

# Robert M Kalin

## List of Publications by Year in descending order

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153  
papers

4,477  
citations

117571

34  
h-index

138417

58  
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154  
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154  
docs citations

154  
times ranked

5062  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ten Year Performance Evaluation of a Field-Scale Zero-Valent Iron Permeable Reactive Barrier Installed to Remediate Trichloroethene Contaminated Groundwater. <i>Environmental Science &amp; Technology</i> , 2010, 44, 3861-3869.	4.6	194
2	Selection of organic substrates as potential reactive materials for use in a denitrification permeable reactive barrier (PRB). <i>Bioresource Technology</i> , 2008, 99, 7587-7596.	4.8	181
3	Chloride Methylation by Plant Pectin: An Efficient Environmentally Significant Process. <i>Science</i> , 2003, 301, 206-209.	6.0	166
4	Influence of carbonates on the riverine carbon cycle in an anthropogenically dominated catchment basin: evidence from major elements and stable carbon isotopes in the Lagan River (N. Ireland). <i>Chemical Geology</i> , 2003, 200, 203-216.	1.4	139
5	The role of stable isotopes in human identification: a longitudinal study into the variability of isotopic signals in human hair and nails. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1109-1116.	0.7	130
6	Resolving Genetic Functions within Microbial Populations: In Situ Analyses Using rRNA and mRNA Stable Isotope Probing Coupled with Single-Cell Raman-Fluorescence In Situ Hybridization. <i>Applied and Environmental Microbiology</i> , 2009, 75, 234-241.	1.4	128
7	Combining stable isotopes with contamination indicators: A method for improved investigation of nitrate sources and dynamics in aquifers with mixed nitrogen inputs. <i>Water Research</i> , 2017, 124, 85-96.	5.3	112
8	Carbon isotope anomaly in the major plant C&lt;sub&gt;1&lt;/sub&gt; pool and its global biogeochemical implications. <i>Biogeosciences</i> , 2004, 1, 123-131.	1.3	110
9	Stable isotopes and sclerochronology of the bivalve <i>Mesodesma donacium</i> : Potential application to Peruvian paleoceanographic reconstructions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 228, 4-25.	1.0	108
10	Biogenic methane in shale gas and coal bed methane: A review of current knowledge and gaps. <i>International Journal of Coal Geology</i> , 2016, 165, 106-120.	1.9	105
11	Isotopic evidence for temperature variation during the early Cretaceous (late Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342 Td (Pya	0.9	103
12	Late-surviving megafauna in Tasmania, Australia, implicate human involvement in their extinction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12150-12153.	3.3	97
13	Stable hydrogen isotope ratios of lignin methoxyl groups as a paleoclimate proxy and constraint of the geographical origin of wood. <i>New Phytologist</i> , 2007, 176, 600-609.	3.5	91
14	Trophic importance of kelp-derived suspended particulate matter in a through-flow sub-Antarctic system. <i>Marine Ecology - Progress Series</i> , 2006, 316, 17-22.	0.9	73
15	Biogenic nano-magnetite and nano-zero valent iron treatment of alkaline Cr(VI) leachate and chromite ore processing residue. <i>Applied Geochemistry</i> , 2015, 54, 27-42.	1.4	72
16	Large carbon isotope fractionation associated with oxidation of methyl halides by methylotrophic bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 5833-5837.	3.3	70
17	Climatic variability in the southwest Pacific during the Last Termination (20â€“10kyrBP). <i>Quaternary Science Reviews</i> , 2006, 25, 886-903.	1.4	67
18	Associations of PM2.5 and black carbon concentrations with traffic, idling, background pollution, and meteorology during school dismissals. <i>Science of the Total Environment</i> , 2009, 407, 3357-3364.	3.9	67

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19	A comprehensive optimum integrated water resources management approach for multidisciplinary water resources management problems. <i>Journal of Environmental Management</i> , 2019, 239, 211-224.	3.8	66
20	Performance of a field-scale biological permeable reactive barrier for in-situ remediation of nitrate-contaminated groundwater. <i>Science of the Total Environment</i> , 2019, 659, 211-220.	3.9	63
21	Radiocarbon Dating of Groundwater Systems. , 2000, , 111-144.		61
22	Carbon Isotope Fractionation during Aerobic Biodegradation of Trichloroethene by <i>Burkholderia cepacia</i> G4: a Tool To Map Degradation Mechanisms. <i>Applied and Environmental Microbiology</i> , 2002, 68, 1728-1734.	1.4	60
23	Kinetics of the oxidation of methyl tert-butyl ether (MTBE) by potassium permanganate. <i>Water Research</i> , 2002, 36, 3638-3646.	5.3	60
24	Are oxygen and carbon isotopes of mollusc shells reliable palaeosalinity indicators in marginal marine environments? A case study from the Middle Jurassic of England. <i>Journal of the Geological Society</i> , 1997, 154, 321-333.	0.9	43
25	The distinctive isotopic signature of plant-derived chloromethane: possible application in constraining the atmospheric chloromethane budget. <i>Chemosphere</i> , 2003, 52, 433-436.	4.2	42
26	Multivariate Statistical Methods for the Environmental Forensic Classification of Coal Tars from Former Manufactured Gas Plants. <i>Environmental Science &amp; Technology</i> , 2012, 46, 3744-3752.	4.6	42
27	Carbon isotope fractionation during abiotic reductive dehalogenation of trichloroethene (TCE). <i>Chemosphere</i> , 2001, 44, 1281-1286.	4.2	41
28	Variation in stable carbon isotope fractionation during aerobic degradation of phenol and benzoate by contaminant degrading bacteria. <i>Organic Geochemistry</i> , 1999, 30, 801-811.	0.9	40
29	Carbon Isotope Ratios for Chloromethane of Biological Origin: A Potential Tool in Determining Biological Emissions. <i>Environmental Science &amp; Technology</i> , 2001, 35, 3616-3619.	4.6	38
30	Isotope values of atmospheric halocarbons and hydrocarbons from Irish urban, rural, and marine locations. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	38
31	Southern Hemisphere Early Cretaceous (Valanginian-Early Barremian) carbon and oxygen isotope curves from the Neuqu�n Basin, Argentina. <i>Cretaceous Research</i> , 2008, 29, 87-99.	0.6	38
32	Evaluating the utility of <sup>15</sup> N and <sup>18</sup> O isotope abundance analyses to identify nitrate sources: A soil zone study. <i>Water Research</i> , 2012, 46, 3723-3736.	5.3	38
33	Risk assessment to groundwater of pit latrine rural sanitation policy in developing country settings. <i>Science of the Total Environment</i> , 2018, 613-614, 592-610.	3.9	37
34	Assessing the Impact of Climate Change on Groundwater Quality of the Shallow Coastal Aquifer of Eastern Dahomey Basin, Southwestern Nigeria. <i>Water (Switzerland)</i> , 2020, 12, 224.	1.2	37
35	Effective treatment of alkaline Cr(VI) contaminated leachate using a novel Pd-bionanocatalyst: Impact of electron donor and aqueous geochemistry. <i>Applied Catalysis B: Environmental</i> , 2015, 170-171, 162-172.	10.8	36
36	Carbon isotope fractionation during reductive dechlorination of TCE in batch experiments with iron samples from reactive barriers. <i>Journal of Contaminant Hydrology</i> , 2003, 66, 25-37.	1.6	35

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37	Carbon Disulfide Removal by Zero Valent Iron. Environmental Science & Technology, 2007, 41, 4607-4612.	4.6	34
38	Routine analysis by high precision gas chromatography/mass selective detector/isotope ratio mass spectrometry to 0.1 parts per mil. , 1999, 13, 1231-1236.		33
39	Engineered passive bioreactive barriers: risk-managing the legacy of industrial soil and groundwater pollution. Current Opinion in Microbiology, 2004, 7, 227-238.	2.3	33
40	Environmental and toenail metals concentrations in copper mining and non mining communities in Zambia. International Journal of Hygiene and Environmental Health, 2014, 217, 62-69.	2.1	33
41	Responding to salinity in a rural African alluvial valley aquifer system: To boldly go beyond the world of hand-pumped groundwater supply?. Science of the Total Environment, 2019, 653, 1005-1024.	3.9	33
42	The transformation of Sonoran Desert wetlands following the historic decrease of burning. Journal of Arid Environments, 2002, 50, 393-412.	1.2	32
43	Stable isotope analysis of safety matches using isotope ratio mass spectrometry-a forensic case study. Rapid Communications in Mass Spectrometry, 2005, 19, 3182-3186.	0.7	32
44	Selection of CMIP5 GCM Ensemble for the Projection of Spatio-Temporal Changes in Precipitation and Temperature over the Niger Delta, Nigeria. Water (Switzerland), 2020, 12, 385.	1.2	32
45	Fingerprinting polychlorinated biphenyls in environmental samples using comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry. Journal of Chromatography A, 2013, 1318, 276-283.	1.8	31
46	Development of an advanced on-line position-specific stable carbon isotope system and application to methyl tert-butyl ether. Rapid Communications in Mass Spectrometry, 2009, 23, 3183-3193.	0.7	30
47	A multi-site analysis of the association between black carbon concentrations and vehicular idling, traffic, background pollution, and meteorology during school dismissals. Science of the Total Environment, 2011, 409, 2085-2093.	3.9	30
48	Fluoride occurrence in the lower East African Rift System, Southern Malawi. Science of the Total Environment, 2020, 712, 136260.	3.9	30
49	Understanding the Functionality and Burden on Decentralised Rural Water Supply: Influence of Millennium Development Goal 7c Coverage Targets. Water (Switzerland), 2019, 11, 494.	1.2	29
50	Continuous flow stable isotope methods for study of $\delta^{13}\text{C}$ fractionation during halomethane production and degradation. Rapid Communications in Mass Spectrometry, 2001, 15, 357-363.	0.7	28
51	Recharge velocity and geochemical evolution for the Permo-Triassic Sherwood Sandstone, Northern Ireland. Journal of Hydrology, 2005, 315, 308-324.	2.3	28
52	A method for carbon stable isotope analysis of methyl halides and chlorofluorocarbons at pptv concentrations. Rapid Communications in Mass Spectrometry, 2005, 19, 337-342.	0.7	27
53	Implications of diagenesis for the isotopic analysis of Upper Miocene large mammalian herbivore tooth enamel from Chad. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 266, 200-210.	1.0	27
54	Investigation of the Range of Carbon and Hydrogen Isotopes Within a Global Set of Gasolines. Environmental Forensics, 2008, 9, 166-176.	1.3	27

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55	Performance of a Sequential Reactive Barrier for Bioremediation of Coal Tar Contaminated Groundwater. <i>Environmental Science &amp; Technology</i> , 2007, 41, 6795-6801.	4.6	26
56	Ultra resolution chemical fingerprinting of dense non-aqueous phase liquids from manufactured gas plants by reversed phase comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 4755-4763.	1.8	26
57	A Culture-Independent Approach to Unravel Uncultured Bacteria and Functional Genes in a Complex Microbial Community. <i>PLoS ONE</i> , 2012, 7, e47530.	1.1	26
58	Stranded Assets as a Key Concept to Guide Investment Strategies for Sustainable Development Goal 6. <i>Water (Switzerland)</i> , 2019, 11, 702.	1.2	26
59	Stable Isotope Analysis of Human Hair and Nail Samples: The Effects of Storage on Samples. <i>Journal of Forensic Sciences</i> , 2008, 53, 95-99.	0.9	25
60	Degradation of carbon disulphide (CS <sub>2</sub> ) in soils and groundwater from a CS <sub>2</sub> -contaminated site. <i>Environmental Earth Sciences</i> , 2013, 68, 1935-1944.	1.3	25
61	Evaluation of Recharge in a Small Temperate Catchment Using Natural and Applied <sup>18</sup> O Profiles in the Unsaturated Zone. <i>Ground Water</i> , 2001, 39, 616-623.	0.7	24
62	Multi-objective optimization for sustainable groundwater resource management in a semiarid catchment. <i>Hydrological Sciences Journal</i> , 2001, 46, 55-72.	1.2	23
63	<sup>13</sup> C-Isotope ratio mass spectrometry as a potential tool for the forensic analysis of white architectural paint: a preliminary study. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1899-1905.	0.7	23
64	Microbial analysis of soil and groundwater from a gasworks site and comparison with a sequenced biological reactive barrier remediation process. <i>Journal of Applied Microbiology</i> , 2007, 102, 1227-1238.	1.4	23
65	Can polychlorinated biphenyl (PCB) signatures and enantiomer fractions be used for source identification and to age date occupational exposure?. <i>Environment International</i> , 2015, 81, 56-63.	4.8	23
66	A natural-gradient field tracer test for evaluation of pollutant-transport parameters in a porous-medium aquifer. <i>Hydrogeology Journal</i> , 2001, 9, 313-320.	0.9	21
67	Paleoenvironmental and Carbon-Oxygen Isotope Record of Middle Cambrian Carbonates (La Laja) Tj ETQq1 1 0.784314 rgBT /Overloc 0.8 21	0.8	21
68	A Suggested Quality Assurance Protocol for Radiocarbon Dating Laboratories. <i>Radiocarbon</i> , 1990, 32, 329-334.	0.8	20
69	Forensic analysis of wooden safety matches " A case study. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2007, 47, 88-98.	1.3	20
70	Comprehensive composition of Creosote using comprehensive two-dimensional gas chromatography time-of-flight mass spectrometry (GCxGC-TOFMS). <i>Chemosphere</i> , 2017, 178, 34-41.	4.2	20
71	Quantification of Temporal Variations in Base Flow Index Using Sporadic River Data: Application to the Bua Catchment, Malawi. <i>Water (Switzerland)</i> , 2019, 11, 901.	1.2	20
72	A microbial fuel cell in contaminated ground delineated by electrical self-potential and normalized induced polarization data. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	19

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73	Methyl chloride isotopic signatures from <sup>1</sup>C-rich forest soils and a comparison between abiotic and biogenic methyl halide soil fluxes. <i>Global Change Biology</i> , 2012, 18, 1453-1467.	4.2	19
74	DIAGENETIC ALTERATIONS AND RESERVOIR QUALITY EVOLUTION OF LOWER CRETACEOUS FLUVIAL SANDSTONES: NUBIAN FORMATION, SIRT BASIN, NORTH-CENTRAL LIBYA. <i>Journal of Petroleum Geology</i> , 2015, 38, 217-239.	0.9	19
75	Optimum socio-environmental flows approach for reservoir operation strategy using many-objectives evolutionary optimization algorithm. <i>Science of the Total Environment</i> , 2019, 651, 1877-1891.	3.9	19
76	A New Tree-Ring Width, $\delta^{13}C$ and $\delta^{14}C$ Investigation of the Two Creeks Site. <i>Radiocarbon</i> , 1992, 34, 792-797.	0.8	18
77	Diet and daily ration of two nototheniid fish on the shelf of the sub-Antarctic Prince Edward Islands. <i>Polar Biology</i> , 2005, 28, 585-593.	0.5	18
78	Origin and timing of siderite cementation in Upper Ordovician glaciogenic sandstones from the Murzuq basin, SW Libya. <i>Marine and Petroleum Geology</i> , 2006, 23, 459-471.	1.5	18
79	Groundwater quality index as a hydrochemical tool for monitoring saltwater intrusion into coastal freshwater aquifer of Eastern Dahomey Basin, Southwestern Nigeria. <i>Groundwater for Sustainable Development</i> , 2021, 13, 100568.	2.3	18
80	Radiocarbon Dating With the Quantulus in an Underground Counting Laboratory: Performance and Background Sources. <i>Radiocarbon</i> , 1989, 31, 359-367.	0.8	17
81	Characterizing a heterogeneous hydrogeological system using groundwater flow and geochemical modelling. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2004, 42, 147-155.	0.7	17
82	Development of modified flyash as a permeable reactive barrier medium for a former manufactured gas plant site, Northern Ireland. <i>Environmental Geology</i> , 2006, 50, 37-46.	1.2	17
83	Local scale water-food nexus: Use of borehole-garden permaculture to realise the full potential of rural water supplies in Malawi. <i>Journal of Environmental Management</i> , 2018, 209, 354-370.	3.8	17
84	Direct equilibration of soil water for $\delta^{18}O$ analysis and its application to tracer studies. , 1999, 13, 1339-1345.		16
85	Performance of Models for Radiocarbon Dating of Groundwater: An Appraisal using Selected Irish Aquifers. <i>Radiocarbon</i> , 2000, 42, 235-248.	0.8	16
86	A one-step method for priority compounds of concern in tar from former industrial sites: Trimethylsilyl derivatisation with comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2012, 1253, 154-163.	1.8	15
87	Reflecting SDG 6.1 in Rural Water Supply Tariffs: Considering "Affordability" Versus "Operations and Maintenance Costs" in Malawi. <i>Sustainability</i> , 2020, 12, 744.	1.6	15
88	High-Sensitivity Radiocarbon Dating in the 50,000 to 70,000 bp Range without Isotopic Enrichment. <i>Radiocarbon</i> , 1992, 34, 351-359.	0.8	14
89	Microbial Transhalogenation: A Complicating Factor in Determination of Atmospheric Chloro- and Bromomethane Budgets. <i>Environmental Science &amp; Technology</i> , 2000, 34, 2525-2527.	4.6	14
90	Identifying the provenance of Leach's storm petrels in the North Atlantic using polychlorinated biphenyl signatures derived from comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry. <i>Chemosphere</i> , 2014, 114, 195-202.	4.2	14

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91	Potential Impacts of Climate Change on Extreme Weather Events in the Niger Delta Part of Nigeria. <i>Hydrology</i> , 2020, 7, 19.	1.3	14
92	Identifying Groundwater Fluoride Source in a Weathered Basement Aquifer in Central Malawi: Human Health and Policy Implications. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5006.	1.3	14
93	Gas-Phase Photocatalytic Oxidation of Dichlorobutenes. <i>Environmental Science &amp; Technology</i> , 2001, 35, 2823-2827.	4.6	13
94	A conceptual model based framework for pragmatic groundwater-quality monitoring network design in the developing world: Application to the Chikwawa District, Malawi. <i>Groundwater for Sustainable Development</i> , 2018, 6, 213-226.	2.3	13
95	Reconstruction of Tritium Release History from Contaminated Groundwater Using Tree Ring Analysis. <i>Fusion Science and Technology</i> , 1995, 28, 883-887.	0.6	12
96	Carbon isotope and magnetostratigraphy of the Cretaceous (Barremian – Aptian) Pabellón Formation, Chañarcillo Basin, Chile. <i>Cretaceous Research</i> , 2008, 29, 183-191.	0.6	12
97	A possible paleoclimatic ENSO indicator in the spatial variation of annual tree-ring <sup>14</sup> C. <i>Geophysical Research Letters</i> , 1993, 20, 439-442.	1.5	11
98	High-Precision "Wiggle-Matching" in Radiocarbon Dating. <i>Journal of Archaeological Science</i> , 1994, 21, 475-479.	1.2	11
99	A national approach to systematic transboundary aquifer assessment and conceptualisation at relevant scales: A Malawi case study. <i>Journal of Hydrology: Regional Studies</i> , 2018, 20, 35-48.	1.0	11
100	Water Isotope Capacity Building and Demonstration in a Developing World Context: Isotopic Baseline and Conceptualization of a Lake Malawi Catchment. <i>Water (Switzerland)</i> , 2019, 11, 2600.	1.2	11
101	Hydrostratigraphic Characterisation of Shallow Coastal Aquifers of Eastern Dahomey Basin, S/W Nigeria, Using Integrated Hydrogeophysical Approach; Implication for Saltwater Intrusion. <i>Geosciences (Switzerland)</i> , 2020, 10, 65.	1.0	11
102	Groundwater Resources in the Lagan Valley Sandstone Aquifer, Northern Ireland. <i>Water and Environment Journal</i> , 1997, 11, 133-139.	1.0	10
103	Toxicity Assessment of a Former Manufactured Gas Plant. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2003, 71, 21-30.	1.3	10
104	Carbon Isotopic Fractionation of CFCs during Abiotic and Biotic Degradation. <i>Environmental Science &amp; Technology</i> , 2012, 46, 1764-1773.	4.6	10
105	Intercomparison of High-Precision <sup>14</sup> C Measurements at the University of Arizona and the Queen's University of Belfast Radiocarbon Laboratories. <i>Radiocarbon</i> , 1995, 37, 33-38.	0.8	9
106	Palaeovolcanic forcing of short-term dendroisotopic depletion: The effect of decreased solar intensity on Irish oak. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	9
107	Fate and transport of volatile organic compounds in glacial till and groundwater at an industrial site in Northern Ireland. <i>Environmental Geology</i> , 2007, 52, 1117-1131.	1.2	9
108	Paleo-Geohydrology of Lake Chilwa, Malawi is the Source of Localised Groundwater Salinity and Rural Water Supply Challenges. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6909.	1.3	9

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109	A Survey of Radon-222 in Ground Water from the Sherwood Sandstone Aquifer: Belfast and Newtownards, Northern Ireland. <i>Ground Water Monitoring and Remediation</i> , 1997, 17, 88-92.	0.6	8
110	Comprehensive database of Manufactured Gas Plant tars. Part A. Database. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1231-1238.	0.7	8
111	A methodology to identify vulnerable transboundary aquifer hotspots for multi-scale groundwater management. <i>Water International</i> , 2020, 45, 865-883.	0.4	8
112	Seasonally Variant Stable Isotope Baseline Characterisation of Malawi's Shire River Basin to Support Integrated Water Resources Management. <i>Water (Switzerland)</i> , 2020, 12, 1410.	1.2	8
113	Evaluation of Daily Gridded Meteorological Datasets over the Niger Delta Region of Nigeria and Implication to Water Resources Management. <i>Atmospheric and Climate Sciences</i> , 2020, 10, 21-39.	0.1	8
114	Self-potential signatures associated with an injection experiment at an <i>in situ</i> biological permeable reactive barrier. <i>Near Surface Geophysics</i> , 2010, 8, 541-551.	0.6	7
115	Simplifying and improving the extraction of nitrate from freshwater for stable isotope analyses. <i>Journal of Environmental Monitoring</i> , 2011, 13, 2062.	2.1	7
116	Decision-Making Challenges of Sustainable Groundwater Strategy under Multi-Event Pressure in Arid Environments: The Diyala River Basin in Iraq. <i>Water (Switzerland)</i> , 2019, 11, 2160.	1.2	7
117	Predicting Groundwater Vulnerability to Geogenic Fluoride Risk: A Screening Method for Malawi and an Opportunity for National Policy Redefinition. <i>Water (Switzerland)</i> , 2020, 12, 3123.	1.2	7
118	"Hidden Hot Springs" as a Source of Groundwater Fluoride and Severe Dental Fluorosis in Malawi. <i>Water (Switzerland)</i> , 2021, 13, 1106.	1.2	7
119	The Cost of a Sustainable Water Supply at Network Kiosks in Peri-Urban Blantyre, Malawi. <i>Sustainability</i> , 2021, 13, 4685.	1.6	7
120	Highlighting the Effects of Co-eluting Interferences on Compound-Specific Stable Isotope Analysis of Polycyclic Aromatic Hydrocarbons by Using Comprehensive Two-Dimensional Gas Chromatography. <i>ChemPlusChem</i> , 2014, 79, 804-812.	1.3	6
121	Comprehensive database of Manufactured Gas Plant tars. Part B. Aliphatic and aromatic compounds. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1239-1249.	0.7	6
122	Assessment of Water Resources Management Strategy under Different Evolutionary Optimization Techniques. <i>Water (Switzerland)</i> , 2019, 11, 2021.	1.2	6
123	True 2-D Resistivity Imaging from Vertical Electrical Soundings to Support More Sustainable Rural Water Supply Borehole Siting in Malawi. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1162.	1.3	6
124	Acute health risks to community hand-pumped groundwater supplies following Cyclone Idai flooding. <i>Science of the Total Environment</i> , 2022, 806, 150598.	3.9	6
125	Characterization of Groundwater Discharge to Rivers in the Shire River Basin, Malawi. <i>American Journal of Water Science and Engineering</i> , 2019, 5, 127.	0.3	6
126	Groundwater circulation patterns and isotope geochemistry in the Chalk of Northern Ireland. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2003, 36, 59-73.	0.8	5



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127	Ecological and geochemical modelling of hydrogeological system with particular connection to human health. <i>Ecological Modelling</i> , 2004, 174, 375-385.	1.2	5
128	Comprehensive database of Manufactured Gas Plant tars. Part C. Heterocyclic and hydroxylated polycyclic aromatic hydrocarbons. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1250-1260.	0.7	5
129	A national border-based assessment of Malawi's transboundary aquifer units: Towards achieving sustainable development goal 6.5.2. <i>Journal of Hydrology: Regional Studies</i> , 2020, 31, 100726.	1.0	5
130	A plausible hydrological scenario for the BÄlling-AllerÄd atmospheric methane increase. <i>Holocene</i> , 1996, 6, 111-118.	0.9	4
131	The breath test - a call for more regional use. <i>European Journal of Gastroenterology and Hepatology</i> , 1997, 9, 693-696.	0.8	4
132	Reply to the comment on "Implications of diagenesis for the isotopic analysis of Upper Miocene large mammalian herbivore tooth enamel from Chad" by L. Jacques, N. Ogle, I. Moussa, R. Kalin, P. Vignaud, M. Brunet and H. Bocherens [ <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> 266 (2008) 200-210]. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 277, 269-271.	1.0	4
133	Hydrostratigraphy and Hydraulic Characterisation of Shallow Coastal Aquifers, Niger Delta Basin: A Strategy for Groundwater Resource Management. <i>Geosciences (Switzerland)</i> , 2019, 9, 470.	1.0	4
134	Characterization of PM10-Bound Polycyclic Aromatic Hydrocarbons and Associated Carcinogenic Risk in Bangkok, Thailand. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4501.	1.3	4
135	A National Scale Assessment of Temporal Variations in Groundwater Discharge to Rivers: Malawi. <i>American Journal of Water Science and Engineering</i> , 2020, 6, 39.	0.3	4
136	Radiocarbon Data Base: Q&A "An Artificial Intelligence Data File Management Program. <i>Radiocarbon</i> , 1989, 31, 1-6.	0.8	3
137	Isotopic composition of inorganic carbon as an indicator of benzoate degradation by <i>Pseudomonas putida</i> : temperature, growth rate and pH effects. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1316-1320.	0.7	3
138	Frequency-dependent ultrasound-induced transformation in <i>E. coli</i> . <i>Biotechnology Letters</i> , 2014, 36, 2461-2465.	1.1	3
139	National Stable Isotope Baseline for Precipitation in Malawi to Underpin Integrated Water Resources Management. <i>Water (Switzerland)</i> , 2021, 13, 1927.	1.2	3
140	A Beta Test Comparison Between the New Packard 2260 XL and the LKB Quantulus and 1219 SM: Low-Level Radiocarbon and Tritium Determinations. <i>Radiocarbon</i> , 1989, 31, 368-373.	0.8	2
141	Numerical Modeling for Remediation of Contaminated Land and Groundwater. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2003, 71, 729-736.	1.3	2
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