

Nagaraju Kerru

List of Publications by Year in descending order

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71
papers

2,518
citations

279487

23
h-index

214527

47
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all docs

71
docs citations

71
times ranked

2376
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on Recent Advances in Nitrogen-Containing Molecules and Their Biological Applications. <i>Molecules</i> , 2020, 25, 1909.	1.7	779
2	Current anti-diabetic agents and their molecular targets: A review. <i>European Journal of Medicinal Chemistry</i> , 2018, 152, 436-488.	2.6	235
3	Recent advances (2015–2016) in anticancer hybrids. <i>European Journal of Medicinal Chemistry</i> , 2017, 142, 179-212.	2.6	205
4	Synthesis and antioxidant activity of 1,3,4-oxadiazole tagged thieno[2,3-d]pyrimidine derivatives. <i>European Journal of Medicinal Chemistry</i> , 2012, 58, 340-345.	2.6	119
5	Therapeutic significance of β -glucuronidase activity and its inhibitors: A review. <i>European Journal of Medicinal Chemistry</i> , 2020, 187, 111921.	2.6	76
6	Recent advances in heterogeneous catalysts for the synthesis of imidazole derivatives. <i>Synthetic Communications</i> , 2019, 49, 2437-2459.	1.1	66
7	Synthesis, docking and evaluation of antioxidant and antimicrobial activities of novel <i>Chemistry</i> , 2014, 75, 195-202.	2.6	56
8	A comparison between observed and DFT calculations on structure of 5-(4-chlorophenyl)-2-amino-1,3,4-thiadiazole. <i>Scientific Reports</i> , 2019, 9, 19280.	1.6	50
9	Synthesis, computational studies and antiproliferative activities of coumarin-tagged 1,3,4-oxadiazole conjugates against MDA-MB-231 and MCF-7 human breast cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5612-5623.	1.4	39
10	Synthesis and antimicrobial evaluation of novel pyrano[2,3-d]-pyrimidine bearing 1,2,3-triazoles. <i>Chemical Data Collections</i> , 2020, 28, 100486.	1.1	38
11	Design of Carbon-carbon and Carbon-heteroatom Bond Formation Reactions under Green Conditions. <i>Current Organic Chemistry</i> , 2020, 23, 3154-3190.	0.9	36
12	Comparative α -glucosidase and α -amylase inhibition studies of rhodanine–pyrazole conjugates and their simple rhodanine analogues. <i>Medicinal Chemistry Research</i> , 2019, 28, 143-159.	1.1	34
13	MnO ₂ on hydroxyapatite: A green heterogeneous catalyst and synthesis of pyran-carboxamide derivatives. <i>Inorganic Chemistry Communication</i> , 2020, 112, 107706.	1.8	32
14	Multicomponent reaction for the synthesis of new 1,3,4-thiadiazole-thiazolidine-4-one molecular hybrids as promising antidiabetic agents through α -glucosidase and α -amylase inhibition. <i>Bioorganic Chemistry</i> , 2021, 115, 105210.	2.0	32
15	Synthesis, antimicrobial evaluation, and in silico studies of quinoline–1H-1,2,3-triazole molecular hybrids. <i>Molecular Diversity</i> , 2021, 25, 2201-2218.	2.1	31
16	Design, synthesis, neuroprotective, antibacterial activities and docking studies of novel thieno[2,3-d]pyrimidine-alkyne Mannich base and oxadiazole hybrids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1663-1669.	1.0	30
17	Advances in Pyranopyrazole Scaffolds™ Syntheses Using Sustainable Catalysts—A Review. <i>Molecules</i> , 2021, 26, 3270.	1.7	30
18	Synthesis and antimicrobial activity of novel thienopyrimidine linked rhodanine derivatives. <i>Canadian Journal of Chemistry</i> , 2019, 97, 94-99.	0.6	29

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19	Green synthesis and characterisation of novel [1,3,4]thiadiazolo/benzo[4,5]thiazolo[3,2- <i>a</i>]pyrimidines via multicomponent reaction using vanadium oxide loaded on fluorapatite as a robust and sustainable catalyst. RSC Advances, 2020, 10, 19803-19810.	1.7	27
20	Synthesis and Antioxidant Evaluation of a New Class of Thienopyrimidine-rhodanine Hybrids. Letters in Drug Design and Discovery, 2018, 15, 118-126.	0.4	27
21	Design, synthesis, anticancer activity and molecular docking analysis of novel dinitrophenylpyrazole bearing 1,2,3-triazoles. Journal of Molecular Structure, 2021, 1243, 130865.	1.8	26
22	Facile One-pot Synthesis of Arylsulfonyl-4H-pyrans Catalyzed by Ru Loaded Fluorapatite. ChemistrySelect, 2020, 5, 1786-1791.	0.7	24
23	Synthesis of Novel Furo[3,2- <i>c</i>]coumarin Derivatives through Multicomponent [4+1] Cycloaddition Reaction Using ZnO/FAp as a Sustainable Catalyst. ChemistrySelect, 2020, 5, 4104-4110.	0.7	24
24	Microwave-Assisted Multicomponent Reaction: A Green and Catalyst-Free Method for the Synthesis of Polyfunctionalized 1,4-Dihydropyridines. ChemistrySelect, 2019, 4, 9451-9454.	0.7	23
25	A Review of Recent Advances in the Green Synthesis of Azole- and Pyran-based Fused Heterocycles Using MCRs and Sustainable Catalysts. Current Organic Chemistry, 2021, 25, 4-39.	0.9	21
26	Synthesis of novel pyrazole-based triazolidinone derivatives by using ZnO/ZrO ₂ as a reusable catalyst under green conditions. Applied Organometallic Chemistry, 2019, 33, e4722.	1.7	20
27	One-pot green synthesis of novel 5,10-dihydro-1H-pyrazolo[1,2- <i>b</i>]phthalazine derivatives with eco-friendly biodegradable eggshell powder as efficacious catalyst. Research on Chemical Intermediates, 2020, 46, 3067-3083.	1.3	20
28	A Facile and Catalyst-Free Microwave-Promoted Multicomponent Reaction for the Synthesis of Functionalised 1,4-Dihydropyridines With Superb Selectivity and Yields. Frontiers in Chemistry, 2021, 9, 638832.	1.8	20
29	Bi ₂ O ₃ /FAp, a sustainable catalyst for synthesis of dihydro[1,2,4]triazolo[1,5- <i>a</i>]pyrimidine derivatives through green strategy. Applied Organometallic Chemistry, 2020, 34, e5590.	1.7	19
30	Efficient synthesis of novel functionalized dihydro[3,4- <i>d</i>]pyridines via the three-component reaction using MgO/HAp as a sustainable catalyst. Inorganic Chemistry Communication, 2021, 123, 108321.	1.8	19
31	Design, synthesis, docking study and biological evaluation of novel thieno[2,3- <i>d</i>]-pyrimidine tethered 1,2,3-triazole scaffolds. Journal of Molecular Structure, 2022, 1250, 131713.	1.8	18
32	Catalyst-free synthesis of novel isopropyl 2-amino-7,7-dimethyl-4-(aryl)-5-oxo-5,6,7,8-tetrahydro-4H-chromene-3-carboxylate derivatives in aqueous ethanol under ultrasound irradiation. Chemical Data Collections, 2020, 26, 100365.	1.1	16
33	Microwave irradiated mild, rapid, one-pot and multi-component synthesis of isoxazole-5(4H)-ones. Chemical Data Collections, 2021, 32, 100669.	1.1	15
34	A Review of Recent Advancements in Anti-tubercular Molecular Hybrids. Current Medicinal Chemistry, 2017, 24, 4180-4212.	1.2	15
35	Efficient synthesis of novel pyrazole-linked 1,2,4-triazolidine-3-thiones using bismuth on zirconium oxide as a recyclable catalyst in aqueous medium. Molecular Diversity, 2020, 24, 345-354.	2.1	14
36	A green, efficient protocol for the catalyst-free synthesis of tetrahydro-1H-pyrazolo-[3,4- <i>b</i>]-quinolin-5(4H)-ones supported by ultrasonic irradiation. Chemical Data Collections, 2020, 30, 100566.	1.1	14

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37	Four-component rapid protocol with nickel oxide loaded on fluorapatite as a sustainable catalyst for the synthesis of novel imidazole analogs. <i>Inorganic Chemistry Communication</i> , 2020, 116, 107935.	1.8	14
38	Green synthesis and characterization of novel 1,2,4,5-tetrasubstituted imidazole derivatives with eco-friendly red brick clay as efficacious catalyst. <i>Molecular Diversity</i> , 2020, 24, 889-901.	2.1	13
39	Polyethylene glycol (PEG \hat{C} 400) Mediated One \hat{C} pot Green Synthesis of 4,7 \hat{C} dihydro \hat{C} 2 \hat{C} pyrazolo[3,4 \hat{C}]pyridines Under Catalyst \hat{C} free Conditions. <i>ChemistrySelect</i> , 2020, 5, 12407-12410.	0.7	13
40	Novel Thienopyrimidine Derivatives Containing 1,2,4-triazoles and 1,3,4-oxadiazoles as Potent Antimicrobial Activity. , 2014, 4, .		12
41	Ultrasound-assisted synthesis and antibacterial activity of novel 1,3,4-thiadiazole-1H-pyrazol-4-yl-thiazolidin-4-one derivatives. <i>Monatshefte F\hat{A}r Chemie</i> , 2020, 151, 981-990.	0.9	12
42	Ultrasound-mediated catalyst-free protocol for the synthesis of bis-3-methyl-1-phenyl-1H-pyrazol-5-ols in aqueous ethanol. <i>Chemical Data Collections</i> , 2020, 28, 100467.	1.1	12
43	Synthesis and Biological Evaluation of Novel Isopropyl 2-thiazolopyrimidine-6-carboxylate Derivatives. <i>Journal of the Korean Chemical Society</i> , 2012, 56, 68-73.	0.2	12
44	One-pot synthesis of 1-substituted 1 \hat{C} -1,2,3,4-tetrazoles from 2-aminothiazoles using tributylmethylammonium chloride as a catalyst. <i>Heterocyclic Communications</i> , 2017, 23, 365-368.	0.6	11
45	Facile one-pot green synthesis of 2-amino-4 \hat{C} -benzo[\hat{C}]chromenes in aqueous ethanol under ultrasound irradiation. <i>Synthetic Communications</i> , 2020, 50, 1960-1971.	1.1	11
46	An ecofriendly and reusable catalyst RuO \hat{C} /MWCNT in the green synthesis of sulfonyl-quinolines. <i>Chemical Engineering Research and Design</i> , 2022, 159, 911-917.	2.7	11
47	Recent Progresses in the Multicomponent Synthesis of Dihydropyridines by Applying Sustainable Catalysts Under Green Conditions. <i>Frontiers in Chemistry</i> , 2021, 9, 800236.	1.8	11
48	Synthesis of indole-tethered [1,3,4]thiadiazolo and [1,3,4]oxadiazolo[3,2-a]pyrimidin-5-one hybrids as anti-pancreatic cancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127544.	1.0	10
49	Synthesis of 1H-1,2,3-Triazole-Linked Quinoline-Isatin Molecular Hybrids as Anti-Breast Cancer and Anti-Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) Agents. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2021, 21, 1228-1239.	0.9	10
50	Crystal structure and DFT studies of (E)-1-(4-fluorophenyl)-3-(1H-indol-1-yl)-4-styrylazetid-2-one. <i>Journal of Molecular Structure</i> , 2019, 1187, 50-58.	1.8	9
51	Gadolinium oxide loaded zirconia and multi-component synthesis of novel dihydro-pyrazolo[3,4-d]pyridines under green conditions. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 18, 100316.	1.6	8
52	An Efficient and Sustainable Protocol for the Synthesis of Poly-Functionalized-Pyran Derivatives under Ultrasound Irradiation. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 505-516.	1.4	8
53	\hat{C} -Glucosidase Inhibition, Antioxidant and Docking Studies of Hydroxycoumarins and their Mono and Bis O-alkylated/acetylated Analogs. <i>Letters in Drug Design and Discovery</i> , 2018, 15, 127-135.	0.4	8
54	A facile synthesis of some novel fused [1,2,4]triazolo[3,4-b][1,3,4]thiadiazol derivatives. <i>Journal of Sulfur Chemistry</i> , 2013, 34, 264-275.	1.0	7

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55	Design, Synthesis, Neuroprotective and Antibacterial Activities of 1,2,4-Triazolo[3,4-b]1,3,4-thiadiazole Linked Thieno[2,3-d]pyrimidine Derivatives and In Silico Docking Studies. <i>ChemistrySelect</i> , 2019, 4, 1627-1634.	0.7	7
56	Synthesis of a sustainable heterogeneous catalyst, titanium dioxide-loaded hydroxyapatite for functionalised chromen-dihydropyridines under green conditions. <i>Applied Organometallic Chemistry</i> , 0, , e6442.	1.7	5
57	A sustainable molybdenum oxide loaded on zirconia (MoO ₃ /ZrO ₂) catalysed multicomponent reaction to synthesise novel dihydropyridines. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 25, 100578.	1.6	5
58	Purification free, chemoselective N-acylation of non-nucleophilic nitrogen heterocycles using oxyma and benzotriazole activations. <i>Chemical Data Collections</i> , 2021, 32, 100654.	1.1	4
59	A novel method for the synthesis of 3-aminoindoles using iodine and Cs ₂ CO ₃ as catalyst. <i>Chemical Data Collections</i> , 2021, 33, 100731.	1.1	4
60	An efficient synthesis of drug-like small molecules library based on 2-(substituted) 1,2,4-triazolo[3,4-b]1,3,4-thiadiazole derivatives. <i>Journal of Molecular Structure</i> , 2022, 1263, 133159.	1.1	4
61	N-Phenyl substituent controlled diastereoselective synthesis of β -lactam-isatin conjugates. <i>Tetrahedron Letters</i> , 2020, 61, 151602.	0.7	3
62	Design and synthesis of novel 1,3,2-benzoxazaphosphinine-2-one derivatives: an <i>in vitro</i> biological evaluation and <i>in silico</i> approaches. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2021, 196, 548-558.	0.8	3
63	Ultrasound-Mediated Green Synthesis of Novel Functionalized Benzothiazole[3,2-a]Pyrimidine Derivatives through a Multicomponent Reaction. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 3348-3360.	1.4	3
64	Synthesis of novel alkylphosphonates as promising antimicrobial drugs: Computational molecular docking studies. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2021, 196, 722-730.	0.8	3
65	Facile Method for the Synthesis of Cyanoacrylates by Knoevenagel Condensation. <i>Organic Preparations and Procedures International</i> , 2021, 53, 18-24.	0.6	2
66	An efficient and sustainable synthesis of morpholino-1,4-dihydropyridine-2,3-dicarboxylates using recyclable SeO ₂ /HAP catalyst. <i>Inorganic Chemistry Communication</i> , 2022, 143, 109750.	1.8	2
67	Excellent Catalytic Activity of Two Cd(II) Metal-Organic Frameworks in The Synthesis of Benzothiazolo-pyrimidines. <i>ChemistrySelect</i> , 2021, 6, 11682-11689.	0.7	1
68	Comparative experimental and DFT analysis of novel indole tagged [1,3,4]thiadiazolo[3,2-a]pyrimidin-5-one hybrid. <i>Journal of Molecular Structure</i> , 2022, 1263, 133159.	1.8	1
69	An Improved Process for the Enantioselective Synthesis of HCV NS5A Inhibitor Elbasvir (MK-8742) Chiral Amine Intermediate. <i>Russian Journal of General Chemistry</i> , 2021, 91, 932-938.	0.3	0
70	A New Method for Preparation of Rilpivirine Intermediate. <i>Polycyclic Aromatic Compounds</i> , 0, , 1-7.	1.4	0
71	A Review of Recent Advances in the Green Synthesis of Azole- and Pyran-based Fused Heterocycles Using MCRs and Sustainable Catalysts. , 2021, 25, 4-39.		0