Ajay Kumar Kariyappa

List of Publications by Year
in descending order

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65	777	623734	580821
papers	citations	14 h-index	25 g-index

65	65	65	761
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of novel coumarin appended bis(formylpyrazole) derivatives: Studies on their antimicrobial and antioxidant activities. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 690-694.	2.2	104
2	Synthesis and biological evaluation of novel formyl-pyrazoles bearing coumarin moiety as potent antimicrobial and antioxidant agents. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6406-6409.	2.2	85
3	Synthesis, spectral characterization and X-ray crystal structure studies of 3-(benzo[d][1,3]dioxol-5-yl)-5-(3-methylthiophen-2-yl)-4,5-dihydro-1H-pyrazole-1-carboxamide: Hirshfeld surface, DFT and thermal analysis. Journal of Molecular Structure, 2018, 1161, 285-298.	3.6	55
4	Design and environmentally benign synthesis of novel thiophene appended pyrazole analogues as anti-inflammatory and radical scavenging agents: Crystallographic , in silico modeling, docking and SAR characterization. Bioorganic Chemistry, 2017, 73, 109-120.	4.1	36
5	Synthesis of coumarin appended pyrazolyl-1,3,4-oxadiazoles and pyrazolyl-1,3,4-thiadiazoles: Evaluation of their in vitro antimicrobial and antioxidant activities and molecular docking studies. Russian Journal of Bioorganic Chemistry, 2017, 43, 197-210.	1.0	32
6	Synthesis of novel 2-pyrazoline analogues with potent anti-inflammatory effect mediated by inhibition of phospholipase A2: Crystallographic, in silico docking and QSAR analysis. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3806-3811.	2.2	29
7	A NOVEL SYNTHESIS OF ISOXAZOLES VIA 1,3-DIPOLAR CYCLOADDITION OF NITRILE OXIDES TO ACETYL ACETONE. Synthetic Communications, 2002, 32, 1841-1846.	2.1	27
8	Crystal structure studies and Hirshfeld surface analysis of 5-(4-methoxyphenyl)-3-(thiophen-2-yl)-4,5-dihydro-1 H -pyrazole-1-carbothioamide. Chemical Data Collections, 2017, 9-10, 251-262.	2.3	24
9	Synthesis of lignan conjugates via cyclopropanation: Antimicrobial and antioxidant studies. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3621-3625.	2.2	19
10	Design and synthesis of coumarin-triazole hybrids: biocompatible anti-diabetic agents, in silico molecular docking and ADME screening. Heliyon, 2020, 6, e05290.	3.2	19
11	Synthesis, characterization, crystal structure, Hirshfeld surface analysis, antioxidant properties and DFT calculations of a novel pyrazole derivative: Ethyl 1-(2,4-dimethylphenyl)-3-methyl-5-phenyl-1H-pyrazole-4-carboxylate. Journal of Molecular Structure, 2021, 1226, 129350.	3.6	19
12	Design, synthesis, characterization, and antioxidant activity studies of novel thienyl-pyrazoles. Heliyon, 2021, 7, e07592.	3.2	19
13	Design, synthesis of novel furan appended benzothiazepine derivatives and in vitro biological evaluation as potent VRV-PL-8a and H+/K+ ATPase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3048-3054.	2.2	18
14	Evaluation of antibacterial activity of 3,5-dicyano-4,6-diaryl-4-ethoxycarbonyl-piperid-2-ones. Journal of Pharmaceutical and Biomedical Analysis, 2002, 27, 837-840.	2.8	17
15	Coumarin-triazole hybrids: Design, microwave-assisted synthesis, crystal and molecular structure, theoretical and computational studies and screening for their anticancer potentials against PC-3 and DU-145. Journal of Molecular Structure, 2021, 1230, 129899.	3.6	17
16	Synthesis of 3,4-diaryl-1-phenyl-4,5-dihydro-1H-pyrazole-5-carbonitriles via 1,3-dipolar cycloaddition reactions. Turkish Journal of Chemistry, 2013, 37, 853-857.	1.2	15
17	Synthesis, spectral and X-ray crystal structure of 3-(3-methoxyphenyl)-5-(3-methylthiophen-2-yl)-4,5-dihydro-1H-pyrazole-1-carboxamide: Hirshfeld surface, DFT calculations and thermo-optical studies. Chemical Data Collections, 2018, 13-14, 40-59.	2.3	15
18	Synthesis and evaluation of antifungal and antibacterial activity of ethyl 3,5-diarylisoxazole-4-carboxylates. Journal of Chemical Research, 2001, 2001, 436-438.	1.3	14

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19	Design and Amberlyst-15 mediated synthesis of novel thienyl-pyrazole carboxamides that potently inhibit Phospholipase A2 by binding to an allosteric site on the enzyme. Bioorganic Chemistry, 2018, 80, 444-452.	4.1	14
20	Design, synthesis and spectroscopic and crystallographic characterisation of novel functionalized pyrazole derivatives: biological evaluation for their cytotoxic, angiogenic and antioxidant activities. Research on Chemical Intermediates, 2018, 44, 5635-5652.	2.7	12
21	Synthesis of pyrazole fused pyran analogues: Antimicrobial, antioxidant and molecular docking studies. Chemical Data Collections, 2016, 5-6, 1-11.	2.3	11
22	An Environmentally Benign Lemon Juice Mediated Synthesis of Novel Furan Conjugated Pyrazole Derivatives and Their Biological Evaluation. Pharmaceutical Chemistry Journal, 2017, 51, 670-677.	0.8	11
23	Amberlyst-15 catalyzed synthesis of novel thiopheneâ€“pyrazoline derivatives: spectral and crystallographic characterization and anti-inflammatory and antimicrobial evaluation. Research on Chemical Intermediates, 2018, 44, 6453-6468.	2.7	11
24	(E)-3-(2,3-Dichlorophenyl)-1-(4-fluorophenyl)prop-2-en-1-one. IUCrData, 2016, 1, .	0.3	11
25	Synthesis of Coumarin Appended 1,3-Oxazines as Potent Antimicrobial and Antioxidant Agents. Pharmaceutical Chemistry Journal, 2017, 51, 582-589.	0.8	10
26	Synthesis of novel pyrazole carboxamides using reusable catalyst as antimicrobial agents and molecular docking studies. Chemical Data Collections, 2019, 20, 100193.	2.3	9
27	Green synthesis of novel pyrazoline carbothioamides: A potent antimicrobial and antioxidant agents. Chemical Data Collections, 2020, 28, 100445.	2.3	9
28	Synthesis, characterization and antioxidant activity studies of new coumarin tethered 1,3,4-oxadiazole analogues. Journal of Chemical Sciences, 2021, 133, 1.	1.5	9
29	Design, synthesis of coumarin tethered 1,2,3-triazoles analogues, evaluation of their antimicrobial and Î±-amylase inhibition activities. Journal of Chemical Sciences, 2021, 133, 1.	1.5	9
30	Synthesis, crystal and molecular structure of ethyl 2-(4-chlorobenzylidene)-3-oxobutanoate: Studies on antioxidant, antimicrobial activities and molecular docking. Chemical Data Collections, 2016, 5-6, 36-45.	2.3	7
31	An Accessible Route for the Synthesis of Novel Lignan Derivatives and Their Biological Evaluation. Pharmaceutical Chemistry Journal, 2017, 51, 661-669.	0.8	7
32	(E)-1-(5-Chlorothiophen-2-yl)-3-(2,4-dimethylphenyl)prop-2-en-1-one. IUCrData, 2016, 1, .	0.3	7
33	Design, synthesis, characterization, crystal structure, Hirshfeld surface analysis, DFT calculations, anticancer, angiogenic properties of new pyrazole carboxamide derivatives. Journal of Molecular Structure, 2021, 1235, 130271.	3.6	6
34	2-(3,4-Dimethoxyphenyl)-4-(thiophen-2-yl)-2,3-dihydro-1,5-benzothiazepine. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o121-o121.	0.2	5
35	4-(Thiophen-2-yl)-2-[4-(trifluoromethyl)phenyl]-2,3-dihydro-1,5-benzothiazepine. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o261-o261.	0.2	5
36	Structural elucidation and Hirshfeld surface analysis of a novel pyrazole derivative: 3-(Benzo[d][1,3]dioxol-5-yl)-1-(3-chlorophenyl)-5-(2,4-dichlorophenyl)-4,5-dihydro-1H-pyrazole. Chemical Data Collections, 2018, 15-16, 89-96.	2.3	5

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37	2-(4-Fluorophenyl)-4-(thiophen-2-yl)-2,3-dihydro-1,5-benzothiazepine. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1608-o1608.	0.2	5
38	3-Methyl-1,5-diphenyl-4,5-dihydro-1H-pyrazole. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o602-o602.	0.2	4
39	Crystal structure of 3-(thiophen-2-yl)-5-p-tolyl-4,5-dihydro-1H-pyrazole-1-carbothioamide. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 763-765.	0.5	4
40	Synthesis, crystal and molecular structure, and antimicrobial activity of ethyl 2-(4-methylbenzylidene)-3-oxobutanoate. Chemical Data Collections, 2016, 3-4, 1-7.	2.3	4
41	Crystal structure of 3-(thiophen-2-yl)-5-(p-tolyl)-4,5-dihydro-1H-pyrazole-1-carboxamide. Zeitschrift Fur Kristallographie - New Crystal Structures, 2016, 231, 267-269.	0.3	4
42	Synthesis, crystal structure studies and Hirshfeld surface analysis of 6-chloro-7-hydroxy-4-methyl-2 H -chromen-2-one. Chemical Data Collections, 2018, 15-16, 134-142.	2.3	4
43	An Efficient Synthesis of Thiophene Conjugated Benzothiazepines: in vitro Screening for their Antimicrobial Activity. Asian Journal of Chemistry, 2020, 32, 2601-2605.	0.3	3
44	Design, Synthesis, Characterization, Evaluation for Anticancer and Cytotoxic Properties of New Pyrazole Carbothioamides. Asian Journal of Organic & Medicinal Chemistry, 2021, 6, 53-58.	0.0	3
45	(E)-1-(5-Chlorothiophen-2-yl)-3-(p-tolyl)prop-2-en-1-one. IUCrData, 2017, 2, .	0.3	3
46	(E)-3-(2,3-Dichlorophenyl)-1-phenylprop-2-en-1-one. IUCrData, 2017, 2, .	0.3	3
47	Synthesis of ethyl 5-(4-chlorophenyl)-3-methyl-1-phenyl-1 H -pyrazole-4-carboxylate by an unusual protocol: Crystal and molecular structure, Hirshfeld surface analysis. Chemical Data Collections, 2017, 9-10, 89-97.	2.3	2
48	Environmentally benign synthesis of substituted pyrazoles as potent antioxidant agents, characterization and docking studies. Journal of the Iranian Chemical Society, 2021, 18, 479-493.	2.2	2
49	Isoxazoles-A Biocompatible Radical Scavenging Agents: Citrus Juice Mediated Environmentally Benign Synthesis and Characterization. Asian Journal of Chemistry, 2020, 32, 2997-3001.	0.3	2
50	Synthesis of Thienyl-Isoxazolines and in vitro Screening for their Antimicrobial Activity. Asian Journal of Organic & Medicinal Chemistry, 2020, 5, 208-212.	0.0	2
51	Ethyl 2-(4-fluorobenzylidene)-3-oxobutanoate: Synthesis, crystal structure and antimicrobial activities. Chemical Data Collections, 2016, 5-6, 68-78.	2.3	1
52	Crystal structure and Hirshfeld surface analysis of (E) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td ()-2-(1-(2-phenylhydrazono)ethyl)nap	2.3	1
53	(E)-1-(4-Methoxyphenyl)-3-(2,4,5-trimethoxyphenyl)prop-2-en-1-one. IUCrData, 2016, 1, .	0.3	1
54	Ethyl 3-methyl-1-phenyl-5-(p-tolyl)-1H-pyrazole-4-carboxylate. IUCrData, 2016, 1, .	0.3	1

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55	5-(2,3-Dichlorophenyl)-3-(4-methoxyphenyl)-1-phenyl-4,5-dihydro-1H-pyrazole. IUCrData, 2017, 2, .	0.3	1
56	1-(3-Chlorophenyl)-5-(4-chlorophenyl)-3-(5-chlorothiophen-2-yl)-4,5-dihydro-1H-pyrazole. IUCrData, 2017, 2, .	0.3	1
57	(E)-3-(2,3-Dichlorophenyl)-1-(2-methoxyphenyl)prop-2-en-1-one. IUCrData, 2017, 2, .	0.3	1
58	(E)-1-(Benzo[d][1,3]dioxol-5-yl)-3-(2,3-dichlorophenyl)prop-2-en-1-one. IUCrData, 2017, 2, .	0.3	1
59	(E)-1-(1,3-Benzodioxol-5-yl)-3-(2,4,5-trimethoxyphenyl)prop-2-en-1-one. IUCrData, 2017, 2, .	0.3	1
60	1,3-Bis(4-methylbenzoyl)-2,4-bis(2,4,5-trimethoxyphenyl)cyclobutane. IUCrData, 2017, 2, .	0.3	1
61	Crystal structure of (E)-N-phenyl-Nâ€²-[1-(thiophen-2-yl)ethylidene]formohydrazide. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o928-o929.	0.2	0
62	Synthesis, crystal and molecular structure, Hirshfeld surface analysis of diethyl 2-(4-methylbenzylidene)malonate. Chemical Data Collections, 2016, 2, 17-24.	2.3	0
63	Synthesis, Characterization, Crystallographic Studies of 5-Acetyl-8-hydroxyquinoline and Their Chalcone Derivatives. Asian Journal of Chemistry, 2020, 32, 1609-1613.	0.3	0
64	Eco-Friendly Approach for the Synthesis of Thiophene Linked Benzothiazepines as Biocompatible Free Radical Scavengers. Asian Journal of Organic & Medicinal Chemistry, 2021, 6, 1-6.	0.0	0
65	[3,4-Bis(2,3-dichlorophenyl)cyclobutane-1,2-diyl]bis(furan-2-ylmethanone) monohydrate. IUCrData, 2017, 2, .	0.3	0