# Jayant Sindhu

List of Publications by Year
in descending order

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| 43 | 971 | 361045 | 476904 |
|---|---|---|---|
| papers | citations | 20 | 29 |
| | | h-index | g-index |

| 43 | 43 | 43 | 934 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Quantitative structure activity relationship studies of novel hydrazone derivatives as Î±-amylase inhibitors with index of ideality of correlation. Journal of Biomolecular Structure and Dynamics, 2022, 40, 4933-4953. | 2.0 | 34 |
| 2 | Synthesis and exploration of configurational dynamics in equilibratingE/Z2-aryliminothiazolidin-4-ones using NMR and estimation of thermodynamic parameters. New Journal of Chemistry, 2022, 46, 5012-5025. | 1.4 | 6 |
| 3 | Sonochemical Protocols for Heterocyclic Synthesis: A Representative Review. Topics in Current Chemistry, 2022, 380, 14. | 3.0 | 5 |
| 4 | Structural Diversity of Dâ€Alanine: Dâ€Alanine Ligase and Its Exploration in Development of Antibacterial Agents Against the Multiâ€Variant Bacterial Infections. ChemistrySelect, 2022, 7, . | 0.7 | 0 |
| 5 | Electro-organic synthesis: an environmentally benign alternative for heterocycle synthesis. Organic and Biomolecular Chemistry, 2022, 20, 5163-5229. | 1.5 | 17 |
| 6 | In-silico identification of fingerprint of pyrazolyl sulfonamide responsible for inhibition of N-myristoyltransferase using Monte Carlo method with index of ideality of correlation. Journal of Biomolecular Structure and Dynamics, 2021, 39, 5014-5025. | 2.0 | 13 |
| 7 | Synthesis, Crystal structure and DFT studies of Polyfunctionalized Alkenes: A transition Metal-Free C(sp2)-H Sulfenylation of electron deficient Alkyne. Journal of Molecular Structure, 2021, 1225, 129089. | 1.8 | 3 |
| 8 | Exploration of synthesis, structural aspects, DFT studies and bio-efficacy of some new DHA-benzohydrazide based copper(II) complexes. Journal of Molecular Structure, 2021, 1228, 129460. | 1.8 | 10 |
| 9 | Synthesis, structural and pharmacological exploration of 2-(3,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td (5-dimethyl-1H-p<br>114972. | 1.0 | 6 |
| 10 | Synthesis, molecular docking and QSAR study of thiazole clubbed pyrazole hybrid as Î±-amylase inhibitor. Journal of Biomolecular Structure and Dynamics, 2021, 39, 91-107. | 2.0 | 51 |
| 11 | Transition metal-free C-3 functionalization of quinoxalin-2(1H)-ones: recent advances and sanguine future. New Journal of Chemistry, 2021, 45, 18722-18763. | 1.4 | 27 |
| 12 | Recent efforts for drug identification from phytochemicals against SARS-CoV-2: Exploration of the chemical space to identify druggable leads. Food and Chemical Toxicology, 2021, 152, 112160. | 1.8 | 13 |
| 13 | Solidâ€Supported Materialsâ€Based Synthesis of 2â€Substituted Benzothiazoles: Recent Developments and Sanguine Future. ChemistrySelect, 2021, 6, 6388-6449. | 0.7 | 4 |
| 14 | Exploring biological efficacy of novel benzothiazole linked 2,5-disubstituted-1,3,4-oxadiazole hybrids as efficient Î±-amylase inhibitors: Synthesis, characterization, inhibition, molecular docking, molecular dynamics and Monte Carlo based QSAR studies. Computers in Biology and Medicine, 2021, 138, 104876. | 3.9 | 31 |
| 15 | Experimental and Computational Validation of Structural Features and BSA Binding Tendency of 5â€Hydroxyâ€5â€trifluoromethylâ€3â€arylpyrazolines**. ChemistrySelect, 2021, 6, 10324-10335. | 0.7 | 12 |
| 16 | Excited-State Intramolecular Hydrogen-Bonding-Assisted Restricted Rotation: A Mechanism for Monitoring Intracellular Viscosity and Distinguishing Malignant, Differentiating, and Apoptotic Cancer Cells. ACS Applied Bio Materials, 2021, 4, 7532-7541. | 2.3 | 6 |
| 17 | Transition Metalâ€Free Sulfenylation of Câ^'H Bonds for Câ^'S Bond Formation in Recent Years: Mechanistic Approach and Promising Future. ChemistrySelect, 2021, 6, 13077-13208. | 0.7 | 18 |
| 18 | Thiazolidineâ€4â€one clubbed pyrazoles hybrids: Potent Î±â€amylase and Î±â€glucosidase inhibitors with NLO properties. Journal of Heterocyclic Chemistry, 2020, 57, 1573-1587. | 1.4 | 31 |

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|---|---|---|---|
| 19 | Synthesis, Crystal and DFT studies of Zn/Co complexes of Dehydroacetic acid using ligand exchange approach. Inorganic Chemistry Communication, 2020, 122, 108280. | 1.8 | 8 |
| 20 | Eco-friendly Preparations of Heterocycles Using Fruit Juices as Catalysts: A Review. Organic Preparations and Procedures International, 2020, 52, 381-395. | 0.6 | 11 |
| 21 | QSAR Models for Nitrogen Containing Monophosphonate and Bisphosphonate Derivatives as Human Farnesyl Pyrophosphate Synthase Inhibitors Based on Monte Carlo Method. Drug Research, 2019, 69, 159-167. | 0.7 | 43 |
| 22 | Crystal structure, Hirshfeld surface, DFT and BSA binding studies of dihydropyrazole-1-thiocarboxamides. Journal of Molecular Structure, 2019, 1196, 662-675. | 1.8 | 10 |
| 23 | Development of an off-on selective fluorescent sensor for the detection of Fe3+ ions based on Schiff base and its Hirshfeld surface and DFT studies. Journal of Molecular Liquids, 2019, 296, 111814. | 2.3 | 27 |
| 24 | Disaggregation-induced ESIPT: a novel approach towards development of sensors for hyperglycemic condition. New Journal of Chemistry, 2019, 43, 2065-2076. | 1.4 | 24 |
| 25 | Silica-supported ceric ammonium nitrate (CAN): a simple, mild and solid-supported reagent for quickest oxidative aromatization of Hantzsch 1,4-dihydropyridines. Chemical Papers, 2019, 73, 1153-1162. | 1.0 | 12 |
| 26 | Design, synthesis, DFT, docking studies and ADME prediction of some new coumarinyl linked pyrazolylthiazoles: Potential standalone or adjuvant antimicrobial agents. PLoS ONE, 2018, 13, e0196016. | 1.1 | 71 |
| 27 | Synthesis of novel inhibitors of Î±-amylase based on the thiazolidine-4-one skeleton containing a pyrazole moiety and their configurational studies. MedChemComm, 2017, 8, 1468-1476. | 3.5 | 55 |
| 28 | Synthesis and biological evaluation of some functionalized 1H-1,2,3-triazole tethered pyrazolo[3,4-b]pyridin-6(7H)-ones as antimicrobial and apoptosis inducing agents. Medicinal Chemistry Research, 2016, 25, 1813-1830. | 1.1 | 33 |
| 29 | Cathepsin B, H and L inhibitors as cell proliferating agents: design, synthesis, computational and pharmacological studies of some novel 2-(2-naphthoyl)-6,6-dimethyl-3-aryl-2,3,6,7-tetrahydrobenzofuran-4(5H)-ones. RSC Advances, 2016, 6, 34588-34599. | 1.7 | 7 |
| 30 | Efficient Green Approach for the Synthesis of Spiro[indoline-3,4â€²-pyrazolo[3,4-b]quinoline]diones Using [NMP]H<sub>2</sub>PO<sub>4</sub> and Solvatochromic and pH Studies. Synthetic Communications, 2015, 45, 1101-1113. | 1.1 | 7 |
| 31 | An efficient, green synthesis of novel regioselective and stereoselective indan-1,3-dione grafted spirooxindolopyrrolizidine linked 1,2,3-triazoles via a one-pot five-component condensation using PEG-400. RSC Advances, 2015, 5, 39686-39691. | 1.7 | 20 |
| 32 | Synthesis of novel fluorescence xantheneâ€“aminoquinoline conjugates, determination of dipole moment and selective fluorescence chemosensor for Th4+ ions. Optical Materials, 2015, 42, 449-457. | 1.7 | 22 |
| 33 | Synthesis and photophysical properties of novel chloroquinoline based chalcone derivates containing 1,2,3-triazole moiety. Journal of Luminescence, 2015, 158, 340-350. | 1.5 | 15 |
| 34 | Efficient Synthesis of Spiro[diindenopyridine-indoline]triones Catalyzed by PEG-OSO<sub>3</sub>H-H<sub>2</sub>O and [NMP]H<sub>2</sub>PO<sub>4</sub>. Synthetic Communications, 2015, 45, 202-210. | 1.1 | 13 |
| 35 | Multicomponent domino process for the synthesis of some novel 5-(arylidene)-3-((1-aryl-1H-1,2,3-triazol-4-yl)methyl)-thiazolidine-2,4-diones using PEG-400 as an efficient reaction medium and their antimicrobial evaluation. Chinese Chemical Letters, 2015, 26, 50-54. | 4.8 | 24 |
| 36 | Ultrasound promoted one pot synthesis of novel fluorescent triazolyl spirocyclic oxindoles using DBU based task specific ionic liquids and their antimicrobial activity. European Journal of Medicinal Chemistry, 2014, 77, 145-154. | 2.6 | 84 |

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| 37 | A green, multicomponent, regio- and stereo-selective 1,3-dipolar cycloaddition of azides and azomethine ylides generated in situ with bifunctional dipolarophiles using PEG-400. Molecular Diversity, 2014, 18, 345-355. | 2.1 | 18 |
| 38 | Determination of dipole moment, solvatochromic studies and application as turn off fluorescence chemosensor of new 3-(4-(dimethylamino)phenyl)-1-(5-methyl-1-(naphthalen-1-yl)-1H-1,2,3-triazol-4-yl)prop-2-en-1-one. Sensors and Actuators B: Chemical, 2014, 192, 536-542. | 4.0 | 43 |
| 39 | Syntheses, biological evaluation and photophysical studies of novel 1,2,3-triazole linked azo dyes. RSC Advances, 2014, 4, 5915. | 1.7 | 31 |
| 40 | Efficient, green and regioselective synthesis of 1,4,5-trisubstituted-1,2,3-triazoles in ionic liquid [bmim]BF4 and in task-specific basic ionic liquid [bmim]OH. Journal of the Iranian Chemical Society, 2013, 10, 883-888. | 1.2 | 19 |
| 41 | Synthesis of biologically as well as industrially important 1,4,5-trisubstituted-1,2,3-triazoles using a highly efficient, green and recyclable DBUâ€“H2O catalytic system. RSC Advances, 2013, 3, 22360. | 1.7 | 38 |
| 42 | A Facile Eco-Friendly One-Pot Five-Component Synthesis of Novel 1,2,3-Triazole-Linked Pentasubstituted 1,4-Dihydropyridines and their Biological and Photophysical Studies. Australian Journal of Chemistry, 2013, 66, 1088. | 0.5 | 28 |
| 43 | Multicomponent Synthesis of Novel 2-Aryl-5-((1-aryl-1H-1,2,3-triazol-4-yl)methylthio)-1,3,4-oxadiazoles using CuI as Catalyst and their Antimicrobial Evaluation. Australian Journal of Chemistry, 2013, 66, 710. | 0.5 | 21 |