Gk Nagaraja

List of Publications by Year
in descending order

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78	997	394286	501076
papers	citations	19 h-index	28 g-index

79	79	79	1183
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design and synthesis of some new pyrazolyl-pyrazolines as potential anti-inflammatory, analgesic and antibacterial agents. European Journal of Medicinal Chemistry, 2015, 101, 442-451.	2.6	81
2	Effect of electron beam irradiation on polymer electrolytes: Change in morphology, crystallinity, dielectric constant and AC conductivity with dose. Radiation Physics and Chemistry, 2014, 98, 124-131.	1.4	56
3	Functionalization of halloysite nanotube with chitosan reinforced poly (vinyl alcohol) nanocomposites for potential biomedical applications. International Journal of Biological Macromolecules, 2020, 165, 1079-1092.	3.6	39
4	Synthesis and pharmacological evaluation of some new fluorine containing hydroxypyrazolines as potential anticancer and antioxidant agents. European Journal of Medicinal Chemistry, 2015, 104, 25-32.	2.6	38
5	Synthesis of new pyrazole derivatives via multicomponent reaction and evaluation of their antimicrobial and antioxidant activities. Monatshefte FÃ¼r Chemie, 2015, 146, 1547-1555.	0.9	34
6	Study on the morphological and biocompatible properties of chitosan grafted silk fibre reinforced PVA films for tissue engineering applications. International Journal of Biological Macromolecules, 2018, 116, 45-53.	3.6	34
7	Design, synthesis, anticonvulsant and analgesic studies of new pyrazole analogues: a Knoevenagel reaction approach. RSC Advances, 2015, 5, 94786-94795.	1.7	32
8	Modified halloysite nanotubes with Chitosan incorporated PVA/PVP bionanocomposite films: Thermal, mechanical properties and biocompatibility for tissue engineering. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 634, 127941.	2.3	32
9	Phyto assisted synthesis and characterization of Scoparia dulsis L. leaf extract mediated porous nano CuO photocatalysts and its anticancer behavior. Applied Nanoscience (Switzerland), 2020, 10, 4221-4240.	1.6	30
10	Effect of silk fiber on the structural, thermal, and mechanical properties of PVA/PVP composite films. Polymer Engineering and Science, 2018, 58, 1923-1930.	1.5	29
11	Synthesis, Characterization, Antibacterial and Antioxidant Studies of Some Heterocyclic Compounds from Triazoleâ€Linked Chalcone Derivatives. ChemistrySelect, 2018, 3, 6338-6343.	0.7	29
12	Synthesis, characterization of phyto-functionalized CuO nano photocatalysts for mitigation of textile dyes in waste water purification, antioxidant, anti-inflammatory and anticancer evaluation. Applied Nanoscience (Switzerland), 2021, 11, 1313-1338.	1.6	28
13	Design, synthesis and characterization of new 1,2,3-triazolyl pyrazole derivatives as potential antimicrobial agents via a Vilsmeierâ€“Haack reaction approach. RSC Advances, 2016, 6, 59375-59388.	1.7	27
14	Effects of reinforcement of sodium alginate functionalized halloysite clay nanotubes on thermo-mechanical properties and biocompatibility of poly (vinyl alcohol) nanocomposites. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 118, 104441.	1.5	27
15	An Efficient Synthesis of 1,5-Thiadiazepines and 1,5-Benzodiazepines by Microwave-Assisted Heterocyclization. Phosphorus, Sulfur and Silicon and the Related Elements, 2006, 181, 2797-2806.	0.8	23
16	Synthesis, characterization of new imidazoquinonyl chalcones and pyrazolines as potential anticancer and antioxidant agents. Medicinal Chemistry Research, 2014, 23, 4189-4197.	1.1	21
17	Temperature-dependent ionic conductivity and transport properties of LiClO4-doped PVA/modified cellulose composites. Bulletin of Materials Science, 2015, 38, 1213-1221.	0.8	21
18	Development and characterization study of silk fibre reinforced poly(vinyl alcohol) composites. International Journal of Plastics Technology, 2017, 21, 108-122.	2.9	21

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19	Unravelling the human triple negative breast cancer suppressive activity of biocompatible zinc oxide nanostructures influenced by Vateria indica (L.) fruit phytochemicals. Materials Science and Engineering C, 2021, 122, 111887.	3.8	21
20	Poly (caprolactone)/sodium-alginate-functionalized halloysite clay nanotube nanocomposites: Potent biocompatible materials for wound healing applications. International Journal of Pharmaceutics, 2021, 607, 121048.	2.6	21
21	Crystal, Hirshfeld, ADMET, drug-like and anticancer study of some newly synthesized imidazopyridine containing pyrazoline derivatives. Journal of Molecular Structure, 2019, 1197, 65-72.	1.8	20
22	Design, synthesis, and pharmacology of some oxadiazole and hydroxypyrazoline hybrids bearing thiazoyl scaffold: antiproliferative activity, molecular docking and DNA binding studies. Heliyon, 2019, 5, e01255.	1.4	19
23	Chitosan functionalized halloysite nanotube/poly (caprolactone) nanocomposites for wound healing application. Applied Surface Science Advances, 2021, 6, 100158.	2.9	19
24	One pot synthesis of thiazolo[2,3-b]dihydropyrimidinone possessing pyrazole moiety and evaluation of their anti-inflammatory and antimicrobial activities. Medicinal Chemistry Research, 2018, 27, 171-185.	1.1	18
25	Design, Synthesis, DNA Binding, and Docking Studies of Thiazoles and Thiazoleâ€Containing Triazoles as Antibacterials. ChemistrySelect, 2018, 3, 3892-3898.	0.7	17
26	Bio-fabrication of multifunctional quasi-spherical green Î±-Fe2O3 nanostructures for paracetamol sensing and biomedical applications. Ceramics International, 2021, 47, 33651-33666.	2.3	14
27	Synthesis of imidazo [1, 2-a]pyridine-chalcones as potent inhibitors against A549â€cell line and their crystal studies. Journal of Molecular Structure, 2019, 1177, 381-390.	1.8	13
28	Synthesis of azabicyclo[4.2.0]octa-1,3,5-trien-8-one analogues of 1H-imidazo[4,5-c]quinoline and evaluation of their antimicrobial and anticancer activities. Medicinal Chemistry Research, 2014, 23, 2964-2975.	1.1	12
29	Processed Lignin as a Byproduct of the Generation of 5â€(Chloromethyl)furfural from Biomass: A Promising New Mesoporous Material. ChemSusChem, 2015, 8, 4172-4179.	3.6	12
30	Design, synthesis, characterization of some new 1,2,3-triazolyl chalcone derivatives as potential anti-microbial, anti-oxidant and anti-cancer agents via a Claisenâ€“Schmidt reaction approach. RSC Advances, 2016, 6, 99794-99808.	1.7	12
31	Design, synthesis, and pharmacological studies of some new Mannich bases and S-alkylated analogs of pyrazole integrated 1,3,4-oxadiazole. Research on Chemical Intermediates, 2016, 42, 2597-2617.	1.3	12
32	An ensuing repercussion of solvent alteration on biological and photocatalytic efficacy of Emilia sonchifolia (L.) phytochemicals capped zinc oxide nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 627, 127162.	2.3	11
33	Insight into the impact of zinc doping on the structural, surface, and biological properties of magnasium oxide nanoparticles stabilized by Vateria indica (L.) fruit extract. Ceramics International, 2021, 47, 29620-29630.	2.3	11
34	Pt nanoflower-poly(aniline) electrode material with the synchronized concept of energy storage in supercapacitor. Applied Surface Science, 2022, 589, 152994.	3.1	11
35	Synthesis and characterization of novel imidazoquinoline based 2-azetidinones as potent antimicrobial and anticancer agents. Journal of Saudi Chemical Society, 2017, 21, S434-S444.	2.4	10
36	Synthesis, Singleâ€Crystal Xâ€Ray, Hirshfeld and Antimicrobial Evaluation of some New Imidazopyridine Nucleus Incorporated with Oxadiazole Scaffold. ChemistrySelect, 2018, 3, 12894-12899.	0.7	10

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37	Microcannular electrode/polymer electrolyte interface for high performance supercapacitor. Electrochimica Acta, 2020, 353, 136558.	2.6	10
38	Oneâ€Pot Synthesis of Pyrimido[4,5â€d]pyrimidine Derivatives and Investigation of Their Antibacterial, Antioxidant, DNAâ€Binding and Voltammetric Characteristics. ChemistrySelect, 2019, 4, 990-996.	0.7	8
39	Bio-fabrication of multifunctional nano-ceria mediated from Pouteria campechiana for biomedical and sensing applications. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 424, 113631.	2.0	8
40	Synthesis, characterization, and pharmacological screening of new 1,3,4-oxadiazole derivatives possessing 3-fluoro-4-methoxyphenyl moiety. Monatshefte FÃ¼r Chemie, 2015, 146, 207-214.	0.9	7
41	Thermal, Morphological and Antibacterial Properties of Chitosan Grafted Silk Fibre Reinforced PVA Films. Materials Today: Proceedings, 2018, 5, 21011-21017.	0.9	7
42	Synthesis, Characterization, and Anticancer Studies of Some Pyrazoleâ€Based Hybrid Heteroatomics. ChemistrySelect, 2020, 5, 10827-10834.	0.7	7
43	Sauropus androgynus (L.) leaf phytochemical activated biocompatible zinc oxide nanoparticles: An antineoplastic agent against human triple negative breast cancer and a potent nanocatalyst for dye degradation. Applied Surface Science, 2021, 552, 149429.	3.1	7
44	4-Chlorobenzaldehyde (1-isobutyl-1H-imidazo[4,5-c]quinolin-4-yl)hydrazone monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o407-o408.	0.2	6
45	Synthesis of novel nitrogen containing naphtho[2,1-b]furan derivatives and investigation of their anti microbial activities. Arkivoc, 2007, 2006, 160-168.	0.3	6
46	Ethyl 7-Methyl-5-(4-methylphenyl)-3-oxo-2-{[3-(3,4-dichlorophenyl)-1-phenyl-1H-pyrazol-4-yl]methylidene}-2,3-dihydro-5H-[1,3]thiazolo[3,2-a] MolBank, 2012, 2012, M776.	0.4	5
47	Structural, spectral, and theoretical investigations of 5-methyl-1-phenyl-1H-pyrazole-4-carboxylic acid. Research on Chemical Intermediates, 2016, 42, 4497-4511.	1.3	5
48	AgVI and Ag/ZnOVI nanostructures from Vateria indica (L.) exert antioxidant, antidiabetic, anti-inflammatory and cytotoxic efficacy on triple negative breast cancer cells in vitro. International Journal of Pharmaceutics, 2022, 615, 121450.	2.6	5
49	The study of free radical polymerization of acrylonitrile by oxidationâ€“reduction system using potassium persulfateâ€“thiourea in aqueous medium. Journal of Applied Polymer Science, 2008, 110, 3395-3400.	1.3	4
50	Development, Characterization and Properties of Silk Fibre and Grafted Silk Fibre Reinforced Polymer Composite Films. , 0, , .		4
51	Towards the Synthesis of Imidazopyridine Derivatives: Characterization, Single Crystal XRD, Hirshfeld Analysis, and Biological Evaluation. ChemistrySelect, 2021, 6, 843-851.	0.7	4
52	4-Hydrazinyl-1-isobutyl-1H-imidazo[4,5-c]quinoline. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o406-o406.	0.2	3
53	Bis(4-fluoroanilinium) sulfate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2408-o2408.	0.2	3
54	2-[(E)-(2,4,6-Trichlorophenyl)iminomethyl]phenol. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o1934-o1934.	0.2	3

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55	1-Isobutyl-N,N-dimethyl-1H-imidazo[4,5-c]quinolin-4-amine. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o405-o405.	0.2	3
56	1-(tert-Butoxycarbonyl)piperidine-4-carboxylic acid. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2215-o2215.	0.2	3
57	1-{4-[(1-Isobutyl-1H-imidazo[4,5-c]quinolin-4yl)amino]phenyl}ethanone. MolBank, 2012, 2012, M788.	0.2	3
58	Synthesis Characterization and Crystal Structure of 2-(3,4,5-trimethoxyphenyl)-1-(4-fluorophenyl)-4,5-diphenyl-1H-imidazole. Molecular Crystals and Liquid Crystals, 2014, 593, 261-270.	0.4	3
59	Synthesis, characterization and pharmacological evaluation of some new 1,3,4-oxadiazole derivatives bearing 3-chloro-2-fluoro phenyl moiety. Research on Chemical Intermediates, 2016, 42, 7771-7792.	1.3	3
60	2-[(E)-(2,4-Dimethylphenyl)iminomethyl]phenol. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o1933-o1933.	0.2	3
61	Polymerization kinetics of acrylonitrile by oxidation: Reduction system using potassium persulfate/ascorbic acid in an aqueous medium. Journal of Applied Polymer Science, 2011, 121, 1299-1303.	1.3	2
62	4-(4,5-Diphenyl-1H-imidazol-2-yl)-N,N-dimethylaniline. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1006-o1006.	0.2	2
63	Synthesis, characterization, single crystal X-ray diffraction and DFT studies of ethyl 5-methyl-1-phenyl-1H-pyrazole-4-carboxylate. Molecular Crystals and Liquid Crystals, 2016, 629, 135-145.	0.4	2
64	Synthesis of novel 2-aryl-2,3-dihydronaphtho[2,1-b]furo[3,2-b] pyridin-4(1H)-ones of biological importance. Arkivoc, 2007, 2006, 142-152.	0.3	2
65	2-Methyl-6-(trifluoromethyl)imidazo[1,2-a]pyridine-3-carbonitrile. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o573-o573.	0.2	1
66	Nâ€²-(4-Fluorobenzylidene)-2-(4-fluorophenyl)acetohydrazide. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2835-o2835.	0.2	1
67	Crystal structure and hirshfeld surface analysis of 4-Methoxy-2-nitrobenzonitrile. Chemical Data Collections, 2016, 3-4, 36-45.	1.1	1
68	Synthesis, Characterization and Crystal Structure of (1Z)-2-(3-) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (Chlorophenyl)-N'-{[(3-fluo Molecule Research, 2014, 2, 27.	0.1	1
69	BenzylN-{2-[5-(4-chlorophenyl)-1,2,4-oxadiazol-3-yl]propan-2-yl}carbamate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o420-o421.	0.2	0
70	1-{4-Chloro-2-[2-(2-fluorophenyl)-1,3-dithiolan-2-yl]phenyl}-2-methyl-1H-imidazole-5-carbaldehyde. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o496-o497.	0.2	0
71	3-[(1-Isobutyl-1H-imidazo[4,5-c]quinolin-4-yl)amino]benzoic acid. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2150-o2150.	0.2	0
72	1-Isobutyl-4-methoxy-1H-imidazo[4,5-c]quinoline. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2331-o2331.	0.2	0

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73	(E)-4-Phenylbutan-2-one oxime. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2332-o2332.	0.2	0
74	2-Azido-1-(3,6-dichloro-9H-fluoren-1-yl)ethanone. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2656-o2657.	0.2	0
75	2-(4-Methoxyphenyl)-2-oxoethanaminium chloride. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2987-o2987.	0.2	0
76	(2E)-1-[2,3-Dichloro-6-methyl-5-(trifluoromethyl)phenyl]-2-(1-phenylethylidene)hydrazine. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o3189-o3189.	0.2	0
77	(Z)-N-[2-(Nâ€²-Hydroxycarbamimidoyl)phenyl]acetamide. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o370-o371.	0.2	0
78	Molecular properties prediction and synthesis of new oxadiazole derivatives possessing 3-fluoro-4-methoxyphenyl moiety as potent anti-inflammatory and analgesic agents. Monatshefte FÃ¼r Chemie, 2016, 147, 435-443.	0.9	0