<i>e</i>]pyrido/pyrazino/pyridazino[1,2- <i>b</i>][1,2,4]thiadiazine dioxides and Their Significance in Biological Systems. <i>Journal of Organic Chemistry</i> , 2019, 84, 11382-11390.	1.7	16
32	A robust and recyclable ionic liquid-supported copper(II) catalyst for the synthesis of 5-substituted-1 <i>H</i> -tetrazoles using microwave irradiation. <i>Research on Chemical Intermediates</i> , 2020, 46, 1307-1317.	1.3	16
33	Novel approach towards 2-substituted aminobenzimidazoles on imidazolium ion tag under focused microwave irradiation. <i>Tetrahedron</i> , 2011, 67, 6214-6220.	1.0	15
34	Synthesis and Antitumor Activity Evaluation of Cyclometalated 2 <i>H</i> -Indazole Ruthenium(II) and Iridium(III) Complexes. <i>ChemPlusChem</i> , 2020, 85, 1800-1812.	1.3	15
35	Polymer supported synthesis of novel benzoxazole linked benzimidazoles under microwave conditions: In vitro evaluation of VEGFR-3 kinase inhibition activity. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1917.	1.5	14
36	Design, synthesis and diversification of natural product-inspired hydantoin-fused tetrahydroazepino indoles. <i>RSC Advances</i> , 2015, 5, 73169-73179.	1.7	13

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37	Environmentally friendly, microwave-assisted synthesis of 5-substituted 1 H-tetrazoles by recyclable CuO nanoparticles via (3+2) cycloaddition of nitriles and NaN ₃ . Chinese Journal of Catalysis, 2017, 38, 1918-1924.	6.9	13
38	Traceless synthesis of diketopiperazine fused tetrahydro-β-carbolines on soluble polymer support. Molecular Diversity, 2011, 15, 569-581.	2.1	10
39	[Cu(phen)(PPh ₃) ₂]NO ₃ -catalyzed microwave-assisted green synthesis of 5-substituted 1H-tetrazoles. Research on Chemical Intermediates, 2017, 43, 7365-7374.	1.3	10
40	A Facile Microwave-Assisted Synthesis of Oxazoles and Diastereoselective Oxazolines Using Aryl-Aldehydes, <i>p</i> -Toluenesulfonylmethyl Isocyanide under Controlled Basic Conditions. ACS Omega, 2020, 5, 28239-28248.	1.6	10
41	Diversity-Oriented Synthesis of Thiazolidine-2-imines via Microwave-Assisted One-Pot, Telescopic Approach and Its Interaction with Biomacromolecules. ACS Combinatorial Science, 2020, 22, 630-640.	3.8	10
42	Rapid Construction of an Imidazo[4,5- <i>b</i>]pyridine Skeleton from 2-Chloro-3-nitropyridine via Tandem Reaction in H ₂ O-IPA Medium. ACS Omega, 2018, 3, 4583-4590.	1.6	9
43	An expeditious microwave assisted one-pot sequential route to pyrido fused imidazo[4,5- <i>c</i>]quinolines in green media. New Journal of Chemistry, 2021, 45, 3280-3289.	1.4	9
44	Identification of novel inhibitors for Prp protein of <i>Mycobacterium tuberculosis</i> by structure based drug design, and molecular dynamics simulations. Journal of Computational Chemistry, 2022, 43, 619-630.	1.5	9
45	Microwave-Assisted Synthesis of Tetracyclic 2,5-Diketopiperazines on a Soluble Polymer Support: A Structural Analogue of Tadalafil. Australian Journal of Chemistry, 2009, 62, 42.	0.5	6
46	Novel Cu(I)-catalyzed one-pot multicomponent synthesis of the antiepileptic drug rufinamide. Research on Chemical Intermediates, 2017, 43, 4711-4717.	1.3	6
47	Environment dependent photophysical and fluorescence turn-off sensing properties of Fe(III) by substituted phenyl isochromenopyrrol-5-ones. Photochemical and Photobiological Sciences, 2019, 18, 2977-2988.	1.6	6
48	Evolutionary approaches in protein engineering towards biomaterial construction. RSC Advances, 2019, 9, 34720-34734.	1.7	6
49	Overview of Pathogenesis, Diagnostics, and Therapeutics of Infectious Diseases: Dengue and Zika. ACS Omega, 2021, 6, 22487-22496.	1.6	6
50	DNA and Protein Interaction Studies of Heteroleptic Copper (II) Derivatives of Benzothiazole-Based Schiff Base and N,N-Donor Ligands. ChemistrySelect, 2020, 5, 6792-6799.	0.7	5
51	Investigation on Photophysical, Solvatochromism and Biological Significance of Substituted 2 H-Indazole Derivatives. ChemistrySelect, 2020, 5, 7505-7516.	0.7	5
52	Hepatoprotective and Antioxidant Capacity of Clerodendrum paniculatum Flower Extracts against Carbon Tetrachloride-Induced Hepatotoxicity in Rats. ACS Omega, 2021, 6, 26489-26498.	1.6	5
53	Hydrazide derived colorimetric sensor for selective detection of cyanide ions. Inorganic Chemistry Communication, 2021, 134, 108965.	1.8	5
54	Organic synthesis on ionic liquid support: A new strategy for the liquid-phase organic synthesis (LPOS)., 2020, , 49-104.		4

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55	Physical, Chemical and Biochemical Biosensors to Detect Pathogens. Environmental Chemistry for A Sustainable World, 2018, , 53-86.	0.3	3
56	Evaluation of WO2014121383 A1: a process for preparation of rufinamide and intermediates. Expert Opinion on Therapeutic Patents, 2019, 29, 7-10.	2.4	3
57	Biological Evaluation of Synthesized Nâ€Cinnamoyl Phenothiazine Derivatives. ChemistrySelect, 2018, 3, 13063-13069.	0.7	2
58	The Role of Ionic Liquid in Preserving a Sustainable Environment. Current Green Chemistry, 2018, 5, 129-130.	0.7	1
59	Nanocatalysis - A trending tool in organic reactions. Letters in Organic Chemistry, 2021, 18, .	0.2	1
60	Anthology of heterocyclic pharmacophores synthesized under solvent-free conditions: A decade survey. , 2020, , 199-222.		1
61	Significance of chalcone synthons as lead molecules in anticancer drug discovery. Anti-Cancer Agents in Medicinal Chemistry, 2021, 21, .	0.9	0
62	Therapeutic Inhibitory Activities of <i>N</i> â€Hydroxy Derived Cytidines: A Patent Overview. ChemistrySelect, 2021, 6, 13786-13808.	0.7	0