# Bathini Nagendra Babu

List of Publications by Year
in descending order



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|---|---|---|---|
| 51 papers | 977 citations | 430874 18 h-index | 501196 28 g-index |
| 59 all docs | 59 docs citations | 59 times ranked | 1258 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Synthesis and biological evaluation of curcumin inspired indole analogues as tubulin polymerization inhibitors. European Journal of Medicinal Chemistry, 2017, 127, 100-114. | 5.5 | 63 |
| 2 | An efficient synthesis of 5-substituted 1H-tetrazoles via B(C6F5)3 catalyzed [3+2] cycloaddition of nitriles and sodium azide. Tetrahedron Letters, 2014, 55, 3507-3510. | 1.4 | 48 |
| 3 | Synthesis and biological evaluation of novel Î”<sup>2</sup>-isoxazoline fused cyclopentane derivatives as potential antimicrobial and anticancer agents. MedChemComm, 2015, 6, 839-845. | 3.4 | 47 |
| 4 | Synthesis and Î±-glucosidase inhibition activity of dihydroxy pyrrolidines. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 2818-2823. | 2.2 | 47 |
| 5 | MoO<sub>2</sub>Cl<sub>2</sub>catalyzed efficient synthesis of functionalized 3,4-dihydropyrimidin-2(1H)-ones/thiones and polyhydroquinolines: recyclability, fluorescence and biological studies. New Journal of Chemistry, 2016, 40, 838-843. | 2.8 | 44 |
| 6 | Synthesis and biological evaluation of curcumin inspired imidazo[1,2-a]pyridine analogues as tubulin polymerization inhibitors. European Journal of Medicinal Chemistry, 2018, 143, 216-231. | 5.5 | 39 |
| 7 | Investigation of triazole-linked indole and oxindole glycoconjugates as potential anticancer agents: novel Akt/PKB signaling pathway inhibitors. MedChemComm, 2016, 7, 646-653. | 3.4 | 36 |
| 8 | Expanding the Conformational Pool of cis-Î²-Sugar Amino Acid:â€‰ Accommodation of Î²-hGly Motif in Robust 14-Helix. Journal of the American Chemical Society, 2005, 127, 9664-9665. | 13.7 | 35 |
| 9 | Regioselective Ring Expansion of Isatins with In Situ Generated Î±-Aryldiazomethanes: Direct Access to Viridicatin Alkaloids. Organic Letters, 2018, 20, 3639-3642. | 4.6 | 35 |
| 10 | Oligomers of cis-Î²-norbornene amino acid: Formation of Î²-strand mimetics. Chemical Communications, 2006, , 1548. | 4.1 | 34 |
| 11 | Tris(pentafluorophenyl)borane catalyzed acylation of alcohols, phenols, amines, and thiophenols under solvent-free condition. Tetrahedron Letters, 2014, 55, 1784-1787. | 1.4 | 34 |
| 12 | Indium(III) Chloride Catalyzed Synthesis of 5-Substituted 1H-Tetrazoles from Oximes and Sodium Azide. Synlett, 2016, 27, 1241-1244. | 1.8 | 32 |
| 13 | Î²-Strand mimetics: formation of bend-strands in oligomers of enantiomeric Î²-amino acids. Tetrahedron Letters, 2008, 49, 7368-7371. | 1.4 | 28 |
| 14 | Discovery of curcumin inspired sulfonamide derivatives as a new class of carbonic anhydrase isoforms I, II, IX, and XII inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 1274-1281. | 5.2 | 28 |
| 15 | Curcumin inspired 2-chloro/phenoxy quinoline analogues: Synthesis and biological evaluation as potential anticancer agents. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 892-898. | 2.2 | 28 |
| 16 | Synthesis and biological evaluation of oxindole linked indolyl-pyrimidine derivatives as potential cytotoxic agents. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3024-3028. | 2.2 | 26 |
| 17 | An efficient one-pot oxidative esterification of aldehydes to carboxylic esters using B(C6F5)3â€“TBHP. Tetrahedron Letters, 2015, 56, 889-892. | 1.4 | 24 |
| 18 | B(C6F5)3 as versatile catalyst: an efficient and mild protocol for the one-pot synthesis of functionalized piperidines and 2-substituted benzimidazole derivatives. Tetrahedron Letters, 2015, 56, 6795-6799. | 1.4 | 22 |

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|---|---|---|---|
| 19 | Design, synthesis, and antimicrobial evaluation of 1,4-dihydroindeno[1,2-c]pyrazole tethered carbohydrazide hybrids: exploring theirin silicoADMET, ergosterol inhibition and ROS inducing potential. MedChemComm, 2019, 10, 806-813. | 3.4 | 19 |
| 20 | Synthesis of C 5 -tethered indolyl-3-glyoxylamide derivatives as tubulin polymerization inhibitors. European Journal of Medicinal Chemistry, 2017, 128, 1-12. | 5.5 | 18 |
| 21 | New imidazo[2,1-b]thiazole-based aryl hydrazones: unravelling their synthesis and antiproliferative and apoptosis-inducing potential. RSC Medicinal Chemistry, 2020, 11, 1178-1184. | 3.9 | 18 |
| 22 | Synthesis of new triazole fused imidazo[2,1-b]thiazole hybrids with emphasis on Staphylococcus aureus virulence factors. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 126621. | 2.2 | 17 |
| 23 | Design and synthesis of 1,2,3-triazoleâ€“etodolac hybrids as potent anticancer molecules. RSC Advances, 2017, 7, 23680-23686. | 3.6 | 14 |
| 24 | Regioselective ring expansion followed by H-shift of 3-ylidene oxindoles: a convenient synthesis of N-substituted/un-substituted pyrrolo[2,3-c] quinolines and marinoquinolines. RSC Advances, 2019, 9, 35068-35072. | 3.6 | 14 |
| 25 | Design and synthesis of Î²-carboline linked aryl sulfonyl piperazine derivatives: DNA topoisomerase II inhibition with DNA binding and apoptosis inducing ability. Bioorganic Chemistry, 2020, 101, 103983. | 4.1 | 14 |
| 26 | Synthesis and biological evaluation of novel imidazo[1,2-a]pyridine-oxadiazole hybrids as anti-proliferative agents: Study of microtubule polymerization inhibition and DNA binding. Bioorganic and Medicinal Chemistry, 2021, 43, 116277. | 3.0 | 14 |
| 27 | Ligand-free Pd-catalysed decarboxylative arylation of imidazo[1,2-a]pyridine-3-carboxylic acids with aryl bromides. RSC Advances, 2016, 6, 65095-65104. | 3.6 | 13 |
| 28 | Aldehyde-Promoted One-Pot Regiospecific Synthesis of Acrylamides Using an in Situ Generated Molybdenum Tetracarbonyl Amine [Mo(CO)<sub>4</sub>(amine)<sub>2</sub>] Complex. Organic Letters, 2015, 17, 4592-4595. | 4.6 | 12 |
| 29 | Solvent-Controlled, Tunable Domino Reaction of 3-Ylideneoxindoles with in Situ-Generated Î±-Aryldiazomethanes: A Facile Access to 3-Spirocyclopropyl-2-oxindole and Pyrazoloquinazolinone Scaffolds. ACS Omega, 2018, 3, 12349-12360. | 3.5 | 12 |
| 30 | Synthesis and biological evaluation of new bisindole-imidazopyridine hybrids as apoptosis inducers. Bioorganic Chemistry, 2019, 87, 484-494. | 4.1 | 12 |
| 31 | Regioselective Ring Expansion of 3-Ylideneoxindoles with Tosyldiazomethane (TsDAM): A Metal-Free and Greener Approach for the Synthesis of Pyrazolo-[1,5-c]quinazolines. Journal of Organic Chemistry, 2020, 85, 5370-5378. | 3.2 | 12 |
| 32 | Synthesis, DNA binding affinity and anticancer activity of novel 4H-benzo[g][1,2,3]triazolo[5,1-c][1,4]oxazocines. Organic and Biomolecular Chemistry, 2016, 14, 9294-9305. | 2.8 | 10 |
| 33 | An efficient and mild oxidative amidation of aldehydes using B(C<sub>6</sub>F<sub>5</sub>)<sub>3</sub> as a catalyst and biological evaluation of the products as potential antimicrobial agents. New Journal of Chemistry, 2017, 41, 2328-2332. | 2.8 | 10 |
| 34 | Copper-Catalysed Tandem Synthesis of Substituted Quinazolines from Phenacyl Azides and O -Carbonyl Anilines. ChemistrySelect, 2017, 2, 5378-5383. | 1.5 | 10 |
| 35 | Targeting tubulin polymerization and DNA binding of 4-thiazolidinoneâ€“umbelliferone hybrids: synthesis and cytotoxicity evaluation. New Journal of Chemistry, 2021, 45, 18908-18923. | 2.8 | 10 |
| 36 | Synthesis, molecular modeling and biological evaluation of aza-flavanones as Î±-glucosidase inhibitors. MedChemComm, 2017, 8, 1618-1630. | 3.4 | 9 |

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|---|---|---|---|
| 37 | Tandem Synthesis of 3,4â€Disubstituted Pyrroles from Aldehydes, 1,3â€Diketones and TosMIC Under Metalâ€Free Conditions. ChemistrySelect, 2018, 3, 2730-2733. | 1.5 | 9 |
| 38 | A Comprehensive Review on the Therapeutic Versatility of Imidazo [2,1-b]thiazoles. Current Medicinal Chemistry, 2020, 27, 6864-6887. | 2.4 | 9 |
| 39 | An efficient catalytic reductive amination: A facile one-pot access to 1,2-dihydropyrrolo[3,4-b]indol-3(4H)-ones by using B(C 6 F 5 ) 3 /NaBH 4. Journal of Chemical Sciences, 2015, 127, 711-716. | 1.5 | 8 |
| 40 | Umbelliferoneâ€“oxindole hybrids as novel apoptosis inducing agents. New Journal of Chemistry, 2017, 41, 12604-12610. | 2.8 | 8 |
| 41 | Exploration of mercaptoacetamide-linked pyrimidine-1,3,4-oxadiazole derivatives as DNA intercalative topo II inhibitors: Cytotoxicity and apoptosis induction. Bioorganic and Medicinal Chemistry Letters, 2022, 65, 128697. | 2.2 | 8 |
| 42 | B(C6F5)3 catalyzed one-pot three-component Biginelli reaction: An efficient and environmentally benign protocol for the synthesis of 3,4-dihydropyrimidin-2(1H)-ones/thiones. Journal of Chemical Sciences, 2015, 127, 1047-1052. | 1.5 | 7 |
| 43 | Synthesis and biological evaluation of longanlactone analogues as neurotrophic agents. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 673-676. | 2.2 | 7 |
| 44 | Synthesis and biological evaluation of strained unusual amino acid containing tetrapeptides as potential antidepressant agents. Bioorganic Chemistry, 2015, 63, 53-57. | 4.1 | 6 |
| 45 | Design, Synthesis and Biological Evaluation of Substituted (1â€(4â€chlorobenzyl)â€1Hâ€indolâ€3â€yl) 1Hâ€(1,2,3â€triazolâ€4â€yl)methanones as Antifungal Agents. ChemistrySelect, 2019, 4, 2258-2266. | 1.5 | 6 |
| 46 | Design and Synthesis of New Etodolacâ€Pyridazinones as Potent Anticancer Agents Using Pb(OAc)<sub>4</sub> to Assist Nâ€N Bond Formation. ChemistrySelect, 2018, 3, 5050-5054. | 1.5 | 5 |
| 47 | A facile and metal-free domino reaction of TsDAM and 2-alkenylarylaldehyde: An easy access to 8-hydroxy-2,8-dihydro indeno [2,1-c]pyrazoles. Organic and Biomolecular Chemistry, 2021, 19, 4118-4125. | 2.8 | 5 |
| 48 | Synthesis and Biological Evaluation of Thieno[2,â€‰3â€d]pyrimidineâ€amides as Potential Anticancer Agents. ChemistrySelect, 2018, 3, 3101-3106. | 1.5 | 4 |
| 49 | Design and synthesis of substituted (1-(benzyl)-1H-1,2,3-triazol-4-yl)(piperazin-1-yl)methanone conjugates: study on their apoptosis inducing ability and tubulin polymerization inhibition. RSC Medicinal Chemistry, 2020, 11, 1295-1302. | 3.9 | 3 |
| 50 | Insights into the pharmacophore-based 3D-QSAR modeling, molecular dynamics simulation studies of certain dihydroxy pyrrolidine/piperidine and aza-flavanone derivatives as Î±-glucosidase inhibitors. Journal of Molecular Structure, 2021, 1223, 129243. | 3.6 | 2 |
| 51 | New Indolylâ€Arylaminopropenone Conjugates: Synthesis, Cytotoxicity and Apoptotic Inducing Studies. ChemistrySelect, 2020, 5, 2063-2069. | 1.5 | 2 |