

Karyne M. Rogers

List of Publications by Year in descending order

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94
papers

2,887
citations

159573

30
h-index

197805

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 North Island of 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. <i>Food Chemistry</i> , 2020, 313, 126093.	8.2	45
20	Paleoenvironmental changes across the Cretaceous/Tertiary boundary at Flaxbourne River and Woodside Creek, eastern Marlborough, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2003, 46, 177-197.	1.8	42
21	Temporal molecular and isotopic analysis of active bacterial communities in two New Zealand sponges. <i>FEMS Microbiology Ecology</i> , 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. <i>Food Chemistry</i> , 2017, 217, 766-772.	8.2	41
23	Geographical origin of Chinese wolfberry (goji) determined by carbon isotope analysis of specific volatile compounds. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1105, 104-112.	2.3	39
24	Detection of petroleum contamination in river sediments from Quebec City region using GC-IRMS. <i>Organic Geochemistry</i> , 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. <i>New Zealand Journal of Marine and Freshwater Research</i> , 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. <i>Marine Geology</i> , 2010, 270, 11-29.	2.1	36
27	A geochemical appraisal of oil seeps from the East Coast Basin, New Zealand. <i>Organic Geochemistry</i> , 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. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 2607-2615.	5.2	35
29	The regional geochemical baseline soil survey of southern New Zealand: Design and initial interpretation. <i>Journal of Geochemical Exploration</i> , 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. <i>Meat Science</i> , 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. <i>Journal of Agricultural and Food Chemistry</i> , 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. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	31
33	Origin verification of French red wines using isotope and elemental analyses coupled with chemometrics. <i>Food Chemistry</i> , 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. <i>Marine Ecology - Progress Series</i> , 2009, 386, 181-195.	1.9	30
35	Multiple indicators reveal river plume influence on sediments and benthos in a New Zealand coastal embayment. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2007, 41, 13-24.	2.0	29
36	Variable composition of particle-bound organic carbon in steepland river systems. <i>Journal of Geophysical Research</i> , 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. <i>Food Chemistry</i> , 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. <i>Food Chemistry</i> , 2020, 310, 125826.	8.2	27
39	Detection of adulteration in Chinese monofloral honey using ¹ H nuclear magnetic resonance and chemometrics. <i>Journal of Food Composition and Analysis</i> , 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. <i>Marine Pollution Bulletin</i> , 2013, 67, 203-216.	5.0	25
41	Feeding patterns of two sympatric shark predators in coastal ecosystems of an oceanic island. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 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. <i>Journal of Agricultural and Food Chemistry</i> , 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. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 2605-2614.	5.2	22
44	Eliminating false positive C4 sugar tests on New Zealand Manuka honey. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2370-2374.	1.5	21
45	Stable isotopes verify geographical origin of yak meat from Qinghai-Tibet plateau. <i>Meat Science</i> , 2020, 165, 108113.	5.5	21
46	Verification of Egg Farming Systems from The Netherlands and New Zealand Using Stable Isotopes. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 8372-8380.	5.2	20
47	Dietary interpretations for extinct megafauna using coprolites, intestinal contents and stable isotopes: Complimentary or contradictory?. <i>Quaternary Science Reviews</i> , 2016, 142, 173-178.	3.0	19
48	Ecology of foraminifera during the middle Eocene climatic optimum in Kutch, India. <i>Geodinamica Acta</i> , 2017, 29, 181-193.	2.2	19
49	Stable isotopes reveal human influences on southern New Zealand soils. <i>Applied Geochemistry</i> , 2017, 82, 15-24.	3.0	19
50	Isotope chemometrics determines farming methods and geographical origin of vegetables from Yangtze River Delta Region, China. <i>Food Chemistry</i> , 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. <i>Marine Ecology - Progress Series</i> , 2011, 443, 77-93.	1.9	19
52	Hagfish feeding habits along a depth gradient inferred from stable isotopes. <i>Marine Ecology - Progress Series</i> , 2013, 485, 223-234.	1.9	19
53	Improved Discrimination for Brassica Vegetables Treated with Agricultural Fertilizers Using a Combined Chemometric Approach. <i>Journal of Agricultural and Food Chemistry</i> , 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. <i>Journal of Food Composition and Analysis</i> , 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. <i>New Zealand Journal of Geology, and Geophysics</i> , 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. <i>Journal of Contaminant Hydrology</i> , 2012, 138-139, 93-103.	3.3	16
57	Variability in the foraging range of <i>Eudypula minor</i> across breeding sites in central New Zealand. <i>New Zealand Journal of Zoology</i> , 2017, 44, 225-244.	1.1	16
58	Geographical origin modeling of Chinese rice using stable isotopes and trace elements. <i>Food Control</i> , 2022, 138, 108997.	5.5	16
59	Human impacts recorded in chemical and isotopic fingerprints of soils from Dunedin City, New Zealand. <i>Science of the Total Environment</i> , 2019, 673, 455-469.	8.0	14
60	Chemometric origin classification of Chinese garlic using sulfur-containing compounds, assisted by stable isotopes and bioelements. <i>Food Chemistry</i> , 2022, 394, 133557.	8.2	14
61	Modification of AOAC Official Method SM 998.12 to Add Filtration and/or Centrifugation: Interlaboratory Comparison Exercise. <i>Journal of AOAC INTERNATIONAL</i> , 2013, 96, 607-614.	1.5	13
62	Stable isotope and photosynthetic response of tea grown under different temperature and light conditions. <i>Food Chemistry</i> , 2022, 368, 130771.	8.2	13
63	Rice authentication: An overview of different analytical techniques combined with multivariate analysis. <i>Journal of Food Composition and Analysis</i> , 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. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 433-446.	1.5	12
65	Geographical traceability of south-east Asian durian: A chemometric study using stable isotopes and elemental compositions. <i>Journal of Food Composition and Analysis</i> , 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. <i>Rapid Communications in Mass Spectrometry</i> , 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. <i>Food Control</i> , 2021, 124, 107907.	5.5	11
68	Origin verification of imported infant formula and fresh milk into China using stable isotope and elemental chemometrics. <i>Food Control</i> , 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. <i>Food Chemistry</i> , 2020, 328, 127115.	8.2	11
70	Geographical origin traceability of muskmelon from Xinjiang province using stable isotopes and multi-elements with chemometrics. <i>Journal of Food Composition and Analysis</i> , 2022, 106, 104320.	3.9	11
71	Discriminating protected geographical indication Chinese Jinxiang garlic from other origins using stable isotopes and chemometrics. <i>Journal of Food Composition and Analysis</i> , 2021, 99, 103856.	3.9	10
72	Stable Isotope Effects of Biogas Slurry Applied as an Organic Fertilizer to Rice, Straw, and Soil. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 8090-8097.	5.2	10

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73	Eutrophication indicators in the Hutt River Estuary, New Zealand. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2011, 45, 665-677.	2.0	9
74	Foraging ecology of a winter breeder, the Fiordland penguin. <i>Marine Ecology - Progress Series</i> , 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. <i>Food Chemistry</i> , 2022, 373, 131535.	8.2	9
76	Geochemical baseline soil surveys for understanding element and isotope variation across New Zealand. <i>New Zealand Journal of Agricultural Research</i> , 2018, 61, 347-357.	1.6	8
77	Authenticating bioplastics using carbon and hydrogen stable isotopes – An alternative analytical approach. <i>Rapid Communications in Mass Spectrometry</i> , 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. <i>Foods</i> , 2021, 10, 1119.	4.3	8
79	A feather-precipitation hydrogen isoscape model for New Zealand: implications for ecoforensics. <i>Ecosphere</i> , 2012, 3, 1-13.	2.2	7
80	Baseline geochemical characterisation of a vulnerable tropical karstic aquifer; Lifou, New Caledonia. <i>Journal of Hydrology: Regional Studies</i> , 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). <i>Cretaceous Research</i> , 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. <i>Condor</i> , 2018, 120, 371-387.	1.6	6
83	Determining the geographical origin and cultivation methods of Shanghai special rice using NIR and IRMS. <i>Food Chemistry</i> , 2022, 394, 133425.	8.2	6
84	Evidence of soil pollution by nitrates derived from pig effluent using 18O and 15N isotope analyses. <i>Agronomy for Sustainable Development</i> , 2010, 30, 743-751.	5.3	5
85	Interlaboratory test for oxygen and hydrogen stable isotope analyses of geothermal fluids: Assessment of reservoir fluid compositions. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1799-1810.	1.5	5
86	Elemental and isotopic compositions of New Zealand regional soils identifies human and climate-induced effects. <i>Applied Geochemistry</i> , 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. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 803-810.	1.5	4
88	Authentication of Indonesian Coconut Sugar Using Stable Carbon Isotopes. <i>Food Analytical Methods</i> , 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. <i>Journal of Food Composition and Analysis</i> , 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. <i>Marine Ecology - Progress Series</i> , 2019, 625, 163-179.	1.9	2

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91	Chapter 13: Odds and Ends, or, All that's left to print Index. , 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