

Brendan John Keely

List of Publications by Year in descending order

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91
papers

3,305
citations

126907

33
h-index

168389

53
g-index

93
all docs

93
docs citations

93
times ranked

3352
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of ultra-performance liquid chromatography and high-performance liquid chromatography for the determination of priority pesticides in baby foods by tandem quadrupole mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1103, 94-101.	3.7	228
2	Development and application of a high resolution liquid chromatographic method for the analysis of complex pigment distributions. <i>Journal of Chromatography A</i> , 2001, 917, 167-177.	3.7	138
3	Variations in abundances and distributions of isoprenoid chromans and long-chain alkylbenzenes in sediments of the Mulhouse Basin: a molecular sedimentary record of palaeosalinity. <i>Organic Geochemistry</i> , 1993, 20, 1201-1215.	1.8	110
4	Evaluation of gas chromatography-tandem quadrupole mass spectrometry for the determination of organochlorine pesticides in fats and oils. <i>Journal of Chromatography A</i> , 2005, 1068, 289-296.	3.7	99
5	Late Quaternary climate-driven environmental change in the Larsemann Hills, East Antarctica, multi-proxy evidence from a lake sediment core. <i>Quaternary Research</i> , 2005, 64, 83-99.	1.7	99
6	Atmospheric pressure chemical ionisation reversed-phase liquid chromatography/ion trap mass spectrometry of intact bacteriohopanepolyols. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 728-737.	1.5	98
7	Analysis of glyphosate and glufosinate by capillary electrophoresis-mass spectrometry utilising a sheathless microelectrospray interface. <i>Journal of Chromatography A</i> , 2003, 1004, 107-119.	3.7	98
8	An RNA-Aptamer-Based Assay for the Detection and Analysis of Malachite Green and Leucomalachite Green Residues in Fish Tissue. <i>Analytical Chemistry</i> , 2010, 82, 2652-2660.	6.5	90
9	Determination of priority pesticides in baby foods by gas chromatography tandem quadrupole mass spectrometry. <i>Journal of Chromatography A</i> , 2005, 1085, 207-212.	3.7	84
10	Ultra-performance liquid chromatography for the determination of pesticide residues in foods by tandem quadrupole mass spectrometry with polarity switching. <i>Journal of Chromatography A</i> , 2007, 1144, 161-169.	3.7	80
11	The impact of coral bleaching on the pigment profile of the symbiotic alga, <i>Symbiodinium</i> . <i>Plant, Cell and Environment</i> , 2006, 29, 2133-2142.	5.7	78
12	An interlaboratory study of TEX ₈₆ and BIT analysis of sediments, extracts, and standard mixtures. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5263-5285.	2.5	76
13	A multiproxy analysis of sedimentary organic carbon in the Changjiang Estuary and adjacent shelf. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1407-1429.	3.0	74
14	Interglacial environments of coastal east Antarctica: comparison of MIS 1 (Holocene) and MIS 5e (Last Interglacial). <i>Journal of Quaternary Science</i> , 2009, 24, 100-110.	3.0	73
15	High-Throughput Methods To Assess Lipophilic and Hydrophilic Antioxidant Capacity of Food Extracts in Vitro. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 3470-3477.	5.2	58
16	Rapid discrimination of archaeal tetraether lipid cores by liquid chromatography-tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 51-59.	2.8	57
17	Novel triterpene-derived hydrocarbons of arborane/fernane series in sediments. Part I.. <i>Tetrahedron</i> , 1992, 48, 3915-3924.	1.9	56
18	Quantification and screening of pesticide residues in food by gas chromatography-exact mass time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1166, 152-162.	3.7	56

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19	The major lipid cores of the archaeon <i>Ignisphaera aggregans</i> : implications for the phylogeny and biosynthesis of glycerol monoalkyl glycerol tetraether isoprenoid lipids. <i>Extremophiles</i> , 2011, 15, 517-528.	2.3	53
20	Chlorophyll and carotenoid pigments in solar saltern microbial mats. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 4703-4715.	3.9	49
21	Sources and transformations of chlorophylls and carotenoids in a monomictic sulphate-rich karstic lake environment. <i>Organic Geochemistry</i> , 1994, 22, 739-757.	1.8	49
22	A novel approach for sensitivity enhancement in atmospheric pressure chemical ionisation liquid chromatography/mass spectrometry of chlorophylls. , 2000, 14, 125-128.		45
23	Biologically mediated defunctionalization of chlorophyll in the aquatic environmentâ€”I. Senescence/decay of the diatom <i>Phaeodactylum tricornutum</i> . <i>Organic Geochemistry</i> , 1994, 21, 509-516.	1.8	42
24	A comparative study of the allomerization reaction of chlorophyll a and bacteriochlorophyll a. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998, , 1833-1840.	0.9	41
25	Atmospheric pressure chemical ionisation liquid chromatography/mass spectrometry of bacteriochlorophylls from Chlorobiaceae: characteristic fragmentations. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 453-461.	1.5	40
26	Tandem mass spectrometric analysis of quaternary ammonium pesticides. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 699-707.	1.5	39
27	Analysis of pesticide residues in lettuce by large volumeâ€”difficult matrix introductionâ€”gas chromatographyâ€”time of flightâ€”mass spectrometry (LV-DMI-GC-TOF-MS). <i>Analyst</i> , The, 2003, 128, 1228-1231.	3.5	39
28	Characterization of Peptides Formed during Fermentation of Cocoa Bean. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 5822-5827.	5.2	38
29	A critical assessment of the analysis and distributions of scytonemin and related UV screening pigments in sediments. <i>Organic Geochemistry</i> , 2004, 35, 1221-1228.	1.8	38
30	Antioxidant Activity of Oregano, Parsley, and Olive Mill Wastewaters in Bulk Oils and Oil-in-Water Emulsions Enriched in Fish Oil. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 7151-7159.	5.2	38
31	Exceptional preservation of a prehistoric human brain from Heslington, Yorkshire, UK. <i>Journal of Archaeological Science</i> , 2011, 38, 1641-1654.	2.4	38
32	Predicting Drug Candidate Victims of Drug-Drug Interactions, using Microdosing. <i>Clinical Pharmacokinetics</i> , 2012, 51, 237-246.	3.5	36
33	Optimisation of ion trap parameters for the quantification of chlormequat by liquid chromatography/mass spectrometry and the application in the analysis of pear extracts. , 2000, 14, 112-117.		35
34	A high resolution study of the chlorophyll and bacteriochlorophyll pigment distributions in a calcite/gypsum microbial mat. <i>Organic Geochemistry</i> , 2003, 34, 539-551.	1.8	34
35	Semiautomated Determination of Pesticides in Water Using Solid Phase Extraction Disks and Gas Chromatographyâ€”Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 645-649.	5.2	34
36	A geological constraint on relative sea level in Marine Isotope Stage 3 in the Larsemann Hills, Lambert Glacier region, East Antarctica (31â€”36â€”33â€”228calyrBP). <i>Quaternary Science Reviews</i> , 2009, 28, 2689-2696. ^{3.0}		34

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37	Identification of diastereomeric chlorophyll allomers by atmospheric pressure chemical ionisation liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 1125-1131.	1.5	33
38	Distribution and significance of chlorophyll derivatives and oxidation products during the spring phytoplankton bloom in the Celtic Sea April 2002. <i>Organic Geochemistry</i> , 2004, 35, 1289-1298.	1.8	33
39	Identification of the bacteriochlorophyll homologues of <i>Chlorobium phaeobacteroides</i> strain UdG6053 grown at low light intensity. <i>Photosynthesis Research</i> , 2001, 70, 221-230.	2.9	32
40	Isotachophoretic separation of glyphosate, glufosinate, AMPA and MPP with contactless conductivity detection. <i>Analyst</i> , 2002, 127, 204-206.	3.5	31
41	Origin and significance of 13 2-hydroxychlorophyll derivatives in sediments. <i>Organic Geochemistry</i> , 2002, 33, 1667-1674.	1.8	30
42	Profiles of volatile compounds in milk containing fish oil analyzed by HS-SPME-GC/MS. <i>European Journal of Lipid Science and Technology</i> , 2008, 110, 277-283.	1.5	30
43	Late Pleistocene record of elevated UV radiation in an Antarctic lake. <i>Earth and Planetary Science Letters</i> , 2005, 236, 765-772.	4.4	28
44	Atmospheric pressure ionisation mass spectrometric fragmentation pathways of noscapine and papaverine revealed by multistage mass spectrometry and in-source deuterium labelling. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 473-480.	1.5	28
45	A rapid microbial inhibition-based screening strategy for fluoroquinolone and quinolone residues in foods of animal origin. <i>Analytica Chimica Acta</i> , 2009, 637, 241-246.	5.4	28
46	Improved sensitivity in detection of chlormequat by liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2000, 897, 399-404.	3.7	26
47	Tandem mass spectrometric analysis of glyphosate, glufosinate, aminomethylphosphonic acid and methylphosphinicopropionic acid. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 963-969.	1.5	26
48	Primary production in Lake La Cruz (Spain) over the last four centuries: reconstruction based on sedimentary signal of photosynthetic pigments. <i>Journal of Paleolimnology</i> , 2010, 43, 771-786.	1.6	26
49	Atmospheric pressure chemical ionisation normal phase liquid chromatography mass spectrometry and tandem mass spectrometry of chlorophylla allomers. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 473-479.	1.5	25
50	Analysis of androgenic steroid Girard P hydrazones using multistage tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1247-1252.	1.5	25
51	Early chlorin diagenesis in a recent aquatic sediment. <i>Organic Geochemistry</i> , 1986, 10, 975-980.	1.8	24
52	Evidence of late Quaternary environmental change in a continental east Antarctic lake from lacustrine sedimentary pigment distributions. <i>Antarctic Science</i> , 2005, 17, 361-376.	0.9	24
53	Micromorphological and chemical investigation of late-Viking age grave fills at Hofstaðir, Iceland. <i>Geoderma</i> , 2017, 306, 183-194.	5.1	23
54	Characterization of the chlorosome antenna of the filamentous anoxygenic phototrophic bacterium <i>Chloronema</i> sp. strain UdG9001. <i>Archives of Microbiology</i> , 2003, 180, 417-426.	2.2	22

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55	Mono-, di- and trimethylated homologues of isoprenoid tetraether lipid cores in archaea and environmental samples: mass spectrometric identification and significance. <i>Journal of Mass Spectrometry</i> , 2015, 50, 1420-1432.	1.6	22
56	Atmospheric pressure chemical ionisation liquid chromatography/mass spectrometry of the ultraviolet screening pigment scytonemin: characteristic fragmentations. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 2934-2938.	1.5	21
57	Geochemistry of Chlorophylls. , 2006, , 535-561.		20
58	Photoautotrophic community changes in Lagunillo del Tejo (Spain) in response to lake level fluctuation: Two centuries of sedimentary pigment records. <i>Organic Geochemistry</i> , 2009, 40, 376-386.	1.8	20
59	A novel sedimentary chlorin: structural evidence for a chlorophyll origin for aetioporphyrens. <i>Organic Geochemistry</i> , 2000, 31, 1253-1256.	1.8	19
60	Characterisation of naturally occurring steryl esters derived from Chlorophyll a. <i>Tetrahedron Letters</i> , 1993, 34, 2989-2992.	1.4	18
61	Novel glycerol dialkanol triols in sediments: transformation products of glycerol dibiphytanyl glycerol tetraether lipids or biosynthetic intermediates?. <i>Chemical Communications</i> , 2012, 48, 841-843.	4.1	18
62	Application of programmable temperature vaporisation injection with resistive heating-gas chromatography flame photometric detection for the determination of organophosphorus pesticides. <i>Journal of Separation Science</i> , 2006, 29, 90-95.	2.5	17
63	Structures and profiles of novel sulfur-linked chlorophyll derivatives in an Antarctic lake sediment. <i>Organic Geochemistry</i> , 2004, 35, 1309-1318.	1.8	16
64	Surface-enhanced resonance Raman spectroscopic identification of chlorophyll a allomers. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 1731-1734.	0.9	15
65	Negative ion electrospray mass spectrometry of aminomethylphosphonic acid and glyphosate: elucidation of fragmentation mechanisms by multistage mass spectrometry incorporating in-source deuterium labelling. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 37-43.	1.5	15
66	Signatures of degraded body tissues and environmental conditions in grave soils from a Roman and an Anglo-Scandinavian age burial from Hungate, York. <i>Journal of Archaeological Science</i> , 2018, 99, 87-98.	2.4	15
67	Surface-enhanced resonance Raman spectra of water-insoluble tetraphenylporphyrin and chlorophyll a on silver hydrosols with a dioxane molecular spacer. <i>Chemical Physics Letters</i> , 1996, 258, 501-506.	2.6	14
68	Alkyl sulfur chlorophyll derivatives: Preparation and liquid chromatography-multistage tandem mass spectrometric characterisation of analogues of naturally occurring sedimentary species. <i>Organic Geochemistry</i> , 2008, 39, 1046-1050.	1.8	14
69	Origins of enigmatic C-3 methyl and C-3 H porphyrins in ancient sediments revealed from formation of pyropheophorbide d in simulation experiments. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 104, 111-122.	3.9	13
70	Formation of gas-phase clusters monitored during electrospray mass spectrometry: a study of quaternary ammonium pesticides. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1341-1345.	1.5	12
71	Identification of novel sulfur-containing derivatives of chlorophyll a in a Recent sediment. Electronic supplementary information (ESI) available: ¹ H NMR data. See http://www.rsc.org/suppdata/cc/b2/b212243j/ . <i>Chemical Communications</i> , 2003, , 624-625.	4.1	12
72	Bacterioviridins: novel sedimentary chlorins providing evidence for oxidative processes affecting palaeobacterial communities. <i>Organic Geochemistry</i> , 2004, 35, 199-202.	1.8	12

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73	Sedimentary multiproxy response to hydroclimatic variability in Lagunillo del Tejo (Spain). <i>Hydrobiologia</i> , 2009, 631, 231-245.	2.0	12
74	Low temperature abiotic formation of mesopyropheophorbide a from pyropheophorbide a under conditions simulating anoxic natural environments. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 533-540.	3.9	12
75	Atmospheric pressure chemical ionisation liquid chromatography/multistage mass spectrometry for assignment of sedimentary bacteriochlorophyll derivatives. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 38-46.	1.5	11
76	Unexpected occurrence and significance of zinc alkyl porphyrins in Cenomanian–Turonian black shales of the Demerara Rise. <i>Organic Geochemistry</i> , 2008, 39, 1081-1087.	1.8	11
77	Identification of homoglycerol- and dihomoglycerol-containing isoprenoid tetraether lipid cores in aquatic sediments and a soil. <i>Organic Geochemistry</i> , 2014, 76, 146-156.	1.8	11
78	Method validation of resistive heating–gas chromatography with flame photometric detection for the rapid screening of organophosphorus pesticides in fruit and vegetables. <i>Journal of Chromatography A</i> , 2004, 1046, 225-234.	3.7	10
79	Protected surface-enhanced resonance Raman spectroscopy for the study of geochemically significant chlorophyll transformation products. <i>Organic Geochemistry</i> , 1998, 29, 1063-1073.	1.8	9
80	Atmospheric pressure chemical ionisation liquid chromatography/multi-stage mass spectrometry of isobaric bacteriopheophorbided methyl esters. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2455-2458.	1.5	9
81	The impact of different intensities of green light on the bacteriochlorophyll homologue composition of the chlorobiaceae <i>Prosthecochloris aestuarii</i> and <i>Chlorobium phaeobacteroides</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 2555-2564.	1.8	9
82	Chlorins in mid-Cretaceous black shales of the Demerara Rise: The oldest known occurrence. <i>Organic Geochemistry</i> , 2011, 42, 856-859.	1.8	9
83	Identification of bacteriopheophytin a esterified with geranylgeraniol in an Antarctic lake sediment. <i>Organic Geochemistry</i> , 2004, 35, 203-207.	1.8	8
84	Structural complexity in isoprenoid glycerol dialkyl glycerol tetraether lipid cores of <i>Sulfolobus</i> and other archaea revealed by liquid chromatography–tandem mass spectrometry. <i>Chemistry and Physics of Lipids</i> , 2012, 165, 648-655.	3.2	8
85	Structural variations in derivatives of the bacteriochlorophylls of Chlorobiaceae: impact of stratigraphic resolution on depth profiles as revealed by methanolysis. <i>Organic Geochemistry</i> , 2004, 35, 1299-1307.	1.8	7
86	Deterioration of the Hanson Logboat: chemical and imaging assessment with removal of polyethylene glycol conserving agent. <i>Scientific Reports</i> , 2017, 7, 13697.	3.3	7
87	Adduction of solvent molecules by ions isolated within an ion trap mass spectrometer under atmospheric pressure ionisation conditions. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 2491-2496.	1.5	6
88	Chlorophyll and pheophytin derivatives in geochemical transformation pathways: A surface-enhanced resonance Raman spectroscopic study. , 1998, 4, 147-159.		2
89	Sedimentary multiproxy response to hydroclimatic variability in Lagunillo del Tejo (Spain). , 2009, , 231-245.		2
90	Evidence from burial sediments for prehistoric burial practice and ritual in Monte Claro chambered tombs: Micromorphology, mineralogy and geochemistry. <i>Journal of Archaeological Science</i> , 2018, 100, 139-147.	2.4	1

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91	Molecular fossils as a tool for tracking Holocene sea-level change in the Loch of Stenness, Orkney. Journal of Quaternary Science, 2020, 35, 881-891.	2.1	0