

Adam W McMahon

List of Publications by Year in descending order

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61
papers

1,088
citations

471509

17
h-index

434195

31
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64
all docs

64
docs citations

64
times ranked

1465
citing authors

#	ARTICLE	IF	CITATIONS
1	P-glycoprotein expression and function in patients with temporal lobe epilepsy: a case-control study. <i>Lancet Neurology</i> , The, 2013, 12, 777-785.	10.2	155
2	Resonance excitation of ions stored in a quadrupole ion trap. Part 1. A simulation study. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1989, 95, 119-156.	1.8	86
3	Mineralized soft-tissue structure and chemistry in a mummified hadrosaur from the Hell Creek Formation, North Dakota (USA). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 3429-3437.	2.6	81
4	Resonance excitation of ions stored in a quadrupole ion trap Part II. Further simulation studies. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1990, 99, 109-124.	1.8	54
5	Photoyellowing and discolouration of UV cured acrylated clear coatings systems: influence of photoinitiator type. <i>Polymer Degradation and Stability</i> , 1999, 64, 39-48.	5.8	44
6	Pre- and Postsynaptic Serotonergic Differences in Males with Extreme Levels of Impulsive Aggression Without Callous Unemotional Traits: A Positron Emission Tomography Study Using 11C-DASB and 11C-MDL100907. <i>Biological Psychiatry</i> , 2012, 72, 1004-1011.	1.3	41
7	Negative-ion-negative-ion neutralization-reionization ($\hat{\sim}NR\hat{\sim}$). <i>Organic Mass Spectrometry</i> , 1989, 24, 620-624.	1.3	40
8	Site of protonation of aromatic compounds: A neutralization-reionization study. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1989, 87, 275-285.	1.8	34
9	Striatal opioid receptor availability is related to acute and chronic pain perception in arthritis. <i>Pain</i> , 2015, 156, 2267-2275.	4.2	34
10	A new technique for the radiolabelling of mixed leukocytes with zirconium-89 for inflammation imaging with positron emission tomography. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2016, 59, 270-276.	1.0	34
11	Hydrolytic stability and hydrolysis reaction mechanism of bis(2,4-di-tert-butyl)pentaerythritol diphosphite (Alkanox P-24). <i>Polymer Degradation and Stability</i> , 2006, 91, 195-211.	5.8	31
12	Brain Serotonin Transporter Occupancy by Oral Sibutramine Dosed to Steady State: A PET Study Using 11C-DASB in Healthy Humans. <i>Neuropsychopharmacology</i> , 2010, 35, 741-751.	5.4	25
13	Enhanced Fatty Acid Scavenging and Glycerophospholipid Metabolism Accompany Melanocyte Neoplasia Progression in Zebrafish. <i>Cancer Research</i> , 2019, 79, 2136-2151.	0.9	24
14	Investigation of factors affecting the adsorption of functional molecules onto gel silicas. <i>Journal of Colloid and Interface Science</i> , 2005, 287, 379-387.	9.4	23
15	Application of analytical methods based on X-ray spectroscopy to the determination of radionuclides. <i>Science of the Total Environment</i> , 1993, 130-131, 285-295.	8.0	22
16	The hydrolysis mechanism of bis(2,4-di-tert-butyl)pentaerythritol diphosphite (Alkanox P24): An atmospheric pressure photoionisation mass spectrometric study. <i>Polymer Degradation and Stability</i> , 2006, 91, 2675-2682.	5.8	22
17	Targeting the MAPK7/MMP9 axis for metastasis in primary bone cancer. <i>Oncogene</i> , 2020, 39, 5553-5569.	5.9	20
18	Analysis of Indigo-type compounds in natural dyes by negative ion atmospheric pressure photoionization mass spectrometry. <i>Dyes and Pigments</i> , 2012, 92, 1192-1198.	3.7	19

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19	<i>In vivo</i> characterisation of a therapeutically relevant self-assembling ¹⁸ F-labelled β -sheet forming peptide and its hydrogel using positron emission tomography. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2017, 60, 481-488.	1.0	19
20	3D DESI-MS lipid imaging in a xenograft model of glioblastoma: a proof of principle. <i>Scientific Reports</i> , 2020, 10, 16512.	3.3	18
21	Development of a method for the preparation of zirconium-89 radiolabelled chitosan nanoparticles as an application for leukocyte trafficking with positron emission tomography. <i>Applied Radiation and Isotopes</i> , 2017, 130, 7-12.	1.5	17
22	Detection of apoptosis by PET/CT with the diethyl ester of [18F]ML-10 and fluorescence imaging with a dansyl analogue. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 341-349.	3.0	15
23	Multi-modal imaging of long-term recovery post-stroke by positron emission tomography and matrix-assisted laser desorption/ionisation mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 721-729.	1.5	15
24	β -glycoprotein overactivity in epileptogenic developmental lesions measured in vivo using (R)-[11C]verapamil PET. <i>Epilepsia</i> , 2020, 61, 1472-1480.	5.1	15
25	Atmospheric pressure photoionization mass spectrometry as a tool for the investigation of the hydrolysis reaction mechanisms of phosphite antioxidants. <i>International Journal of Mass Spectrometry</i> , 2008, 275, 45-54.	1.5	14
26	[18F]-FLT Positron Emission Tomography Can Be Used to Image the Response of Sensitive Tumors to PI3-Kinase Inhibition with the Novel Agent GDC-0941. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 819-828.	4.1	14
27	Radiosynthesis of no-carrier-added meta-[124I]iodobenzylguanidine for PET imaging of metastatic neuroblastoma. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 311, 727-732.	1.5	14
28	Molecular Imaging and Pharmacokinetic Analysis of Carbon-11 Labeled Antisense Oligonucleotide LY2181308 in Cancer Patients. <i>Theranostics</i> , 2011, 1, 290-301.	10.0	14
29	A Simplified Squalene Epoxidase Assay Based on an HPLC Separation and Time-Dependent UV/Visible Determination of Squalene. <i>Analytical Biochemistry</i> , 1997, 252, 19-23.	2.4	11
30	An intercomparison of non-radiometric methods for the measurement of low levels of radionuclides. <i>International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes</i> , 1992, 43, 289-303.	0.5	10
31	On-line monitoring of cyclotron target-gas output by means of a tunable lead salt diode laser absorption spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 2008, 93, 701-711.	2.2	10
32	An investigation of paint from a mural in the church of Sainte Madeleine, Manas, France. <i>Journal of Mass Spectrometry</i> , 2011, 46, 816-820.	1.6	9
33	The automated radiosynthesis and purification of the opioid receptor antagonist, [6- ¹¹ C]methyl- ¹¹ C-diprenorphine on the GE TRACERlab FX ₃ radiochemistry module. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2014, 57, 388-396.	1.0	9
34	Atomic Spectrometry Update—Atomic Mass Spectrometry and X-Ray Fluorescence Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1993, 8, 261R-310R.	3.0	8
35	Development & automation of a novel [18F]F prosthetic group, 2-[18F]-fluoro-3-pyridinecarboxaldehyde, and its application to an amino(oxy)-functionalised A β peptide. <i>Applied Radiation and Isotopes</i> , 2016, 116, 120-127.	1.5	8
36	N ₂ O: A case study for acceleration region kinetics in a double-focusing mass spectrometer with a conventional nier-type ion source. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1989, 87, 249-274.	1.8	6

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37	Atomic Spectrometry Update—Atomic Mass Spectrometry and X-Ray Fluorescence Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1994, 9, 267R-305R.	3.0	6
38	Atomic Spectrometry Update—Atomic Mass Spectrometry and X-Ray Fluorescence Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1995, 10, 253R-309R.	3.0	5
39	Correlated phase space distributions of ions in an orthogonal time-of-flight mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2006, 254, 20-27.	1.5	5
40	Unimolecular dissociation of ions in the acceleration region of a mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 1987, 1, 132-135.	1.5	4
41	Ion pair generation rates near planar ³ H and ⁶³ Ni electron capture detector foils. <i>Mikrochimica Acta</i> , 1987, 92, 91-98.	5.0	4
42	Investigation of a radioactive particle and a soil sample obtained from the Windscale area in 1956. <i>Analyst</i> , 1994, 119, 991.	3.5	4
43	Surface activity studies on carbon-silica dual phase fillers using flow microcalorimetry and multiple probe temperature programmed inverse gas chromatography. <i>Composite Interfaces</i> , 2005, 12, 201-220.	2.3	4
44	Monitoring Substratum Hygiene Using an Everyday Complex Organic Soil. <i>Food and Bioprocess Processing</i> , 2006, 84, 359-365.	3.6	4
45	Automation of [¹⁸ F]fluoroacetaldehyde synthesis: application to a recombinant human interleukin-1 receptor antagonist (rhIL-1RA). <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2016, 59, 277-283.	1.0	4
46	Analysis by electron oscillation in a conventional GC detector. <i>Mikrochimica Acta</i> , 1988, 96, 11-26.	5.0	3
47	Fragmentation reactions of the singly and doubly charged molecular ions of dimethylanisoles. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1988, 86, 303-318.	1.8	3
48	Atomic Spectrometry Update—Atomic Mass Spectrometry and X-ray Fluorescence Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1992, 7, 279R-327R.	3.0	3
49	Atomic Spectrometry Update—Atomic Mass Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1996, 11, 355R-393R.	3.0	3
50	Tertiary phosphine complexes of nickel(II) thiocyanate: an evaluation of the photostabilisation of polystyrene. <i>European Polymer Journal</i> , 2001, 37, 349-360.	5.4	3
51	Tariquidar inhibition of P-glycoprotein activity in patients with temporal lobe epilepsy measured with PET and (R)-[C-11]Verapamil. <i>NeuroImage</i> , 2010, 52, S148.	4.2	3
52	A reformulation of pLSA for uncertainty estimation and hypothesis testing in bio-imaging. <i>Bioinformatics</i> , 2020, 36, 4080-4087.	4.1	3
53	Electron-capture detector with positive response (increase in current). <i>Journal of Chromatography A</i> , 1987, 393, 221-235.	3.7	2
54	Ion-dipole complexes in the unimolecular reactions of isolated organic ions. Fragmentation of protonated and cationated formate and acetate esters. <i>Canadian Journal of Chemistry</i> , 1988, 66, 2403-2409.	1.1	2

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55	Characterisation of heterogeneous solid surfaces by multiple probe, temperature-programmed inverse gas chromatography (IGC). A feasibility study. <i>Analyst</i> , The, 2002, 127, 17-21.	3.5	2
56	Abstract 5654: Fully automated tissue classification by imaging mass spectrometry, moving towards a hundred samples a day. <i>Cancer Research</i> , 2018, 78, 5654-5654.	0.9	1
57	The use of restricted access solid phase extraction for [11C](R)-PK11195 radiometabolite measurements. <i>NeuroImage</i> , 2008, 41, T95.	4.2	0
58	A highly reproducible method for the measurement of [6- ³ H]-methyl- ¹¹ C]diprenorphine and its radio-metabolites based on solid-phase extraction and radio-high-pressure liquid chromatography. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2021, 64, 30-39.	1.0	0
59	Abstract 203: Automated, high throughput mass spectrometry imaging of serial sections for investigation of tumor heterogeneity in three dimensions. , 2017, , .		0
60	Abstract 4109: Multi-modality imaging to interrogate lipidome changes during melanoma progression in zebrafish. , 2018, , .		0
61	Abstract 4534: Label free molecular imaging of tumor sections for two and three dimensional tissue classification and pathway mapping. , 2019, , .		0