

# Michael Rajesh Stephen

## List of Publications by Year in descending order

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30  
papers

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citations

471509

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32  
docs citations

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times ranked

1327  
citing authors

#	ARTICLE	IF	CITATIONS
1	Completion of the Total Synthesis of Several Bioactive Sarpagine/Macroline Alkaloids including the Important NF- $\kappa$ B Inhibitor N4-Methylalpinine. <i>Molecules</i> , 2022, 27, 1738.	3.8	3
2	Novel Benzodiazepine-Like Ligands with Various Anxiolytic, Antidepressant, or Pro-Cognitive Profiles. <i>Molecular Neuropsychiatry</i> , 2019, 5, 84-97.	2.9	54
3	Modulating native GABA <sub>A</sub> receptors in medulloblastoma with positive allosteric benzodiazepine-derivatives induces cell death. <i>Journal of Neuro-Oncology</i> , 2019, 142, 411-422.	2.9	18
4	T117. Pro-Cognitive Properties of a Novel GABA-A Receptor Positive Modulator in Animal Models of Depression and Aging. <i>Biological Psychiatry</i> , 2019, 85, S174.	1.3	0
5	Design and Synthesis of Novel Deuterated Ligands Functionally Selective for the $\hat{\gamma}$ <sup>3</sup> -Aminobutyric Acid Type A Receptor (GABA <sub>A</sub> ) $\hat{\gamma}$ <sub>6</sub> Subtype with Improved Metabolic Stability and Enhanced Bioavailability. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2422-2446.	6.4	40
6	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. <i>Toxicological Sciences</i> , 2018, 162, 383-395.	3.1	10
7	A Novel Orally Available Asthma Drug Candidate That Reduces Smooth Muscle Constriction and Inflammation by Targeting GABA <sub>A</sub> Receptors in the Lung. <i>Molecular Pharmaceutics</i> , 2018, 15, 1766-1777.	4.6	33
8	Synthesis of chiral GABA <sub>A</sub> receptor subtype selective ligands as potential agents to treat schizophrenia as well as depression. <i>Arkivoc</i> , 2018, 2018, 158-182.	0.5	15
9	Evidence That Sedative Effects of Benzodiazepines Involve Unexpected GABA <sub>A</sub> Receptor Subtypes: Quantitative Observation Studies in Rhesus Monkeys. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 366, 145-157.	2.5	17
10	Attaining in vivo selectivity of positive modulation of $\hat{\gamma}$ <sub>3</sub> $\hat{\gamma}$ <sub>2</sub> GABA <sub>A</sub> receptors in rats: A hard task!. <i>European Neuropsychopharmacology</i> , 2018, 28, 903-914.	0.7	6
11	eEF2K/eEF2 Pathway Controls the Excitation/Inhibition Balance and Susceptibility to Epileptic Seizures. <i>Cerebral Cortex</i> , 2017, 27, bhw075.	2.9	57
12	Alleviation of Multiple Asthmatic Pathologic Features with Orally Available and Subtype Selective GABA <sub>A</sub> Receptor Modulators. <i>Molecular Pharmaceutics</i> , 2017, 14, 2088-2098.	4.6	26
13	Optimization of substituted imidazobenzodiazepines as novel asthma treatments. <i>European Journal of Medicinal Chemistry</i> , 2017, 126, 550-560.	5.5	17
14	Concise Total Synthesis of ( $\hat{\gamma}$ ) <sup>+</sup> Affinisine Oxindole, (+) <sup>+</sup> Isalstonisine, (+) <sup>+</sup> Alstofoline, ( $\hat{\gamma}$ ) <sup>+</sup> Macrogentine, (+) <sup>+</sup> Demethylalstonisine, ( $\hat{\gamma}$ ) <sup>+</sup> Alstonoxine...A, and (+) <sup>+</sup> Alstonisine. <i>Chemistry - A European Journal</i> , 2017, 23, 15805-15819.	3.3	20
15	Effects of the benzodiazepine GABA <sub>A</sub> $\hat{\gamma}$ <sub>1</sub> -preferring antagonist 3-isopropoxy- $\hat{\gamma}$ <sup>2</sup> -carboline hydrochloride (3-ISOPBC) on alcohol seeking and self-administration in baboons. <i>Drug and Alcohol Dependence</i> , 2017, 170, 25-31.	3.2	11
16	Heavy Drugs: An Emerging Tool for an Improved Half-Life of the Drugs and Lead Compounds. <i>MOJ Bioorganic &amp; Organic Chemistry</i> , 2017, 1, .	0.1	0
17	Development of GABA <sub>A</sub> Receptor Subtype-Selective Imidazobenzodiazepines as Novel Asthma Treatments. <i>Molecular Pharmaceutics</i> , 2016, 13, 2026-2038.	4.6	27
18	Targeting the $\hat{\gamma}$ <sup>3</sup> -Aminobutyric Acid A Receptor $\hat{\gamma}$ <sub>4</sub> Subunit in Airway Smooth Muscle to Alleviate Bronchoconstriction. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 54, 546-553.	2.9	22

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19	A microwave-mediated catalyst- and solvent-free regioselective Biginelli reaction in the synthesis of highly functionalized novel tetrahydropyrimidines. <i>Tetrahedron Letters</i> , 2013, 54, 1076-1079.	1.4	36
20	An eco-friendly sequential catalyst- and solvent-free four-component stereoselective synthesis of novel 1,4-pyranonaphthoquinones. <i>Green Chemistry</i> , 2012, 14, 2484.	9.0	45
21	Multi-component, 1,3-dipolar cycloaddition reactions for the chemo-, regio- and stereoselective synthesis of novel hybrid spiroheterocycles in ionic liquid. <i>Tetrahedron Letters</i> , 2012, 53, 5367-5371.	1.4	44
22	Facile ionic liquid-mediated, three-component sequential reactions for the green, regio- and diastereoselective synthesis of furocoumarins. <i>Tetrahedron</i> , 2012, 68, 5631-5636.	1.9	57
23	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. <i>Tetrahedron Letters</i> , 2012, 53, 3880-3884.	1.4	6
24	Antimycobacterial activity of spirooxindolo-pyrrolidine, pyrrolizine and pyrrolothiazole hybrids obtained by a three-component regio- and stereoselective 1,3-dipolar cycloaddition. <i>MedChemComm</i> , 2011, 2, 626.	3.4	126
25	l-Proline-catalysed sequential four-component "on water" protocol for the synthesis of structurally complex heterocyclic ortho-quinones. <i>Green Chemistry</i> , 2011, 13, 3248.	9.0	92
26	Synthesis and crystal structures of 5'-phenylspiro[indoline-3, 2'-pyrrolidin]-2-one derivatives. <i>Chemistry Central Journal</i> , 2011, 5, 45.	2.6	6
27	A green expedient synthesis of pyridopyrimidine-2-thiones and their antitubercular activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 3012-3016.	2.2	50
28	A Facile Synthesis and Discovery of Highly Functionalized Tetrahydro-pyridines and Pyridines as Antimycobacterial Agents. <i>Chemical and Pharmaceutical Bulletin</i> , 2010, 58, 602-610.	1.3	10
29	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. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1315-1327.	1.8	24
30	Novel three-component domino reactions of ketones, isatin and amino acids: Synthesis and discovery of antimycobacterial activity of highly functionalised novel dispiropyrrrolidines. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 411-422.	5.5	129