

Michael W Clarke

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

1,798
citations

304743

22
h-index

302126

39
g-index

76
all docs

76
docs citations

76
times ranked

2973
citing authors

#	ARTICLE	IF	CITATIONS
1	Blobology: exploring raw genome data for contaminants, symbionts and parasites using taxon-annotated GC-coverage plots. <i>Frontiers in Genetics</i> , 2013, 4, 237.	2.3	258
2	Vitamin E in Human Health and Disease. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2008, 45, 417-450.	6.1	156
3	The effect of vitamin E on blood pressure in individuals with type 2 diabetes: a randomized, double-blind, placebo-controlled trial. <i>Journal of Hypertension</i> , 2007, 25, 227-234.	0.5	117
4	Optimized 25-hydroxyvitamin D analysis using liquidâ€“liquid extraction with 2D separation with LC/MS/MS detection, provides superior precision compared to conventional assays. <i>Metabolomics</i> , 2013, 9, 1031-1040.	3.0	74
5	Monitoring of intraâ€“operative nociception: skin conductance and surgical stress index versus stress hormone plasma levels. <i>Anaesthesia</i> , 2010, 65, 1001-1006.	3.8	64
6	Analytical Bias in the Measurement of Serum 25-Hydroxyvitamin D Concentrations Impairs Assessment of Vitamin D Status in Clinical and Research Settings. <i>PLoS ONE</i> , 2015, 10, e0135478.	2.5	52
7	Vitamin D insufficiency in the first 6 months of infancy and challengeâ€“proven IgEâ€“mediated food allergy at 1 year of age: a caseâ€“cohort study. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017, 72, 1222-1231.	5.7	51
8	Growth temperature and genotype both play important roles in sorghum grain phenolic composition. <i>Scientific Reports</i> , 2016, 6, 21835.	3.3	49
9	General Steps to Standardize the Laboratory Measurement of Serum Total 25-Hydroxyvitamin D. <i>Journal of AOAC INTERNATIONAL</i> , 2017, 100, 1230-1233.	1.5	45
10	Caffeine use in a Super Rugby game and its relationship to postâ€“game sleep. <i>European Journal of Sport Science</i> , 2018, 18, 513-523.	2.7	42
11	Pregnancy-induced adaptations of the central circadian clock and maternal glucocorticoids. <i>Journal of Endocrinology</i> , 2016, 228, 135-147.	2.6	40
12	The efficacy of antenatal steroid therapy is dependent on the duration of low-concentration fetal exposure: evidence from a sheep model of pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 2018, 219, 301.e1-301.e16.	1.3	40
13	Supplementation with mixed tocopherols increases serum and blood cell Î³-tocopherol but does not alter biomarkers of platelet activation in subjects with type 2 diabetes. <i>American Journal of Clinical Nutrition</i> , 2006, 83, 95-102.	4.7	37
14	Simultaneous quantification of dopamine, serotonin, their metabolites and amino acids by LC-MS/MS in mouse brain following repetitive transcranial magnetic stimulation. <i>Neurochemistry International</i> , 2019, 131, 104546.	3.8	36
15	Vitamin D is crucial for maternal care and offspring social behaviour in rats. <i>Journal of Endocrinology</i> , 2018, 237, 73-85.	2.6	35
16	Time spent outdoors in childhood is associated with reduced risk of myopia as an adult. <i>Scientific Reports</i> , 2021, 11, 6337.	3.3	34
17	Inhibition of 20-Hydroxyeicosatetraenoic Acid Synthesis Using Specific Plant Lignans. <i>Hypertension</i> , 2009, 54, 1151-1158.	2.7	33
18	Assessment of Tocopherol Metabolism and Oxidative Stress in Familial Hypobetalipoproteinemia. <i>Clinical Chemistry</i> , 2006, 52, 1339-1345.	3.2	31

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19	Maternofetal pharmacokinetics and fetal lung responses in chronically catheterized sheep receiving constant, low-dose infusions of betamethasone phosphate. <i>American Journal of Obstetrics and Gynecology</i> , 2016, 215, 775.e1-775.e12.	1.3	31
20	Surfactant plus budesonide decreases lung and systemic inflammation in mechanically ventilated preterm sheep. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 316, L888-L893.	2.9	31
21	Phenolic profile and content of sorghum grains under different irrigation managements. <i>Food Research International</i> , 2017, 97, 347-355.	6.2	27
22	Individual polyphenolic profiles and antioxidant activity in sorghum grains are influenced by very low and high solar UV radiation and genotype. <i>Journal of Cereal Science</i> , 2017, 77, 17-23.	3.7	25
23	Can changes in resistance exercise workload influence internal load, countermovement jump performance and the endocrine response?. <i>Journal of Sports Sciences</i> , 2018, 36, 191-197.	2.0	22
24	Food matrix and co-presence of turmeric compounds influence bioavailability of curcumin in healthy humans. <i>Food and Function</i> , 2019, 10, 4584-4592.	4.6	22
25	Characterization of polyphenols in Australian sweet lupin (<i>Lupinus angustifolius</i>) seed coat by HPLC-DAD-ESI-MS/MS. <i>Food Research International</i> , 2019, 116, 1153-1162.	6.2	22
26	Maternal Intravenous Administration of Azithromycin Results in Significant Fetal Uptake in a Sheep Model of Second Trimester Pregnancy. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 6581-6591.	3.2	21
27	The prevalence and determinants of vitamin D deficiency in Indonesian infants at birth and six months of age. <i>PLoS ONE</i> , 2020, 15, e0239603.	2.5	21
28	Surfactant plus budesonide decreases lung and systemic responses to injurious ventilation in preterm sheep. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L41-L48.	2.9	19
29	Evening electronic device use: The effects on alertness, sleep and next-day physical performance in athletes. <i>Journal of Sports Sciences</i> , 2018, 36, 162-170.	2.0	18
30	Spectral Tuning in the Eyes of Deep-Sea Lanternfishes (Myctophidae): A Novel Sexually Dimorphic Intra-Ocular Filter. <i>Brain, Behavior and Evolution</i> , 2015, 85, 77-93.	1.7	17
31	The incidence of acute respiratory infection in Indonesian infants and association with vitamin D deficiency. <i>PLoS ONE</i> , 2021, 16, e0248722.	2.5	17
32	Evolution of mammalian longevity: age-related increase in autophagy in bats compared to other mammals. <i>Aging</i> , 2021, 13, 7998-8025.	3.1	16
33	Predicting deseasonalised serum 25 hydroxy vitamin D concentrations in the D-Health Trial: An analysis using boosted regression trees. <i>Contemporary Clinical Trials</i> , 2021, 104, 106347.	1.8	16
34	Oral antenatal corticosteroids evaluated in fetal sheep. <i>Pediatric Research</i> , 2019, 86, 589-594.	2.3	15
35	Interlaboratory comparison of 25-hydroxyvitamin D assays: Vitamin D Standardization Program (VDSP) Intercomparison Study 2 – Part 1 liquid chromatography – tandem mass spectrometry (LC-MS/MS) assays – impact of 3-epi-25-hydroxyvitamin D3 on assay performance. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 333-349.	3.7	15
36	Vitamin E Supplementation and Hepatic Drug Metabolism in Humans. <i>Journal of Cardiovascular Pharmacology</i> , 2009, 54, 491-496.	1.9	14

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37	Vitamins D and A can be successfully measured by LC-MS/MS in cord blood diluted plasma. <i>Clinical Biochemistry</i> , 2015, 48, 1105-1112.	1.9	14
38	Vitamin D C3-epimer levels are proportionally higher with oral vitamin D supplementation compared to ultraviolet irradiation of skin in mice but not humans. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 186, 110-116.	2.5	14
39	Oral dosing for antenatal corticosteroids in the Rhesus macaque. <i>PLoS ONE</i> , 2019, 14, e0222817.	2.5	13
40	Politics of disease control in Africa and the critical role of global health diplomacy: A systematic review. <i>Health Promotion Perspectives</i> , 2021, 11, 20-31.	1.9	13
41	Assessment of serum total 25-hydroxyvitamin D assay commutability of Standard Reference Materials and College of American Pathologists Accuracy-Based Vitamin D (ABVD) Scheme and Vitamin D External Quality Assessment Scheme (DEQAS) materials: Vitamin D Standardization Program (VDSP) Commutability Study 2. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5067-5084.	3.7	13
42	The challenges of developing and optimising an assay to measure 25-hydroxyvitamin D in saliva. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 194, 105437.	2.5	12
43	Variability in the efficacy of a standardized antenatal steroid treatment was independent of maternal or fetal plasma drug levels: evidence from a sheep model of pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 223, 921.e1-921.e10.	1.3	12
44	Dose of budesonide with surfactant affects lung and systemic inflammation after normal and injurious ventilation in preterm lambs. <i>Pediatric Research</i> , 2020, 88, 726-732.	2.3	12
45	Obesity Disrupts the Rhythmic Profiles of Maternal and Fetal Progesterone in Rat Pregnancy. <i>Biology of Reproduction</i> , 2016, 95, 55-55.	2.7	10
46	Vitamin D deficiency and severity of pneumonia in Indonesian children. <i>PLoS ONE</i> , 2021, 16, e0254488.	2.5	10
47	Vitamin D deficiency promotes large rupture-prone abdominal aortic aneurysms and cholecalciferol supplementation limits progression of aneurysms in a mouse model. <i>Clinical Science</i> , 2020, 134, 2521-2534.	4.3	10
48	Nitration of α -tocopherol prevents its oxidative metabolism by HepG2 cells. <i>Free Radical Biology and Medicine</i> , 2005, 39, 483-494.	2.9	9
49	Volatile-Sulfur-Compound Profile Distinguishes <i>Burkholderia pseudomallei</i> from <i>Burkholderia thailandensis</i> . <i>Journal of Clinical Microbiology</i> , 2015, 53, 1009-1011.	3.9	9
50	High-Dose Intramuscular Vitamin D Provides Long-Lasting Moderate Increases in Serum 25-Hydroxyvitamin D Levels and Shorter-Term Changes in Plasma Calcium. <i>Journal of AOAC INTERNATIONAL</i> , 2017, 100, 1337-1344.	1.5	9
51	The Pharmacokinetics of Medetomidine Administered Subcutaneously during Isoflurane Anaesthesia in Sprague-Dawley Rats. <i>Animals</i> , 2020, 10, 1050.	2.3	9
52	Maternal and Cord Blood 25-Hydroxyvitamin D3 Are Associated with Increased Cord Blood and Naive and Activated Regulatory T Cells: The Barwon Infant Study. <i>Journal of Immunology</i> , 2021, 206, 874-882.	0.8	8
53	Assessment of serum total 25-hydroxyvitamin D assays for Vitamin D External Quality Assessment Scheme (DEQAS) materials distributed at ambient and frozen conditions. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 1015-1028.	3.7	8
54	No relationship between autistic traits and salivary testosterone concentrations in men from the general population. <i>PLoS ONE</i> , 2018, 13, e0198779.	2.5	7

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55	Improved plasma free metadrenaline analysis requires mixed mode cation exchange solid-phase extraction prior to liquid chromatography tandem mass spectrometry detection. <i>Annals of Clinical Biochemistry</i> , 2011, 48, 352-357.	1.6	6
56	Effect of solar ultraviolet radiation exposure on serum 25(OH)D concentration: a pilot randomised controlled trial. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 570-577.	2.9	6
57	The Impact of Sample Type on Vitamin D Quantification and Clinical Classification during Pregnancy. <i>Nutrients</i> , 2020, 12, 3872.	4.1	6
58	Maternal, Placental, and Fetal Responses to Intermittent Heat Exposure During Late Gestation in Mice. <i>Reproductive Sciences</i> , 2021, 28, 416-425.	2.5	5
59	Identification and Quantification of Dityrosine in Grain Proteins by Isotope Dilution Liquid Chromatography-Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2017, 10, 3321-3328.	2.6	3
60	Vitamin D metabolites are lower with active Crohn's disease and spontaneously recover with development of remission. <i>Therapeutic Advances in Gastroenterology</i> , 2019, 12, 175628481986514.	3.2	3
61	One percent of the clinical dose used for antenatal steroid therapy is sufficient to induce lung maturation when administered directly to the preterm ovine fetus. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, 322, L853-L865.	2.9	3
62	An external quality assurance trial to assess mass spectrometry protein testing facilities for identifying multiple human peptides. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6575-6581.	3.7	2
63	Saliva for Assessing Vitamin A Status in Extremely Preterm Infants: A Diagnostic Study. <i>Neonatology</i> , 2020, 117, 365-368.	2.0	2
64	The effect of antecedent exercise on the acute stress response and subsequent food consumption: a preliminary investigation. <i>Physiology and Behavior</i> , 2021, 229, 113256.	2.1	2
65	Analytical Bias in the Measurement of Plasma 25-Hydroxyvitamin D Concentrations in Infants. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 412.	2.6	2
66	Vitamin D metabolites and risk of first clinical diagnosis of central nervous system demyelination. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2022, 218, 106060.	2.5	2
67	Maternal vitamin D deficiency during rat gestation elicits a milder phenotype compared to the mouse model: Implications for the placental glucocorticoid barrier. <i>Placenta</i> , 2019, 83, 5-7.	1.5	1
68	Extreme hyperalphalipoproteinaemia in a patient with a solitary paraspinal lipoma. <i>Annals of Clinical Biochemistry</i> , 2010, 47, 90-93.	1.6	0
69	Title is missing!. , 2020, 15, e0239603.		0
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73	Title is missing!. , 2020, 15, e0239603.		0
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