

# Michael J Burns

## List of Publications by Year in descending order

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17  
papers

747  
citations

759055

12  
h-index

887953

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple Palladium(II) Precatalyst for Suzuki–Miyaura Couplings: Efficient Reactions of Benzylic, Aryl, Heteroaryl, and Vinyl Coupling Partners. <i>Organic Letters</i> , 2007, 9, 5397-5400.	2.4	146
2	Delivering strong <sup>1</sup> H nuclear hyperpolarization levels and long magnetic lifetimes through signal amplification by reversible exchange. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3188-E3194.	3.3	115
3	Toward Biocompatible Nuclear Hyperpolarization Using Signal Amplification by Reversible Exchange: Quantitative <i>in Situ</i> Spectroscopy and High-Field Imaging. <i>Analytical Chemistry</i> , 2014, 86, 1767-1774.	3.2	105
4	Hyperpolarisation through reversible interactions with parahydrogen. <i>Catalysis Science and Technology</i> , 2014, 4, 3544-3554.	2.1	84
5	Improving the Hyperpolarization of <sup>31</sup> P Nuclei by Synthetic Design. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5020-5027.	1.2	65
6	Pathways for <i>N</i> -Nitroso Compound Formation: Secondary Amines and Beyond. <i>Organic Process Research and Development</i> , 2020, 24, 1558-1585.	1.3	64
7	Achieving Biocompatible SABRE: An <i>in vitro</i> Cytotoxicity Study. <i>ChemMedChem</i> , 2018, 13, 352-359.	1.6	36
8	Pd-catalysed regioselective C–H functionalisation of 2-pyrones. <i>Dalton Transactions</i> , 2010, 39, 10391.	1.6	28
9	Controlling a Cohort: Use of Mirabilis-Based Purge Calculations to Understand Nitrosamine-Related Risk and Control Strategy Options. <i>Organic Process Research and Development</i> , 2020, 24, 1531-1535.	1.3	17
10	4-Hydroxy-6-alkyl-2-pyrones as nucleophilic coupling partners in Mitsunobu reactions and oxa-Michael additions. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1159-1165.	1.3	16
11	New Semi-Automated Computer-Based System for Assessing the Purge of Mutagenic Impurities. <i>Organic Process Research and Development</i> , 2019, 23, 2470-2481.	1.3	16
12	Using <sup>2</sup> H labelling to improve the NMR detectability of pyridine and its derivatives by SABRE. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 663-671.	1.1	13
13	Nitrosamine Reactivity: A Survey of Reactions and Purge Processes. <i>Organic Process Research and Development</i> , 2021, 25, 1788-1801.	1.3	12
14	Total Synthesis and Stereochemical Revision of Phacelocarpus 2–Pyrene A. <i>Chemistry - A European Journal</i> , 2015, 21, 18905-18909.	1.7	10
15	A simple and cost-efficient technique to generate hyperpolarized long-lived <sup>15</sup> N- <sup>15</sup> N nuclear spin order in a diazine by signal amplification by reversible exchange. <i>Journal of Chemical Physics</i> , 2020, 152, 014201.	1.2	9
16	Use of Lhasa Limited Products for the In Silico Prediction of Drug Toxicity. <i>Methods in Molecular Biology</i> , 2022, 2425, 435-478.	0.4	7
17	Steric and electronic effects on the <sup>1</sup> H hyperpolarisation of substituted pyridazines by signal amplification by reversible exchange. <i>Magnetic Resonance in Chemistry</i> , 2021, 59, 1187-1198.	1.1	4