

Gk Nagaraja

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Bio-fabrication of multifunctional nano-ceria mediated from <i>Pouteria campechiana</i> for biomedical and sensing applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 424, 113631.	2.0	8
2	Modified halloysite nanotubes with Chitosan incorporated PVA/PVP bionanocomposite films: Thermal, mechanical properties and biocompatibility for tissue engineering. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 634, 127941.	2.3	32
3	AgVI and Ag/ZnOVI nanostructures from <i>Vateria indica</i> (L.) exert antioxidant, antidiabetic, anti-inflammatory and cytotoxic efficacy on triple negative breast cancer cells in vitro. <i>International Journal of Pharmaceutics</i> , 2022, 615, 121450.	2.6	5
4	Pt nanoflower-poly(aniline) electrode material with the synchronized concept of energy storage in supercapacitor. <i>Applied Surface Science</i> , 2022, 589, 152994.	3.1	11
5	Synthesis, characterization of phyto-functionalized CuO nano photocatalysts for mitigation of textile dyes in waste water purification, antioxidant, anti-inflammatory and anticancer evaluation. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 1313-1338.	1.6	28
6	Unravelling the human triple negative breast cancer suppressive activity of biocompatible zinc oxide nanostructures influenced by <i>Vateria indica</i> (L.) fruit phytochemicals. <i>Materials Science and Engineering C</i> , 2021, 122, 111887.	3.8	21
7	<i>Sauropus androgynus</i> (L.) leaf phytochemical activated biocompatible zinc oxide nanoparticles: An antineoplastic agent against human triple negative breast cancer and a potent nanocatalyst for dye degradation. <i>Applied Surface Science</i> , 2021, 552, 149429.	3.1	7
8	Effects of reinforcement of sodium alginate functionalized halloysite clay nanotubes on thermo-mechanical properties and biocompatibility of poly (vinyl alcohol) nanocomposites. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 118, 104441.	1.5	27
9	Bio-fabrication of multifunctional quasi-spherical green $\hat{\pm}$ -Fe ₂ O ₃ nanostructures for paracetamol sensing and biomedical applications. <i>Ceramics International</i> , 2021, 47, 33651-33666.	2.3	14
10	Poly (caprolactone)/sodium-alginate-functionalized halloysite clay nanotube nanocomposites: Potent biocompatible materials for wound healing applications. <i>International Journal of Pharmaceutics</i> , 2021, 607, 121048.	2.6	21
11	An ensuing repercussion of solvent alteration on biological and photocatalytic efficacy of <i>Emilia sonchifolia</i> (L.) phytochemicals capped zinc oxide nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127162.	2.3	11
12	Insight into the impact of zinc doping on the structural, surface, and biological properties of magnasium oxide nanoparticles stabilized by <i>Vateria indica</i> (L.) fruit extract. <i>Ceramics International</i> , 2021, 47, 29620-29630.	2.3	11
13	Chitosan functionalized halloysite nanotube/poly (caprolactone) nanocomposites for wound healing application. <i>Applied Surface Science Advances</i> , 2021, 6, 100158.	2.9	19
14	Towards the Synthesis of Imidazopyridine Derivatives: Characterization, Single Crystal XRD, Hirshfeld Analysis, and Biological Evaluation. <i>ChemistrySelect</i> , 2021, 6, 843-851.	0.7	4
15	Functionalization of halloysite nanotube with chitosan reinforced poly (vinyl alcohol) nanocomposites for potential biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 1079-1092.	3.6	39
16	Synthesis, Characterization, and Anticancer Studies of Some Pyrazole-Based Hybrid Heteroatomics. <i>ChemistrySelect</i> , 2020, 5, 10827-10834.	0.7	7
17	Phyto assisted synthesis and characterization of <i>Scoparia dulcis</i> L. leaf extract mediated porous nano CuO photocatalysts and its anticancer behavior. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 4221-4240.	1.6	30
18	Microcannular electrode/polymer electrolyte interface for high performance supercapacitor. <i>Electrochimica Acta</i> , 2020, 353, 136558.	2.6	10

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19	Crystal, Hirshfeld, ADMET, drug-like and anticancer study of some newly synthesized imidazopyridine containing pyrazoline derivatives. <i>Journal of Molecular Structure</i> , 2019, 1197, 65-72.	1.8	20
20	One-pot Synthesis of Pyrimido[4,5-d]pyrimidine Derivatives and Investigation of Their Antibacterial, Antioxidant, DNA-Binding and Voltammetric Characteristics. <i>ChemistrySelect</i> , 2019, 4, 990-996.	0.7	8
21	Design, synthesis, and pharmacology of some oxadiazole and hydroxypyrazoline hybrids bearing thiazoyl scaffold: antiproliferative activity, molecular docking and DNA binding studies. <i>Heliyon</i> , 2019, 5, e01255.	1.4	19
22	Synthesis of imidazo [1, 2-a]pyridine-chalcones as potent inhibitors against A549 cell line and their crystal studies. <i>Journal of Molecular Structure</i> , 2019, 1177, 381-390.	1.8	13
23	Design, Synthesis, DNA Binding, and Docking Studies of Thiazoles and Thiazole-Containing Triazoles as Antibacterials. <i>ChemistrySelect</i> , 2018, 3, 3892-3898.	0.7	17
24	Study on the morphological and biocompatible properties of chitosan grafted silk fibre reinforced PVA films for tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 45-53.	3.6	34
25	Effect of silk fiber on the structural, thermal, and mechanical properties of PVA/PVP composite films. <i>Polymer Engineering and Science</i> , 2018, 58, 1923-1930.	1.5	29
26	One pot synthesis of thiazolo[2,3-b]dihydropyrimidinone possessing pyrazole moiety and evaluation of their anti-inflammatory and antimicrobial activities. <i>Medicinal Chemistry Research</i> , 2018, 27, 171-185.	1.1	18
27	Thermal, Morphological and Antibacterial Properties of Chitosan Grafted Silk Fibre Reinforced PVA Films. <i>Materials Today: Proceedings</i> , 2018, 5, 21011-21017.	0.9	7
28	Synthesis, Single-Crystal X-Ray, Hirshfeld and Antimicrobial Evaluation of some New Imidazopyridine Nucleus Incorporated with Oxadiazole Scaffold. <i>ChemistrySelect</i> , 2018, 3, 12894-12899.	0.7	10
29	Synthesis, Characterization, Antibacterial and Antioxidant Studies of Some Heterocyclic Compounds from Triazole-Linked Chalcone Derivatives. <i>ChemistrySelect</i> , 2018, 3, 6338-6343.	0.7	29
30	Synthesis and characterization of novel imidazoquinoline based 2-azetidinones as potent antimicrobial and anticancer agents. <i>Journal of Saudi Chemical Society</i> , 2017, 21, S434-S444.	2.4	10
31	Development and characterization study of silk fibre reinforced poly(vinyl alcohol) composites. <i>International Journal of Plastics Technology</i> , 2017, 21, 108-122.	2.9	21
32	Synthesis, characterization and pharmacological evaluation of some new 1,3,4-oxadiazole derivatives bearing 3-chloro-2-fluoro phenyl moiety. <i>Research on Chemical Intermediates</i> , 2016, 42, 7771-7792.	1.3	3
33	Crystal structure and hirshfeld surface analysis of 4-Methoxy-2-nitrobenzonitrile. <i>Chemical Data Collections</i> , 2016, 3-4, 36-45.	1.1	1
34	Design, synthesis, characterization of some new 1,2,3-triazolyl chalcone derivatives as potential anti-microbial, anti-oxidant and anti-cancer agents via a Claisen-Schmidt reaction approach. <i>RSC Advances</i> , 2016, 6, 99794-99808.	1.7	12
35	Synthesis, characterization, single crystal X-ray diffraction and DFT studies of ethyl 5-methyl-1-phenyl-1H-pyrazole-4-carboxylate. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 629, 135-145.	0.4	2
36	Design, synthesis and characterization of new 1,2,3-triazolyl pyrazole derivatives as potential antimicrobial agents via a Vilsmeier-Haack reaction approach. <i>RSC Advances</i> , 2016, 6, 59375-59388.	1.7	27

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37	Structural, spectral, and theoretical investigations of 5-methyl-1-phenyl-1H-pyrazole-4-carboxylic acid. <i>Research on Chemical Intermediates</i> , 2016, 42, 4497-4511.	1.3	5
38	Molecular properties prediction and synthesis of new oxadiazole derivatives possessing 3-fluoro-4-methoxyphenyl moiety as potent anti-inflammatory and analgesic agents. <i>Monatshefte für Chemie</i> , 2016, 147, 435-443.	0.9	0
39	Design, synthesis, and pharmacological studies of some new Mannich bases and S-alkylated analogs of pyrazole integrated 1,3,4-oxadiazole. <i>Research on Chemical Intermediates</i> , 2016, 42, 2597-2617.	1.3	12
40	Processed Lignin as a Byproduct of the Generation of 5-(Chloromethyl)furfural from Biomass: A Promising New Mesoporous Material. <i>ChemSusChem</i> , 2015, 8, 4172-4179.	3.6	12
41	Temperature-dependent ionic conductivity and transport properties of LiClO ₄ -doped PVA/modified cellulose composites. <i>Bulletin of Materials Science</i> , 2015, 38, 1213-1221.	0.8	21
42	Synthesis of new pyrazole derivatives via multicomponent reaction and evaluation of their antimicrobial and antioxidant activities. <i>Monatshefte für Chemie</i> , 2015, 146, 1547-1555.	0.9	34
43	Design and synthesis of some new pyrazolyl-pyrazolines as potential anti-inflammatory, analgesic and antibacterial agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 442-451.	2.6	81
44	Synthesis and pharmacological evaluation of some new fluorine containing hydroxypyrazolines as potential anticancer and antioxidant agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 104, 25-32.	2.6	38
45	Design, synthesis, anticonvulsant and analgesic studies of new pyrazole analogues: a Knoevenagel reaction approach. <i>RSC Advances</i> , 2015, 5, 94786-94795.	1.7	32
46	Synthesis, characterization, and pharmacological screening of new 1,3,4-oxadiazole derivatives possessing 3-fluoro-4-methoxyphenyl moiety. <i>Monatshefte für Chemie</i> , 2015, 146, 207-214.	0.9	7
47	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. <i>Medicinal Chemistry Research</i> , 2014, 23, 2964-2975.	1.1	12
48	Synthesis, characterization of new imidazoquinonyl chalcones and pyrazolines as potential anticancer and antioxidant agents. <i>Medicinal Chemistry Research</i> , 2014, 23, 4189-4197.	1.1	21
49	Synthesis Characterization and Crystal Structure of 2-(3,4,5-trimethoxyphenyl)-1-(4-fluorophenyl)-4,5-diphenyl-1H-imidazole. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 593, 261-270.	0.4	3
50	Effect of electron beam irradiation on polymer electrolytes: Change in morphology, crystallinity, dielectric constant and AC conductivity with dose. <i>Radiation Physics and Chemistry</i> , 2014, 98, 124-131.	1.4	56
51	Synthesis, Characterization and Crystal Structure of (1Z)-2-(3-(4-chlorophenyl)-1H-imidazol-2-yl)-N,N-dimethylaniline. <i>Molecule Research</i> , 2014, 2, 27.	0.1	1
52	(Z)-N-[2-(N-hydroxycarbamimidoyl)phenyl]acetamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o370-o371.	0.2	0
53	4-(4,5-Diphenyl-1H-imidazol-2-yl)-N,N-dimethylaniline. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o1006-o1006.	0.2	2
54	2-(4-Methoxyphenyl)-2-oxoethanaminium chloride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o2987-o2987.	0.2	0

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55	1-{4-[(1-Isobutyl-1H-imidazo[4,5-c]quinolin-4yl)amino]phenyl}ethanone. MolBank, 2012, 2012, M788.	0.2	3
56	(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
57	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-b]pyridin-6-ylidene]acetamide. MolBank, 2012, 2012, M776.		
58	4-Hydrazinyl-1-isobutyl-1H-imidazo[4,5-c]quinoline. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o406-o406.	0.2	3
59	Bis(4-fluoroanilinium) sulfate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2408-o2408.	0.2	3
60	2-[(2,4,6-Trichlorophenyl)iminomethyl]phenol. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o1934-o1934.	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	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
63	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
64	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
65	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
66	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
67	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
68	1-(tert-Butoxycarbonyl)piperidine-4-carboxylic acid. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2215-o2215.	0.2	3
69	1-Isobutyl-4-methoxy-1H-imidazo[4,5-c]quinoline. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2331-o2331.	0.2	0
70	(E)-4-Phenylbutan-2-one oxime. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2332-o2332.	0.2	0
71	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
72	Nâ€²-(4-Fluorobenzylidene)-2-(4-fluorophenyl)acetohydrazide. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2835-o2835.	0.2	1

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73	2-[(E)-(2,4-Dimethylphenyl)iminomethyl]phenol. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o1933-o1933.	0.2	3
74	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
75	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
76	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
77	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
78	Development, Characterization and Properties of Silk Fibre and Grafted Silk Fibre Reinforced Polymer Composite Films. , 0, , .		4