Michael Rajesh Stephen

List of Publications by Year
in descending order

30	1,001	471509 17	501196 28
papers	citations	h-index	g-index

32	32	32	1327
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Novel three-component domino reactions of ketones, isatin and amino acids: Synthesis and discovery of antimycobacterial activity of highly functionalised novel dispiropyrrolidines. European Journal of Medicinal Chemistry, 2010, 45, 411-422.	5.5	129
2	Antimycobacterial activity of spirooxindolo-pyrrolidine, pyrrolizine and pyrrolothiazole hybrids obtained by a three-component regio- and stereoselective 1,3-dipolar cycloaddition. MedChemComm, 2011, 2, 626.	3.4	126
3	l-Proline-catalysed sequential four-component â€œon waterâ€•protocol for the synthesis of structurally complex heterocyclic ortho-quinones. Green Chemistry, 2011, 13, 3248.	9.0	92
4	Facile ionic liquid-mediated, three-component sequential reactions for the green, regio- and diastereoselective synthesis of furocoumarins. Tetrahedron, 2012, 68, 5631-5636.	1.9	57
5	eEF2K/eEF2 Pathway Controls the Excitation/Inhibition Balance and Susceptibility to Epileptic Seizures. Cerebral Cortex, 2017, 27, bhw075.	2.9	57
6	Novel Benzodiazepine-Like Ligands with Various Anxiolytic, Antidepressant, or Pro-Cognitive Profiles. Molecular Neuropsychiatry, 2019, 5, 84-97.	2.9	54
7	A green expedient synthesis of pyridopyrimidine-2-thiones and their antitubercular activity. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 3012-3016.	2.2	50
8	An eco-friendly sequential catalyst- and solvent-free four-component stereoselective synthesis of novel 1,4-pyranonaphthoquinones. Green Chemistry, 2012, 14, 2484.	9.0	45
9	Multi-component, 1,3-dipolar cycloaddition reactions for the chemo-, regio- and stereoselective synthesis of novel hybrid spiroheterocycles in ionic liquid. Tetrahedron Letters, 2012, 53, 5367-5371.	1.4	44
10	Design and Synthesis of Novel Deuterated Ligands Functionally Selective for the Î³-Aminobutyric Acid Type A Receptor (GABA_AR) Î±6 Subtype with Improved Metabolic Stability and Enhanced Bioavailability. Journal of Medicinal Chemistry, 2018, 61, 2422-2446.	6.4	40
11	A microwave-mediated catalyst- and solvent-free regioselective Biginelli reaction in the synthesis of highly functionalized novel tetrahydropyrimidines. Tetrahedron Letters, 2013, 54, 1076-1079.	1.4	36
12	A Novel Orally Available Asthma Drug Candidate That Reduces Smooth Muscle Constriction and Inflammation by Targeting GABA_A Receptors in the Lung. Molecular Pharmaceutics, 2018, 15, 1766-1777.	4.6	33
13	Development of GABA_A Receptor Subtype-Selective Imidazobenzodiazepines as Novel Asthma Treatments. Molecular Pharmaceutics, 2016, 13, 2026-2038.	4.6	27
14	Alleviation of Multiple Asthmatic Pathologic Features with Orally Available and Subtype Selective GABA_A Receptor Modulators. Molecular Pharmaceutics, 2017, 14, 2088-2098.	4.6	26
15	1,3-Dipolar cycloaddition of nitrile oxides to (R)-1-(1-phenylethyl)-3,5-bis[(E)-arylmethylidene]tetrahydro-4(1H)-pyridinones: synthesis and antimycobacterial evaluation of novel enantiomerically pure di- and trispiroheterocycles. Tetrahedron: Asymmetry, 2010, 21, 1315-1327.	1.8	24
16	Targeting the Î³-Aminobutyric Acid A Receptor Î±4 Subunit in Airway Smooth Muscle to Alleviate Bronchoconstriction. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 546-553.	2.9	22
17	Concise Total Synthesis of (â^')â€Affinisine Oxindole, (+)â€Isoalstonisine, (+)â€Alstofoline, (â^')â€Macrogentine, (+)â€N_aâ€Demethylalstonisine, (â^')â€Alstonoxineâ€…A, and (+)â€Alstonisine. Chemistry - A European Journal, 2017, 23, 15805-15819.	3.3	20
18	Modulating native GABAA receptors in medulloblastoma with positive allosteric benzodiazepine-derivatives induces cell death. Journal of Neuro-Oncology, 2019, 142, 411-422.	2.9	18

#	Article	IF	Citations
19	Optimization of substituted imidazobenzodiazepines as novel asthma treatments. European Journal of Medicinal Chemistry, 2017, 126, 550-560.	5.5	17
20	Evidence That Sedative Effects of Benzodiazepines Involve Unexpected GABA_A Receptor Subtypes: Quantitative Observation Studies in Rhesus Monkeys. Journal of Pharmacology and Experimental Therapeutics, 2018, 366, 145-157.	2.5	17
21	Synthesis of chiral GABAA receptor subtype selective ligands as potential agents to treat schizophrenia as well as depression. Arkivoc, 2018, 2018, 158-182.	0.5	15
22	Effects of the benzodiazepine GABAA Î±1-preferring antagonist 3-isopropoxy-Î²-carboline hydrochloride (3-ISOPBC) on alcohol seeking and self-administration in baboons. Drug and Alcohol Dependence, 2017, 170, 25-31.	3.2	11
23	A Facile Synthesis and Discovery of Highly Functionalized Tetrahydro-pyridines and Pyridines as Antimycobacterial Agents. Chemical and Pharmaceutical Bulletin, 2010, 58, 602-610.	1.3	10
24	Brain Vacuolation Resulting From Administration of the Type II Ampakine CX717 Is An Artifact Related to Molecular Structure and Chemical Reaction With Tissue Fixative Agents. Toxicological Sciences, 2018, 162, 383-395.	3.1	10
25	Synthesis and crystal structures of 5'-phenylspiro[indoline-3, 2'-pyrrolidin]-2-one derivatives. Chemistry Central Journal, 2011, 5, 45.	2.6	6
26	Facile domino reactions in the statistically controlled product- and stereoselective synthesis of densely functionalized cis-1,4-cyclohexa-1,4-dienes and trans,trans-trisubstituted-1,2,5,6-tetrahydropyridines. Tetrahedron Letters, 2012, 53, 3880-3884.	1.4	6
27	Attaining in vivo selectivity of positive modulation of Î±3Î²2Î³2 GABAA receptors in rats: A hard task!. European Neuropsychopharmacology, 2018, 28, 903-914.	0.7	6
28	Completion of the Total Synthesis of Several Bioactive Sarpagine/Macroline Alkaloids including the Important NF-ÎºB Inhibitor N4-Methyltalpinine. Molecules, 2022, 27, 1738.	3.8	3
29	T117. Pro-Cognitive Properties of a Novel GABA-A Receptor Positive Modulator in Animal Models of Depression and Aging. Biological Psychiatry, 2019, 85, S174.	1.3	0
30	Heavy Drugs: An Emerging Tool for an Improved Half-Life of the Drugs and Lead Compounds. MOJ Bioorganic & Organic Chemistry, 2017, 1, .	0.1	0