

Garth L Maker

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,513
citations

393982

19
h-index

315357

38
g-index

53
all docs

53
docs citations

53
times ranked

2890
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 102-111.	2.5	276
2	Curcumin for the treatment of major depression: A randomised, double-blind, placebo controlled study. <i>Journal of Affective Disorders</i> , 2014, 167, 368-375.	2.0	146
3	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.	1.6	99
4	Microalgae: A potential sustainable commercial source of sterols. <i>Algal Research</i> , 2020, 46, 101772.	2.4	79
5	<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.	0.8	75
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, 145-150.	0.5	73
7	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.	0.3	68
8	Metabolomics Approaches for the Diagnosis and Understanding of Kidney Diseases. <i>Metabolites</i> , 2019, 9, 34.	1.3	60
9	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.	1.4	57
10	What risks do herbal products pose to the Australian community?. <i>Medical Journal of Australia</i> , 2017, 206, 86-90.	0.8	51
11	Metabolite profiling identifies the mycotoxin alternariol in the pathogen <i>Stagonospora nodorum</i> . <i>Metabolomics</i> , 2009, 5, 330-335.	1.4	48
12	Experimental design and reporting standards for metabolomics studies of mammalian cell lines. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 4421-4441.	2.4	41
13	Comparative susceptibility of <i>Salmonella</i> Typhimurium biofilms of different ages to disinfectants. <i>Biofouling</i> , 2010, 26, 859-864.	0.8	39
14	Uric acid deposits in symbiotic marine algae. <i>Plant, Cell and Environment</i> , 2009, 32, 170-177.	2.8	32
15	Assessment of automated trimethylsilyl derivatization protocols for GC-MS-based untargeted metabolomic analysis of urine. <i>Metabolomics</i> , 2015, 11, 1908-1921.	1.4	31
16	Metabolomic Profiling of Faecal Extracts from <i>Cryptosporidium parvum</i> Infection in Experimental Mouse Models. <i>PLoS ONE</i> , 2013, 8, e77803.	1.1	24
17	Topical prazosin attenuates sensitivity to tactile stimuli in patients with complex regional pain syndrome. <i>European Journal of Pain</i> , 2016, 20, 926-935.	1.4	23
18	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, 2660-2666.	1.4	22

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19	Characterizing the plasma metabolome during and following a maximal exercise cycling test. <i>Journal of Applied Physiology</i> , 2018, 125, 1193-1203.	1.2	22
20	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.	1.4	22
21	Development of a non-targeted metabolomics method to investigate urine in a rat model of polycystic kidney disease. <i>Nephrology</i> , 2012, 17, 104-110.	0.7	19
22	Transplacental transfer of medetomidine and ketamine in pregnant ewes. <i>Laboratory Animals</i> , 2012, 46, 46-50.	0.5	17
23	Intraperitoneal medetomidine: A novel analgesic strategy for postoperative pain management in pregnant sheep. <i>Laboratory Animals</i> , 2013, 47, 66-70.	0.5	15
24	Pharmacokinetics and safety of deferasirox in subjects with chronic kidney disease undergoing haemodialysis. <i>Nephrology</i> , 2013, 18, 188-193.	0.7	14
25	Adulterants and Contaminants in Psychotropic Herbal Medicines Detected with Mass Spectrometry and Next-Generation DNA Sequencing. <i>Pharmaceutical Medicine</i> , 2018, 32, 429-444.	1.0	13
26	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.	0.9	11
27	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.	1.4	10
28	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.	1.2	10
29	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.	1.3	9
30	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.	1.2	8
31	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.	1.0	8
32	Peptide analysis of mammalian decomposition fluid in relation to the post-mortem interval. <i>Forensic Science International</i> , 2020, 311, 110269.	1.3	8
33	Liquid chromatography tandem mass spectrometry for the simultaneous quantitative analysis of ketamine and medetomidine in ovine plasma. <i>Biomedical Chromatography</i> , 2011, 25, 1374-1380.	0.8	7
34	Influence of glucocorticoids, neuregulin-1 ² , and sex on surfactant phospholipid secretion from type II cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 306, L292-L298.	1.3	6
35	The application of metabolomics for herbal medicine pharmacovigilance: a case study on ginseng. <i>Essays in Biochemistry</i> , 2016, 60, 429-435.	2.1	6
36	Branched-chain amino acid supplementation improves cycling performance in untrained cyclists. <i>Journal of Science and Medicine in Sport</i> , 2021, 24, 412-417.	0.6	6

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37	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.	1.4	6
38	Repetitive low intensity magnetic field stimulation in a neuronal cell line: a metabolomics study. <i>PeerJ</i> , 2018, 6, e4501.	0.9	6
39	Ozone Treatment Increases the Release of VOC from Barley, Which Modifies Seed Germination. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3127-3135.	2.4	6
40	The Effect of Ozone Treatment on Metabolite Profile of Germinating Barley. <i>Foods</i> , 2022, 11, 1211.	1.9	6
41	Role of neuregulin-1 in dexamethasone-enhanced surfactant synthesis in fetal type II cells. <i>FEBS Letters</i> , 2014, 588, 975-980.	1.3	5
42	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, 38.	1.3	5
43	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.	0.7	5
44	Ozone Efficiency on Two Coleopteran Insect Pests and Its Effect on Quality and Germination of Barley. <i>Insects</i> , 2022, 13, 318.	1.0	5
45	Sample Preparation and Reporting Standards for Metabolomics of Adherent Mammalian Cells. <i>Methods in Molecular Biology</i> , 2019, 1978, 3-12.	0.4	4
46	The potential of metabolomic analysis techniques for the characterisation of β -1-adrenergic receptors in cultured N1E-115 mouse neuroblastoma cells. <i>Cytotechnology</i> , 2016, 68, 1561-1575.	0.7	3
47	The Influence of Blood Removal on Pacing During a 4-Minute Cycling Time Trial. <i>International Journal of Sports Physiology and Performance</i> , 2017, 12, 1085-1092.	1.1	2
48	What risks do herbal products pose to the Australian community?. <i>Medical Journal of Australia</i> , 2017, 207, 134-134.	0.8	2
49	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.	1.3	2
50	The bioavailability of medetomidine in eight sheep following oesophageal administration. <i>Research in Veterinary Science</i> , 2015, 103, 137-142.	0.9	1
51	Effects of Branched-Chain Amino Acids Supplementation on Prolonged Cycling Performance and Neuromuscular Fatigue. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 976.	0.2	0