Philippe Barrie Wilson

List of Publications by Year in Descending Order

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	16 Years of breed management brings substantial improvement in population genetics of the endangered Cleveland Bay Horse. *Ecology and Evolution*, **2021**, 11, 14555-14572	2.8	2
38	Minireview: Applications of NMR-based metabolomics for the detection and characterisation of toxoplasmosis in felids. *Analytical Science Advances*, **2021**, 2, 295-298	1.1	1
37	NMR-based metabolomics associated with chronic kidney disease in humans and animals: a one health perspective. *Molecular and Cellular Biochemistry*, **2021**, 476, 4133-4137	4.2	2
36	Preliminary demonstration of benchtop NMR metabolic profiling of feline urine: chronic kidney disease as a case study.. *BMC Research Notes*, **2021**, 14, 469	2.3	1
35	Application of mesoporous silica nanoparticles as drug delivery carriers for chemotherapeutic agents. *Drug Discovery Today*, **2020**, 25, 1513-1520	8.8	44
34	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. *Nutrients*, **2020**, 12,	6.7	5
33	Benchtop Low-Frequency 60 MHz NMR Analysis of Urine: A Comparative Metabolomics Investigation. *Metabolites*, **2020**, 10,	5.6	15
32	Genetic analysis of the endangered Cleveland Bay horse: A century of breeding characterised by pedigree and microsatellite data. *PLoS ONE*, **2020**, 15, e0240410	3.7	4
31	Mitochondrial D-loop sequence variation and maternal lineage in the endangered Cleveland Bay horse. *PLoS ONE*, **2020**, 15, e0243247	3.7	3
30	Errors in DFT integration grids and their potential impact on chemical shift calculations. *Magnetic Resonance in Chemistry*, **2020**, 58, 116-117	2.1	2
29	Dynamic Quantum Sensing of Paramagnetic Species Using Nitrogen-Vacancy Centers in Diamond. *ACS Sensors*, **2020**, 5, 703-710	9.2	10
28	G-Protein coupled receptors: structure and function in drug discovery.. *RSC Advances*, **2020**, 10, 36337-36348	3.7	7
27	Characterization of yellow root cassava and food products: investigation of cyanide and β-carotene concentrations. *BMC Research Notes*, **2020**, 13, 333	2.3	2
26	Self-Assembled Anion-Binding Cryptand for the Selective Liquid-Liquid Extraction of Phosphate Anions. *Angewandte Chemie - International Edition*, **2020**, 59, 20480-20484	16.4	3
25	Metabolomic Studies of Lipid Storage Disorders, with Special Reference to Niemann-Pick Type C Disease: A Critical Review with Future Perspectives. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	7
24	Potential Adverse Public Health Effects Afforded by the Ingestion of Dietary Lipid Oxidation Product Toxins: Significance of Fried Food Sources. *Nutrients*, **2020**, 12,	6.7	28
23	Mitochondrial D-loop sequence variation and maternal lineage in the endangered Cleveland Bay horse **2020**, 15, e0243247		

22	Mitochondrial D-loop sequence variation and maternal lineage in the endangered Cleveland Bay horse **2020**, 15, e0243247		
21	Mitochondrial D-loop sequence variation and maternal lineage in the endangered Cleveland Bay horse **2020**, 15, e0243247		
20	Mitochondrial D-loop sequence variation and maternal lineage in the endangered Cleveland Bay horse **2020**, 15, e0243247		
19	Mitochondrial D-loop sequence variation and maternal lineage in the endangered Cleveland Bay horse **2020**, 15, e0243247		
18	Mitochondrial D-loop sequence variation and maternal lineage in the endangered Cleveland Bay horse **2020**, 15, e0243247		
17	Progress in low-field benchtop NMR spectroscopy in chemical and biochemical analysis. *Analytica Chimica Acta*, **2019**, 1067, 11-30	6.6	52
16	Benchtop NMR Spectroscopy and Spectral Analysis of the cis- and trans-Stilbene Products of the Wittig Reaction. *Journal of Chemical Education*, **2019**, 96, 1938-1947	2.4	15
15	Molecular Composition of and Potential Health Benefits Offered by Natural East African Virgin Sunflower Oil Products: A 400 MHz 1H NMR Analysis Study. *International Journal of Nutrition*, **2019**, 3, 22-43	2.2	4
14	Low-Field, Benchtop NMR Spectroscopy as a Potential Tool for Point-of-Care Diagnostics of Metabolic Conditions: Validation, Protocols and Computational Models. *High-Throughput*, **2018**, 8,	4.3	46
13	Computational Modeling of a Caged Methyl Cation: Structure, Energetics, and Vibrational Analysis. *Journal of Physical Chemistry A*, **2018**, 122, 1432-1438	2.8	2
12	Structure-activity modelling of essential oils, their components, and key molecular parameters and descriptors. *Molecular and Cellular Probes*, **2018**, 38, 25-30	3.3	10
11	Q6: A comprehensive toolkit for empirical valence bond and related free energy calculations. *SoftwareX*, **2018**, 7, 388-395	2.7	28
10	Teaching Analytical Chemistry to Pharmacy Students: A Combined, Iterative Approach. *Journal of Chemical Education*, **2018**, 95, 47-54	2.4	8
9	SULISO: The Bath suite of vibrational characterization and isotope effect calculation software. *SoftwareX*, **2017**, 6, 1-6	2.7	8
8	Recent advances in avian egg science: A review. *Poultry Science*, **2017**, 96, 3747-3754	3.9	32
7	A computational study of the influence of methyl substituents on competitive ring closure to □ and □lactones. *Organic and Biomolecular Chemistry*, **2017**, 15, 7235-7240	3.9	3
6	Ruthenium(II)-Catalyzed C□H Functionalization Using the Oxazolidinone Heterocycle as a Weakly Coordinating Directing Group: Experimental and Computational Insights. *ACS Catalysis*, **2016**, 6, 5520-5529	13.1	69
5	Influence of Equatorial CH???O Interactions on Secondary Kinetic Isotope Effects for Methyl Transfer. *Angewandte Chemie*, **2016**, 128, 3244-3247	3.6	2

4	Influence of Equatorial CH???O Interactions on Secondary Kinetic Isotope Effects for Methyl Transfer. *Angewandte Chemie - International Edition*, **2016**, 55, 3192-5	16.4	15
3	Critical evaluation of anharmonic corrections to the equilibrium isotope effect for methyl cation transfer from vacuum to dielectric continuum. *Molecular Physics*, **2015**, 113, 1704-1711	1.7	8
2	Solvent effects on isotope effects: methyl cation as a model system. *Journal of Physical Chemistry B*, **2015**, 119, 802-9	3.4	13
1	Characterization Of Yellow Root Cassava And Food Products: Investigation Of Cyanogenic Glycosides And Pro-Vitamin A		1