

Philippe Barrie Wilson

List of Publications by Citations

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

454
citations

11
h-index

20
g-index

44
ext. papers

582
ext. citations

4.9
avg, IF

4.28
L-index

#	Paper	IF	Citations
39	Ruthenium(II)-Catalyzed C≡N Functionalization Using the Oxazolidinone Heterocycle as a Weakly Coordinating Directing Group: Experimental and Computational Insights. <i>ACS Catalysis</i> , 2016 , 6, 5520-5529	13.1	69
38	Progress in low-field benchtop NMR spectroscopy in chemical and biochemical analysis. <i>Analytica Chimica Acta</i> , 2019 , 1067, 11-30	6.6	52
37	Low-Field, Benchtop NMR Spectroscopy as a Potential Tool for Point-of-Care Diagnostics of Metabolic Conditions: Validation, Protocols and Computational Models. <i>High-Throughput</i> , 2018 , 8,	4.3	46
36	Application of mesoporous silica nanoparticles as drug delivery carriers for chemotherapeutic agents. <i>Drug Discovery Today</i> , 2020 , 25, 1513-1520	8.8	44
35	Recent advances in avian egg science: A review. <i>Poultry Science</i> , 2017 , 96, 3747-3754	3.9	32
34	Q6: A comprehensive toolkit for empirical valence bond and related free energy calculations. <i>SoftwareX</i> , 2018 , 7, 388-395	2.7	28
33	Potential Adverse Public Health Effects Afforded by the Ingestion of Dietary Lipid Oxidation Product Toxins: Significance of Fried Food Sources. <i>Nutrients</i> , 2020 , 12,	6.7	28
32	Benchtop Low-Frequency 60 MHz NMR Analysis of Urine: A Comparative Metabolomics Investigation. <i>Metabolites</i> , 2020 , 10,	5.6	15
31	Benchtop NMR Spectroscopy and Spectral Analysis of the cis- and trans-Stilbene Products of the Wittig Reaction. <i>Journal of Chemical Education</i> , 2019 , 96, 1938-1947	2.4	15
30	Influence of Equatorial CH ₂ ···O Interactions on Secondary Kinetic Isotope Effects for Methyl Transfer. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3192-5	16.4	15
29	Solvent effects on isotope effects: methyl cation as a model system. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 802-9	3.4	13
28	Structure-activity modelling of essential oils, their components, and key molecular parameters and descriptors. <i>Molecular and Cellular Probes</i> , 2018 , 38, 25-30	3.3	10
27	Dynamic Quantum Sensing of Paramagnetic Species Using Nitrogen-Vacancy Centers in Diamond. <i>ACS Sensors</i> , 2020 , 5, 703-710	9.2	10
26	SULISO: The Bath suite of vibrational characterization and isotope effect calculation software. <i>SoftwareX</i> , 2017 , 6, 1-6	2.7	8
25	Critical evaluation of anharmonic corrections to the equilibrium isotope effect for methyl cation transfer from vacuum to dielectric continuum. <i>Molecular Physics</i> , 2015 , 113, 1704-1711	1.7	8
24	Teaching Analytical Chemistry to Pharmacy Students: A Combined, Iterative Approach. <i>Journal of Chemical Education</i> , 2018 , 95, 47-54	2.4	8
23	G-Protein coupled receptors: structure and function in drug discovery.. <i>RSC Advances</i> , 2020 , 10, 36337-36348	3.48	7

22	Metabolomic Studies of Lipid Storage Disorders, with Special Reference to Niemann-Pick Type C Disease: A Critical Review with Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
21	Evaluations of the Peroxidative Susceptibilities of Cod Liver Oils by a H NMR Analysis Strategy: Peroxidative Resistivity of a Natural Collagenous and Biogenic Amine-Rich Fermented Product. <i>Nutrients</i> , 2020 , 12,	6.7	5
20	Genetic analysis of the endangered Cleveland Bay horse: A century of breeding characterised by pedigree and microsatellite data. <i>PLoS ONE</i> , 2020 , 15, e0240410	3.7	4
19	Molecular Composition of and Potential Health Benefits Offered by Natural East African Virgin Sunflower Oil Products: A 400 MHz 1H NMR Analysis Study. <i>International Journal of Nutrition</i> , 2019 , 3, 22-43	2.2	4
18	A computational study of the influence of methyl substituents on competitive ring closure to β and δ -lactones. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 7235-7240	3.9	3
17	Mitochondrial D-loop sequence variation and maternal lineage in the endangered Cleveland Bay horse. <i>PLoS ONE</i> , 2020 , 15, e0243247	3.7	3
16	Self-Assembled Anion-Binding Cryptand for the Selective Liquid-Liquid Extraction of Phosphate Anions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20480-20484	16.4	3
15	Computational Modeling of a Caged Methyl Cation: Structure, Energetics, and Vibrational Analysis. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 1432-1438	2.8	2
14	Influence of Equatorial CH ₂ ...O Interactions on Secondary Kinetic Isotope Effects for Methyl Transfer. <i>Angewandte Chemie</i> , 2016 , 128, 3244-3247	3.6	2
13	16 Years of breed management brings substantial improvement in population genetics of the endangered Cleveland Bay Horse. <i>Ecology and Evolution</i> , 2021 , 11, 14555-14572	2.8	2
12	Errors in DFT integration grids and their potential impact on chemical shift calculations. <i>Magnetic Resonance in Chemistry</i> , 2020 , 58, 116-117	2.1	2
11	Characterization of yellow root cassava and food products: investigation of cyanide and β -carotene concentrations. <i>BMC Research Notes</i> , 2020 , 13, 333	2.3	2
10	NMR-based metabolomics associated with chronic kidney disease in humans and animals: a one health perspective. <i>Molecular and Cellular Biochemistry</i> , 2021 , 476, 4133-4137	4.2	2
9	Characterization Of Yellow Root Cassava And Food Products: Investigation Of Cyanogenic Glycosides And Pro-Vitamin A		1
8	Minireview: Applications of NMR-based metabolomics for the detection and characterisation of toxoplasmosis in felids. <i>Analytical Science Advances</i> , 2021 , 2, 295-298	1.1	1
7	Preliminary demonstration of benchtop NMR metabolic profiling of feline urine: chronic kidney disease as a case study.. <i>BMC Research Notes</i> , 2021 , 14, 469	2.3	1
6	Mitochondrial D-loop sequence variation and maternal lineage in the endangered Cleveland Bay horse 2020 , 15, e0243247		
5	Mitochondrial D-loop sequence variation and maternal lineage in the endangered Cleveland Bay horse 2020 , 15, e0243247		

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- 2 Mitochondrial D-loop sequence variation and maternal lineage in the endangered Cleveland Bay horse **2020**, 15, e0243247
- 1 Mitochondrial D-loop sequence variation and maternal lineage in the endangered Cleveland Bay horse **2020**, 15, e0243247