

Jayant Sindhu

List of Publications by Year in descending order

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43
papers

971
citations

361045
20
h-index

476904
29
g-index

43
all docs

43
docs citations

43
times ranked

934
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasound promoted one pot synthesis of novel fluorescent triazolyl spirocyclic oxindoles using DBU based task specific ionic liquids and their antimicrobial activity. <i>European Journal of Medicinal Chemistry</i> , 2014, 77, 145-154.	2.6	84
2	Design, synthesis, DFT, docking studies and ADME prediction of some new coumarinyl linked pyrazolylthiazoles: Potential standalone or adjuvant antimicrobial agents. <i>PLoS ONE</i> , 2018, 13, e0196016.	1.1	71
3	Synthesis of novel inhibitors of α -amylase based on the thiazolidine-4-one skeleton containing a pyrazole moiety and their configurational studies. <i>MedChemComm</i> , 2017, 8, 1468-1476.	3.5	55
4	Synthesis, molecular docking and QSAR study of thiazole clubbed pyrazole hybrid as α -amylase inhibitor. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 91-107.	2.0	51
5	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. <i>Sensors and Actuators B: Chemical</i> , 2014, 192, 536-542.	4.0	43
6	QSAR Models for Nitrogen Containing Monophosphonate and Bisphosphonate Derivatives as Human Farnesyl Pyrophosphate Synthase Inhibitors Based on Monte Carlo Method. <i>Drug Research</i> , 2019, 69, 159-167.	0.7	43
7	Synthesis of biologically as well as industrially important 1,4,5-trisubstituted-1,2,3-triazoles using a highly efficient, green and recyclable DBU/H ₂ O catalytic system. <i>RSC Advances</i> , 2013, 3, 22360.	1.7	38
8	Quantitative structure activity relationship studies of novel hydrazone derivatives as α -amylase inhibitors with index of ideality of correlation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 4933-4953.	2.0	34
9	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. <i>Medicinal Chemistry Research</i> , 2016, 25, 1813-1830.	1.1	33
10	Syntheses, biological evaluation and photophysical studies of novel 1,2,3-triazole linked azo dyes. <i>RSC Advances</i> , 2014, 4, 5915.	1.7	31
11	Thiazolidine clubbed pyrazoles hybrids: Potent α -amylase and α -glucosidase inhibitors with NLO properties. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 1573-1587.	1.4	31
12	Exploring biological efficacy of novel benzothiazole linked 2,5-disubstituted-1,3,4-oxadiazole hybrids as efficient α -amylase inhibitors: Synthesis, characterization, inhibition, molecular docking, molecular dynamics and Monte Carlo based QSAR studies. <i>Computers in Biology and Medicine</i> , 2021, 138, 104876.	3.9	31
13	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. <i>Australian Journal of Chemistry</i> , 2013, 66, 1088.	0.5	28
14	Development of an off-on selective fluorescent sensor for the detection of Fe ³⁺ ions based on Schiff base and its Hirshfeld surface and DFT studies. <i>Journal of Molecular Liquids</i> , 2019, 296, 111814.	2.3	27
15	Transition metal-free C-3 functionalization of quinoxalin-2(1 <i>H</i>)-ones: recent advances and sanguine future. <i>New Journal of Chemistry</i> , 2021, 45, 18722-18763.	1.4	27
16	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. <i>Chinese Chemical Letters</i> , 2015, 26, 50-54.	4.8	24
17	Disaggregation-induced ESIPT: a novel approach towards development of sensors for hyperglycemic condition. <i>New Journal of Chemistry</i> , 2019, 43, 2065-2076.	1.4	24
18	Synthesis of novel fluorescence xanthene aminoquinoline conjugates, determination of dipole moment and selective fluorescence chemosensor for Th ⁴⁺ ions. <i>Optical Materials</i> , 2015, 42, 449-457.	1.7	22

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19	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
20	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
21	Efficient, green and regioselective synthesis of 1,4,5-trisubstituted-1,2,3-triazoles in ionic liquid [bmim]BF ₄ and in task-specific basic ionic liquid [bmim]OH. Journal of the Iranian Chemical Society, 2013, 10, 883-888.	1.2	19
22	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
23	Transition Metal-Free Sulfenylation of C-H Bonds for C-S Bond Formation in Recent Years: Mechanistic Approach and Promising Future. ChemistrySelect, 2021, 6, 13077-13208.	0.7	18
24	Electro-organic synthesis: an environmentally benign alternative for heterocycle synthesis. Organic and Biomolecular Chemistry, 2022, 20, 5163-5229.	1.5	17
25	Synthesis and photophysical properties of novel chloroquinoline based chalcone derivatives containing 1,2,3-triazole moiety. Journal of Luminescence, 2015, 158, 340-350.	1.5	15
26	Efficient Synthesis of Spiro[diindenopyridine-indoline]triones Catalyzed by PEG-OSO ₃ H-H ₂ O and [NMP]H ₂ PO ₄ . Synthetic Communications, 2015, 45, 202-210.	1.1	13
27	<i>In-silico</i> identification of fingerprint of pyrazolyl sulfonamide responsible for inhibition of <i>N</i> -myristoyltransferase using Monte Carlo method with index of ideality of correlation. Journal of Biomolecular Structure and Dynamics, 2021, 39, 5014-5025.	2.0	13
28	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
29	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
30	Experimental and Computational Validation of Structural Features and BSA Binding Tendency of 5-Hydroxy-5-trifluoromethyl-3-arylpyrazolines**. ChemistrySelect, 2021, 6, 10324-10335.	0.7	12
31	Eco-friendly Preparations of Heterocycles Using Fruit Juices as Catalysts: A Review. Organic Preparations and Procedures International, 2020, 52, 381-395.	0.6	11
32	Crystal structure, Hirshfeld surface, DFT and BSA binding studies of dihydropyrazole-1-thiocarboxamides. Journal of Molecular Structure, 2019, 1196, 662-675.	1.8	10
33	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
34	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
35	Efficient Green Approach for the Synthesis of Spiro[indoline-3,4'-pyrazolo[3,4- <i>b</i>]quinoline]diones Using [NMP]H ₂ PO ₄ and Solvatochromic and pH Studies. Synthetic Communications, 2015, 45, 1101-1113.	1.1	7
36	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

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37	Synthesis, structural and pharmacological exploration of 2-(3, Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (5-dimethyl-1H-pyr 114972.	1.0	6
38	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
39	Synthesis and exploration of configurational dynamics in equilibrating<i>E</i>/<i>Z</i> 2-aryliminothiazolidin-4-ones using NMR and estimation of thermodynamic parameters. New Journal of Chemistry, 2022, 46, 5012-5025.	1.4	6
40	Sonochemical Protocols for Heterocyclic Synthesis: A Representative Review. Topics in Current Chemistry, 2022, 380, 14.	3.0	5
41	Solidâ€Supported Materialsâ€Based Synthesis of 2â€Substituted Benzothiazoles: Recent Developments and Sanguine Future. ChemistrySelect, 2021, 6, 6388-6449.	0.7	4
42	Synthesis, Crystal structure and DFT studies of Polyfunctionalized Alkenes: A transition Metal-Free C(sp ²)-H Sulfenylation of electron deficient Alkyne. Journal of Molecular Structure, 2021, 1225, 129089.	1.8	3
43	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