

Karyne M. Rogers

List of Publications by Year in descending order

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94
papers

2,887
citations

159585

30
h-index

197818

49
g-index

94
all docs

94
docs citations

94
times ranked

2946
citing authors

#	ARTICLE	IF	CITATIONS
1	Global dinoflagellate event associated with the late Paleocene thermal maximum. <i>Geology</i> , 2001, 29, 315.	4.4	256
2	The Apectodinium acme and terrestrial discharge during the Paleocene–Eocene thermal maximum: new palynological, geochemical and calcareous nannoplankton observations at Tawanui, New Zealand. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003, 194, 387-403.	2.3	150
3	Fast and global authenticity screening of honey using 1H-NMR profiling. <i>Food Chemistry</i> , 2015, 189, 60-66.	8.2	113
4	Recent developments in application of stable isotope analysis on agro-product authenticity and traceability. <i>Food Chemistry</i> , 2014, 145, 300-305.	8.2	109
5	Untargeted and Targeted Discrimination of Honey Collected by <i>Apis cerana</i> and <i>Apis mellifera</i> Based on Volatiles Using HS-GC-IMS and HS-SPME-GC-MS. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12144-12152.	5.2	94
6	Stable carbon and nitrogen isotope signatures indicate recovery of marine biota from sewage pollution at Moa Point, New Zealand. <i>Marine Pollution Bulletin</i> , 2003, 46, 821-827.	5.0	91
7	Nitrogen Isotopes as a Screening Tool To Determine the Growing Regimen of Some Organic and Nonorganic Supermarket Produce from New Zealand. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 4078-4083.	5.2	82
8	Tracing the Geographic Origin of Beef in China on the Basis of the Combination of Stable Isotopes and Multielement Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 7055-7060.	5.2	75
9	Verification of imported red wine origin into China using multi isotope and elemental analyses. <i>Food Chemistry</i> , 2019, 301, 125137.	8.2	67
10	Predictive geographical authentication of green tea with protected designation of origin using a random forest model. <i>Food Control</i> , 2020, 107, 106807.	5.5	61
11	Assuring food safety and traceability of polished rice from different production regions in China and Southeast Asia using chemometric models. <i>Food Control</i> , 2019, 99, 1-10.	5.5	59
12	Authentication of organic and conventional eggs by carotenoid profiling. <i>Food Chemistry</i> , 2011, 126, 1299-1305.	8.2	56
13	Storm frequency and magnitude in response to Holocene climate variability, Lake Tutira, North-Eastern New Zealand. <i>Marine Geology</i> , 2010, 270, 30-44.	2.1	55
14	Stable Isotopes as a Tool To Differentiate Eggs Laid by Caged, Barn, Free Range, and Organic Hens. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 4236-4242.	5.2	53
15	Geographical traceability of Chinese green tea using stable isotope and multi-element chemometrics. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 778-788.	1.5	53
16	Magnesium and strontium compositions of recent symbiont-bearing benthic foraminifera. <i>Marine Micropaleontology</i> , 2005, 58, 31-44.	1.2	49
17	Effects of acidification on carbon and nitrogen stable isotopes of benthic macrofauna from a tropical coral reef. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 2955-2960.	1.5	49
18	Palynofacies, organic geochemistry and depositional environment of the Tartan Formation (Late Tertiary) in the Taranaki region, New Zealand. <i>Geology</i> , 2010, 27, 351-369.	3.3	49

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19	Tracing the geographical origin of rice by stable isotopic analyses combined with chemometrics. Food Chemistry, 2020, 313, 126093.	8.2	45
20	Paleoenvironmental changes across the Cretaceous/Tertiary boundary at Flaxbourne River and Woodside Creek, eastern Marlborough, New Zealand. New Zealand Journal of Geology, and Geophysics, 2003, 46, 177-197.	1.8	42
21	Temporal molecular and isotopic analysis of active bacterial communities in two New Zealand sponges. FEMS Microbiology Ecology, 2013, 85, 195-205.	2.7	41
22	Combination of ¹ H NMR and chemometrics to discriminate manuka honey from other floral honey types from Oceania. Food Chemistry, 2017, 217, 766-772.	8.2	41
23	Geographical origin of Chinese wolfberry (goji) determined by carbon isotope analysis of specific volatile compounds. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1105, 104-112.	2.3	39
24	Detection of petroleum contamination in river sediments from Quebec City region using GC-IRMS. Organic Geochemistry, 1999, 30, 1559-1569.	1.8	36
25	Effects of sewage contamination on macroalgae and shellfish at Moa point, New Zealand using stable carbon and nitrogen isotopes. New Zealand Journal of Marine and Freshwater Research, 1999, 33, 181-188.	2.0	36
26	Holocene sedimentary record from Lake Tutira: A template for upland watershed erosion proximal to the Waipaoa Sedimentary System, northeastern New Zealand. Marine Geology, 2010, 270, 11-29.	2.1	36
27	A geochemical appraisal of oil seeps from the East Coast Basin, New Zealand. Organic Geochemistry, 1999, 30, 593-605.	1.8	35
28	Differentiating Organically Farmed Rice from Conventional and Green Rice Harvested from an Experimental Field Trial Using Stable Isotopes and Multi-Element Chemometrics. Journal of Agricultural and Food Chemistry, 2018, 66, 2607-2615.	5.2	35
29	The regional geochemical baseline soil survey of southern New Zealand: Design and initial interpretation. Journal of Geochemical Exploration, 2016, 167, 70-82.	3.2	34
30	Authentication of organic pork and identification of geographical origins of pork in four regions of China by combined analysis of stable isotopes and multi-elements. Meat Science, 2020, 165, 108129.	5.5	34
31	Long-Term Agricultural Effects on the Authentication Accuracy of Organic, Green, and Conventional Rice Using Isotopic and Elemental Chemometric Analyses. Journal of Agricultural and Food Chemistry, 2020, 68, 1213-1225.	5.2	33
32	Organic carbon in floodplain alluvium: Signature of historic variations in erosion processes associated with deforestation, Waipaoa River basin, New Zealand. Journal of Geophysical Research, 2004, 109, .	3.3	31
33	Origin verification of French red wines using isotope and elemental analyses coupled with chemometrics. Food Chemistry, 2021, 339, 127760.	8.2	30
34	Feeding ecology and ontogenetic dietary shift of yellowstripe goatfish <i>Mulloidichthys flavolineatus</i> (Mullidae) at Reunion Island, SW Indian Ocean. Marine Ecology - Progress Series, 2009, 386, 181-195.	1.9	30
35	Multiple indicators reveal river plume influence on sediments and benthos in a New Zealand coastal embayment. New Zealand Journal of Marine and Freshwater Research, 2007, 41, 13-24.	2.0	29
36	Variable composition of particle-bound organic carbon in steepland river systems. Journal of Geophysical Research, 2010, 115, .	3.3	29

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37	A case of milk traceability in small-scale districts-Inner Mongolia of China by nutritional and geographical parameters. Food Chemistry, 2020, 316, 126332.	8.2	28
38	Application of multi-element (C, N, H, O) stable isotope ratio analysis for the traceability of milk samples from China. Food Chemistry, 2020, 310, 125826.	8.2	27
39	Detection of adulteration in Chinese monofloral honey using ^1H nuclear magnetic resonance and chemometrics. Journal of Food Composition and Analysis, 2020, 86, 103390.	3.9	27
40	Broad-scale patterns of tissue- ^{15}N and tissue-N indices in frondose <i>Ulva</i> spp.; Developing a national baseline indicator of nitrogen-loading for coastal New Zealand. Marine Pollution Bulletin, 2013, 67, 203-216.	5.0	25
41	Feeding patterns of two sympatric shark predators in coastal ecosystems of an oceanic island. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 216-227.	1.4	24
42	The Unique Manuka Effect: Why New Zealand Manuka Honey Fails the AOAC 998.12 C-4 Sugar Method. Journal of Agricultural and Food Chemistry, 2014, 62, 2615-2622.	5.2	22
43	Investigating C-4 Sugar Contamination of Manuka Honey and Other New Zealand Honey Varieties Using Carbon Isotopes. Journal of Agricultural and Food Chemistry, 2014, 62, 2605-2614.	5.2	22
44	Eliminating false positive C4 sugar tests on New Zealand Manuka honey. Rapid Communications in Mass Spectrometry, 2010, 24, 2370-2374.	1.5	21
45	Stable isotopes verify geographical origin of yak meat from Qinghai-Tibet plateau. Meat Science, 2020, 165, 108113.	5.5	21
46	Verification of Egg Farming Systems from The Netherlands and New Zealand Using Stable Isotopes. Journal of Agricultural and Food Chemistry, 2015, 63, 8372-8380.	5.2	20
47	Dietary interpretations for extinct megafauna using coprolites, intestinal contents and stable isotopes: Complimentary or contradictory?. Quaternary Science Reviews, 2016, 142, 173-178.	3.0	19
48	Ecology of foraminifera during the middle Eocene climatic optimum in Kutch, India. Geodinamica Acta, 2017, 29, 181-193.	2.2	19
49	Stable isotopes reveal human influences on southern New Zealand soils. Applied Geochemistry, 2017, 82, 15-24.	3.0	19
50	Isotope chemometrics determines farming methods and geographical origin of vegetables from Yangtze River Delta Region, China. Food Chemistry, 2021, 342, 128379.	8.2	19
51	Sources of particulate organic matter at the ecosystem scale: a stable isotope and trace element study in a tropical coral reef. Marine Ecology - Progress Series, 2011, 443, 77-93.	1.9	19
52	Hagfish feeding habits along a depth gradient inferred from stable isotopes. Marine Ecology - Progress Series, 2013, 485, 223-234.	1.9	19
53	Improved Discrimination for Brassica Vegetables Treated with Agricultural Fertilizers Using a Combined Chemometric Approach. Journal of Agricultural and Food Chemistry, 2016, 64, 5633-5643.	5.2	18
54	Modeling of stable isotope and multi-element compositions of jujube (<i>Ziziphus jujuba</i> Mill.) for origin traceability of protected geographical indication (PGI) products in Xinjiang, China. Journal of Food Composition and Analysis, 2020, 92, 103577.	3.9	18

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55	Identification of a Waipawa Formation equivalent in the upper Te Uri Member of the Whangai Formation – implications for depositional history and age. New Zealand Journal of Geology, and Geophysics, 2001, 44, 347-354.	1.8	16
56	Identifying source and formation altitudes of nitrates in drinking water from Réunion Island, France, using a multi-isotopic approach. Journal of Contaminant Hydrology, 2012, 138-139, 93-103.	3.3	16
57	Variability in the foraging range of Eudyptula minor across breeding sites in central New Zealand. New Zealand Journal of Zoology, 2017, 44, 225-244.	1.1	16
58	Geographical origin modeling of Chinese rice using stable isotopes and trace elements. Food Control, 2022, 138, 108997.	5.5	16
59	Human impacts recorded in chemical and isotopic fingerprints of soils from Dunedin City, New Zealand. Science of the Total Environment, 2019, 673, 455-469.	8.0	14
60	Chemometric origin classification of Chinese garlic using sulfur-containing compounds, assisted by stable isotopes and bioelements. Food Chemistry, 2022, 394, 133557.	8.2	14
61	Modification of AOAC Official Method SM 998.12 to Add Filtration and/or Centrifugation: Interlaboratory Comparison Exercise. Journal of AOAC INTERNATIONAL, 2013, 96, 607-614.	1.5	13
62	Stable isotope and photosynthetic response of tea grown under different temperature and light conditions. Food Chemistry, 2022, 368, 130771.	8.2	13
63	Rice authentication: An overview of different analytical techniques combined with multivariate analysis. Journal of Food Composition and Analysis, 2022, 112, 104677.	3.9	13
64	Stable isotopes reveal spatial variability in the trophic structure of a macrobenthic invertebrate community in a tropical coral reef. Rapid Communications in Mass Spectrometry, 2016, 30, 433-446.	1.5	12
65	Geographical traceability of south-east Asian durian: A chemometric study using stable isotopes and elemental compositions. Journal of Food Composition and Analysis, 2021, 101, 103940.	3.9	12
66	Influence of leaf age, species and soil depth on the authenticity and geographical origin assignment of green tea. Rapid Communications in Mass Spectrometry, 2019, 33, 625-634.	1.5	11
67	Understanding processing, maturity and harvest period effects to authenticate early-spring Longjing tea using stable isotopes and chemometric analyses. Food Control, 2021, 124, 107907.	5.5	11
68	Origin verification of imported infant formula and fresh milk into China using stable isotope and elemental chemometrics. Food Control, 2021, 128, 108165.	5.5	11
69	Differentiating wild, lake-farmed and pond-farmed carp using stable isotope and multi-element analysis of fish scales with chemometrics. Food Chemistry, 2020, 328, 127115.	8.2	11
70	Geographical origin traceability of muskmelon from Xinjiang province using stable isotopes and multi-elements with chemometrics. Journal of Food Composition and Analysis, 2022, 106, 104320.	3.9	11
71	Discriminating protected geographical indication Chinese Jinxiang garlic from other origins using stable isotopes and chemometrics. Journal of Food Composition and Analysis, 2021, 99, 103856.	3.9	10
72	Stable Isotope Effects of Biogas Slurry Applied as an Organic Fertilizer to Rice, Straw, and Soil. Journal of Agricultural and Food Chemistry, 2021, 69, 8090-8097.	5.2	10

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73	Eutrophication indicators in the Hutt River Estuary, New Zealand. New Zealand Journal of Marine and Freshwater Research, 2011, 45, 665-677.	2.0	9
74	Foraging ecology of a winter breeder, the Fiordland penguin. Marine Ecology - Progress Series, 2019, 614, 183-197.	1.9	9
75	A comparative authentication study of fresh fruit and vegetable juices using whole juice and sugar-specific stable isotopes. Food Chemistry, 2022, 373, 131535.	8.2	9
76	Geochemical baseline soil surveys for understanding element and isotope variation across New Zealand. New Zealand Journal of Agricultural Research, 2018, 61, 347-357.	1.6	8
77	Authenticating bioplastics using carbon and hydrogen stable isotopes – An alternative analytical approach. Rapid Communications in Mass Spectrometry, 2021, 35, e9051.	1.5	8
78	Chemical Analysis Combined with Multivariate Statistical Methods to Determine the Geographical Origin of Milk from Four Regions in China. Foods, 2021, 10, 1119.	4.3	8
79	A feather-precipitation hydrogen isoscape model for New Zealand: implications for ecoforensics. Ecosphere, 2012, 3, 1-13.	2.2	7
80	Baseline geochemical characterisation of a vulnerable tropical karstic aquifer; Lifou, New Caledonia. Journal of Hydrology: Regional Studies, 2016, 5, 114-130.	2.4	7
81	Food web reconstruction through isotopic compositions of fossil faeces: Insights into the ecology of a late Barremian freshwater ecosystem (Las Hoyas, Cuenca, Spain). Cretaceous Research, 2020, 108, 104343.	1.4	7
82	Environmental factors and fisheries influence the foraging patterns of a subtropical seabird, the Westland Petrel (<i>Procellaria westlandica</i>), in the Tasman Sea. Condor, 2018, 120, 371-387.	1.6	6
83	Determining the geographical origin and cultivation methods of Shanghai special rice using NIR and IRMS. Food Chemistry, 2022, 394, 133425.	8.2	6
84	Evidence of soil pollution by nitrates derived from pig effluent using ¹⁸ O and ¹⁵ N isotope analyses. Agronomy for Sustainable Development, 2010, 30, 743-751.	5.3	5
85	Inter-laboratory test for oxygen and hydrogen stable isotope analyses of geothermal fluids: Assessment of reservoir fluid compositions. Rapid Communications in Mass Spectrometry, 2018, 32, 1799-1810.	1.5	5
86	Elemental and isotopic compositions of New Zealand regional soils identifies human and climate-induced effects. Applied Geochemistry, 2022, 143, 105356.	3.0	5
87	Two new defatted beef reference materials, CAAS-1801 and CAAS-1802, for carbon and nitrogen stable isotope ratio measurements. Rapid Communications in Mass Spectrometry, 2019, 33, 803-810.	1.5	4
88	Authentication of Indonesian Coconut Sugar Using Stable Carbon Isotopes. Food Analytical Methods, 2021, 14, 1250-1255.	2.6	4
89	A stable isotope and chemometric framework to distinguish fresh milk from reconstituted milk powder and detect potential extraneous nitrogen additives. Journal of Food Composition and Analysis, 2022, 108, 104441.	3.9	3
90	Fine-scale foraging behaviour of southern Buller's albatross, the only <i>Thalassarche</i> that provisions chicks through winter. Marine Ecology - Progress Series, 2019, 625, 163-179.	1.9	2

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91	Chapter 13: Odds and Ends, or, All that's left to printIndex. , 2017, , 303-332.		1
92	Geochemistry of oil inclusions in sulfide-related calcitesâ€”fingerprinting the source of the sulfate-reducing hydrocarbons of the Pbâ€“Zn carbonate-hosted Jubilee deposit of Nova Scotia, Canada. Applied Geochemistry, 2002, 17, 69-77.	3.0	0
93	Feeding ecology analysis supports a marine diet in the extinct Chatham Island Duck (<i>Anas) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	0
94	Water-use efficiency and nitrogen uptake in rice seedlings grown under different light quality. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2021, 49, 12127.	1.1	0