

Garth L Maker

List of Publications by Year in Descending Order

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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.

46
papers

1,127
citations

17
h-index

33
g-index

53
ext. papers

1,343
ext. citations

3.6
avg, IF

4.6
L-index

#	Paper	IF	Citations
46	Hybrid organic/inorganic hybrid surface technology for increasing the performance of LC/MS(MS)-based drug metabolite identification studies: Application to gefitinib and metabolites in mouse plasma and urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 200, 114076	3.5	3
45	Branched-chain amino acid supplementation improves cycling performance in untrained cyclists. <i>Journal of Science and Medicine in Sport</i> , 2021 , 24, 412-417	4.4	1
44	Microalgae: A potential sustainable commercial source of sterols. <i>Algal Research</i> , 2020 , 46, 101772	5	38
43	Peptide analysis of mammalian decomposition fluid in relation to the post-mortem interval. <i>Forensic Science International</i> , 2020 , 311, 110269	2.6	4
42	Combined Liquid Chromatography-mass Spectrometry and Next-generation DNA Sequencing Detection of Adulterants and Contaminants in Analgesic and Anti-inflammatory Herbal Medicines. <i>Pharmaceutical Medicine</i> , 2020 , 34, 49-61	2.3	4
41	A review of the biochemical products produced during mammalian decomposition with the purpose of determining the post-mortem interval. <i>Australian Journal of Forensic Sciences</i> , 2020 , 52, 477-488	1.1	2
40	Toxicological screening and DNA sequencing detects contamination and adulteration in regulated herbal medicines and supplements for diet, weight loss and cardiovascular health. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 176, 112834	3.5	16
39	Exploring the Application of the DSA-TOF, a Direct, High-resolution Time-of-Flight Mass Spectrometry Technique for the Screening of Potential Adulterated and Contaminated Herbal Medicines. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 1713-1719	3.5	6
38	Untargeted gas chromatography-mass spectrometry-based metabolomics analysis of kidney and liver tissue from the Lewis Polycystic Kidney rat. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019 , 1118-1119, 25-32	3.2	5
37	Development of a rapid profiling method for the analysis of polar analytes in urine using HILIC-MS and ion mobility enabled HILIC-MS. <i>Metabolomics</i> , 2019 , 15, 17	4.7	37
36	Examination of the temporal variation of peptide content in decomposition fluid under controlled conditions using pigs as human substitutes. <i>Forensic Science International</i> , 2019 , 298, 161-168	2.6	5
35	Metabolomics Approaches for the Diagnosis and Understanding of Kidney Diseases. <i>Metabolites</i> , 2019 , 9,	5.6	37
34	Sample Preparation and Reporting Standards for Metabolomics of Adherent Mammalian Cells. <i>Methods in Molecular Biology</i> , 2019 , 1978, 3-12	1.4	4
33	The impact of environmental factors on the production of peptides in mammalian decomposition fluid in relation to the estimation of post-mortem interval: A summer/winter comparison in Western Australia. <i>Forensic Science International</i> , 2019 , 303, 109957	2.6	1
32	Characterizing the plasma metabolome during 14 days of live-high, train-low simulated altitude: A metabolomic approach. <i>Experimental Physiology</i> , 2019 , 104, 81-92	2.4	7
31	Characterizing the plasma metabolome during and following a maximal exercise cycling test. <i>Journal of Applied Physiology</i> , 2018 ,	3.7	13
30	Untargeted Metabolomic Analysis of Rat Neuroblastoma Cells as a Model System to Study the Biochemical Effects of the Acute Administration of Methamphetamine. <i>Metabolites</i> , 2018 , 8,	5.6	4

29	Repetitive low intensity magnetic field stimulation in a neuronal cell line: a metabolomics study. <i>PeerJ</i> , 2018 , 6, e4501	3.1	5
28	Adulterants and Contaminants in Psychotropic Herbal Medicines Detected with Mass Spectrometry and Next-Generation DNA Sequencing. <i>Pharmaceutical Medicine</i> , 2018 , 32, 429-444	2.3	10
27	What risks do herbal products pose to the Australian community?. <i>Medical Journal of Australia</i> , 2017 , 207, 134	4	2
26	What risks do herbal products pose to the Australian community?. <i>Medical Journal of Australia</i> , 2017 , 206, 86-90	4	37
25	Untargeted metabolomics of neuronal cell culture: A model system for the toxicity testing of insecticide chemical exposure. <i>Journal of Applied Toxicology</i> , 2017 , 37, 1481-1492	4.1	10
24	Experimental design and reporting standards for metabolomics studies of mammalian cell lines. <i>Cellular and Molecular Life Sciences</i> , 2017 , 74, 4421-4441	10.3	34
23	The potential of metabolomic analysis techniques for the characterisation of β -adrenergic receptors in cultured N1E-115 mouse neuroblastoma cells. <i>Cytotechnology</i> , 2016 , 68, 1561-75	2.2	3
22	The application of metabolomics for herbal medicine pharmacovigilance: a case study on ginseng. <i>Essays in Biochemistry</i> , 2016 , 60, 429-435	7.6	2
21	Topical prazosin attenuates sensitivity to tactile stimuli in patients with complex regional pain syndrome. <i>European Journal of Pain</i> , 2016 , 20, 926-35	3.7	14
20	Assessment of automated trimethylsilyl derivatization protocols for GCMS-based untargeted metabolomic analysis of urine. <i>Metabolomics</i> , 2015 , 11, 1908-1921	4.7	23
19	The bioavailability of medetomidine in eight sheep following oesophageal administration. <i>Research in Veterinary Science</i> , 2015 , 103, 137-42	2.5	
18	Curcumin and major depression: a randomised, double-blind, placebo-controlled trial investigating the potential of peripheral biomarkers to predict treatment response and antidepressant mechanisms of change. <i>European Neuropsychopharmacology</i> , 2015 , 25, 38-50	1.2	55
17	Combined DNA, toxicological and heavy metal analyses provides an auditing toolkit to improve pharmacovigilance of traditional Chinese medicine (TCM). <i>Scientific Reports</i> , 2015 , 5, 17475	4.9	67
16	Gas chromatography-mass spectrometry-based metabolite profiling of <i>Salmonella enterica</i> serovar Typhimurium differentiates between biofilm and planktonic phenotypes. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 2660-6	4.8	15
15	A review of peripheral biomarkers in major depression: the potential of inflammatory and oxidative stress biomarkers. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014 , 48, 102-11	5.5	234
14	Curcumin for the treatment of major depression: a randomised, double-blind, placebo controlled study. <i>Journal of Affective Disorders</i> , 2014 , 167, 368-75	6.6	123
13	Role of neuregulin-1 in dexamethasone-enhanced surfactant synthesis in fetal type II cells. <i>FEBS Letters</i> , 2014 , 588, 975-80	3.8	5
12	Influence of glucocorticoids, neuregulin-1 and sex on surfactant phospholipid secretion from type II cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014 , 306, L292-8	5.8	6

11	Pharmacokinetics and safety of deferasirox in subjects with chronic kidney disease undergoing haemodialysis. <i>Nephrology</i> , 2013 , 18, 188-93	2.2	11
10	<i>Burkholderia sprentiae</i> sp. nov., isolated from <i>Lebeckia ambigua</i> root nodules. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013 , 63, 3950-3957	2.2	57
9	Intraperitoneal medetomidine: a novel analgesic strategy for postoperative pain management in pregnant sheep. <i>Laboratory Animals</i> , 2013 , 47, 66-70	2.6	12
8	Metabolomic profiling of faecal extracts from <i>Cryptosporidium parvum</i> infection in experimental mouse models. <i>PLoS ONE</i> , 2013 , 8, e77803	3.7	18
7	Transplacental transfer of medetomidine and ketamine in pregnant ewes. <i>Laboratory Animals</i> , 2012 , 46, 46-50	2.6	15
6	Development of an untargeted metabolomics method for the analysis of human faecal samples using <i>Cryptosporidium</i> -infected samples. <i>Molecular and Biochemical Parasitology</i> , 2012 , 185, 145-50	1.9	56
5	Development of a non-targeted metabolomics method to investigate urine in a rat model of polycystic kidney disease. <i>Nephrology</i> , 2012 , 17, 104-10	2.2	18
4	Liquid chromatography tandem mass spectrometry for the simultaneous quantitative analysis of ketamine and medetomidine in ovine plasma. <i>Biomedical Chromatography</i> , 2011 , 25, 1374-80	1.7	6
3	Comparative susceptibility of <i>Salmonella</i> Typhimurium biofilms of different ages to disinfectants. <i>Biofouling</i> , 2010 , 26, 859-64	3.3	33
2	Metabolite profiling identifies the mycotoxin alternariol in the pathogen <i>Stagonospora nodorum</i> . <i>Metabolomics</i> , 2009 , 5, 330-335	4.7	42
1	Uric acid deposits in symbiotic marine algae. <i>Plant, Cell and Environment</i> , 2009 , 32, 170-7	8.4	26