

Russell Frew

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

2,098
citations

933447

10
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

2444
citing authors

#	ARTICLE	IF	CITATIONS
1	A mesoscale phytoplankton bloom in the polar Southern Ocean stimulated by iron fertilization. <i>Nature</i> , 2000, 407, 695-702.	27.8	1,417
2	Role of iron, light, and silicate in controlling algal biomass in subantarctic waters SE of New Zealand. <i>Journal of Geophysical Research</i> , 1999, 104, 13395-13408.	3.3	265
3	Lipidomics profiling of goat milk, soymilk and bovine milk by UPLC-Q-Exactive Orbitrap Mass Spectrometry. <i>Food Chemistry</i> , 2017, 224, 302-309.	8.2	119
4	Macronutrient and trace-metal geochemistry of an in situ iron-induced Southern Ocean bloom. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 2467-2481.	1.4	68
5	The application of ¹ H-NMR based milk metabolite analysis in milk authenticity identification. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 2875-2882.	3.5	47
6	Isotopes and Trace Elements as Natal Origin Markers of <i>Helicoverpa armigera</i> – An Experimental Model for Biosecurity Pests. <i>PLoS ONE</i> , 2014, 9, e92384.	2.5	35
7	Milk biomarkers in relation to inherent and external factors based on metabolomics. <i>Trends in Food Science and Technology</i> , 2021, 109, 51-64.	15.1	27
8	Effects of the vat pasteurization process and refrigerated storage on the bovine milk metabolome. <i>Journal of Dairy Science</i> , 2020, 103, 2077-2088.	3.4	22
9	Influence of feed and water on the stable isotopic composition of dairy milk. <i>International Dairy Journal</i> , 2015, 47, 37-45.	3.0	20
10	Impact of freeze-drying and subsequent storage on milk metabolites based on ¹ H NMR and UHPLC-QToF/MS. <i>Food Control</i> , 2020, 116, 107017.	5.5	20
11	Seismic Characterization of Oceanic Water Masses, Water Mass Boundaries, and Mesoscale Eddies SE of New Zealand. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1519-1532.	2.6	10
12	Optimization of nuclear magnetic resonance and gas chromatography-mass spectrometry-based fingerprinting methods to characterize goat milk powder. <i>Journal of Dairy Science</i> , 2021, 104, 102-111.	3.4	9
13	The Geographic Origin of an Intercepted Biosecurity Pest Beetle Assigned Using Hydrogen Stable Isotopes. <i>Journal of Economic Entomology</i> , 2015, 108, 834-837.	1.8	8
14	Stable Isotope and Element Profiling for Determining the Agroclimatic Origin of Cow Milk within a Tropical Country. <i>Foods</i> , 2022, 11, 275.	4.3	8
15	Feasibility of Casein to Record Stable Isotopic Variation of Cow Milk in New Zealand. <i>Molecules</i> , 2020, 25, 3658.	3.8	7
16	Changes in milk metabolome during the lactation of dairy cows based on ¹ H NMR and UHPLC-QToF/MS. <i>International Dairy Journal</i> , 2020, 111, 104836.	3.0	6
17	A ² H Isoscape of blackberry as an example application for determining the geographic origins of plant materials in New Zealand. <i>PLoS ONE</i> , 2019, 14, e0226152.	2.5	5
18	Natal origin of the invasive biosecurity pest, brown marmorated stink bug (<i>Halyomorpha halys</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Science, 2020, 76, 1456-1463.	3.4	4

#	ARTICLE	IF	CITATIONS
19	Milk Powder Extraction: Optimization of Conditions for the Water-Soluble Metabolites by Proton Nuclear Magnetic Resonance (¹ H-NMR). Analytical Letters, 2022, 55, 1-10.	1.8	1