Ian D Clark

List of Publications by Year
in descending order

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61 papers	1,762 citations	270111 25 h-index	325983 40 g-index
61 all docs	61 docs citations	61 times ranked	2067 citing authors

#	Article	IF	Citations
1	Crustal Noble Gas Isotopic Characteristics in Low-Permeability Ordovician Sedimentary Rock, Eastern Flank of the Michigan Basin. ACS Earth and Space Chemistry, 2022, 6, 189-196.	1.2	0
2	CH4 isotopic ordering records ultra-slow hydrocarbon biodegradation in the deep subsurface. Earth and Planetary Science Letters, 2021, 562, 116841.	1.8	15
3	Quantifying natural source zone depletion at petroleum hydrocarbon contaminated sites: A comparison of 14C methods. Journal of Contaminant Hydrology, 2021, 240, 103795.	1.6	4
4	Sources of solutes and carbon cycling in perennially ice-covered Lake Untersee, Antarctica. Scientific Reports, 2020, 10, 12290.	1.6	12
5	Diagenetic evolution of a sedimentary system (Michigan Basin): Insights from petrography and S-isotope micro-analysis of pyrite. Chemical Geology, 2020, 541, 119580.	1.4	10
6	Late Pleistocene and Holocene ice-wedge activity on the Blackstone Plateau, central Yukon, Canada. Quaternary Research, 2019, 91, 179-193.	1.0	26
7	Allochthonous sources of iodine and organic carbon in an eastern Ontario aquifer. Canadian Journal of Earth Sciences, 2019, 56, 209-222.	0.6	4
8	Legacy of Holocene Landscape Changes on Soil Biogeochemistry: A Perspective From Paleoâ€Active Layers in Northwestern Canada. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 2662-2679.	1.3	22
9	The Preparation of Water (DIC, DOC) and Gas (CO₂, CH₄) Samples for Radiocarbon Analysis at AEL-AMS, Ottawa, Canada. Radiocarbon, 2019, 61, 1563-1571.	0.8	18
10	Origin and 87Rbâ€“87Sr age of porewaters in low permeability Ordovician sediments on the eastern flank of the Michigan Basin, Tiverton, Ontario, Canada. Canadian Journal of Earth Sciences, 2019, 56, 201-208.	0.6	3
11	BaCO3 targets produced from dissolved carbonate in groundwater for direct AMS measurement. Nuclear Instruments & Methods in Physics Research B, 2018, 436, 186-190.	0.6	1
12	Molecular and isotopic evaluation of the maturation history of the organic matter in an Ordovician aquiclude (Michigan Basin): Evidence for late diagenetic biodegradation. Organic Geochemistry, 2018, 125, 129-141.	0.9	5
13	First Status Report on Radiocarbon Sample Preparation Techniques at the A.E. Lalonde AMS Laboratory (Ottawa, Canada). Radiocarbon, 2017, 59, 695-704.	0.8	75
14	Hydrology of the North Klondike River: carbon export, water balance and inter-annual climate influences within a sub-alpine permafrost catchment. Isotopes in Environmental and Health Studies, 2017, 53, 500-517.	0.5	7
15	The seasonal fluctuations and accumulation of iodine-129 in relation to the hydrogeochemistry of the Wolf Creek Research Basin, a discontinuous permafrost watershed. Science of the Total Environment, 2016, 569-570, 1212-1223.	3.9	9
16	Rates of Fe(II)-Oxidation and Solubility of Bacteriogenic Iron Oxides. Geomicrobiology Journal, 2016, 33, 237-242.	1.0	10
17	Tululite, Ca14(Fe3+,Al)(Al,Zn,Fe3+,Si,P,Mn,Mg)15O36: a new Ca zincate-aluminate from combustion metamorphic marbles, central Jordan. Mineralogy and Petrology, 2016, 110, 125-140.	0.4	31
18	Intermediate members of the lime-monteponite solid solutions (Ca_{1â^'x}Cd_xO, x) Tj ETQq0 0 0 rgBT /Overlock	0.9	22

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19	The atmospheric transport of iodineâ€129 from <scp>F</scp>ukushima to <scp>B</scp>ritish <scp>C</scp>olumbia, <scp>C</scp>anada and its deposition and transport into groundwater. Water Resources Research, 2015, 51, 9628-9645.	1.7	16
20	Geochemical evolution and residence time of porewater in low-permeability rocks of the Michigan Basin, Southwest Ontario. Chemical Geology, 2015, 404, 1-17.	1.4	30
21	CALCIUM URANIUM OXIDE MINERALS FROM CENTRAL JORDAN: ASSEMBLAGES, CHEMISTRY, AND ALTERATION PRODUCTS. Canadian Mineralogist, 2015, 53, 61-82.	0.3	24
22	Extraction of 129I and 127I via combustion from organic rich samples using 125I as a quantitative tracer. Journal of Environmental Radioactivity, 2014, 138, 323-330.	0.9	12
23	Timing of advance and basal condition of the Laurentide Ice Sheet during the last glacial maximum in the Richardson Mountains, NWT. Quaternary Research, 2013, 80, 274-283.	1.0	37
24	Impacts of hillslope thaw slumps on the geochemistry of permafrost catchments (Stony Creek) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	1.4	83
25	129I dispersion and sources in Northwest Canada. Nuclear Instruments & Methods in Physics Research B, 2013, 294, 552-558.	0.6	6
26	From inns to hotels: the evolution of public houses in Colonial Victoria. International Journal of Contemporary Hospitality Management, 2013, 25, 172-186.	5.3	7
27	Seasonal Changes In Mineralogy, Geochemistry and Microbial Community of Bacteriogenic Iron Oxides (BIOS) Deposited in a Circumneutral Wetland. Geomicrobiology Journal, 2012, 29, 161-172.	1.0	27
28	Regulation of Fe3+-oxide Formation Among Fe2+-oxidizing Bacteria. Geomicrobiology Journal, 2012, 29, 537-543.	1.0	10
29	Microbial and geochemical features suggest iron redox cycling within bacteriogenic iron oxide-rich sediments. Chemical Geology, 2011, 281, 41-51.	1.4	67
30	Geomicrobiology and occluded O2â€“CO2â€“Ar gas analyses provide evidence of microbial respiration in ancient terrestrial ground ice. Earth and Planetary Science Letters, 2011, 306, 46-54.	1.8	27
31	Investigation of iceâ€wedge infilling processes using stable oxygen and hydrogen isotopes, crystallography and occluded gases (O₂, N₂, Ar). Permafrost and Periglacial Processes, 2011, 22, 49-64.	1.5	34
32	Late Quaternary paleoenvironments and growth of intrusive ice in eastern Beringia (Eagle River) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	0.6	9
33	Microbial Diversity in Endostromatolites (cf.Fissure Calcretes) and in the Surrounding Permafrost Landscape, Haughton Impact Structure Region, Devon Island, Canada. Astrobiology, 2009, 9, 807-822.	1.5	17
34	Sorption of Strontium onto Bacteriogenic Iron Oxides. Environmental Science & Technology, 2009, 43, 1008-1014.	4.6	79
35	(Micro)morphological, inorganicâ€“organic isotope geochemisty and microbial populations in endostromatolites (cf. fissure calcretes), Haughton impact structure, Devon Island, Canada: The influence of geochemical pathways on the preservation of isotope biomarkers. Earth and Planetary Science Letters, 2009, 281, 202-214.	1.8	9
36	Strontium desorption from bacteriogenic iron oxides (BIOS) subjected to microbial Fe(III) reduction. Chemical Geology, 2009, 262, 217-228.	1.4	19

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37	Burial and preservation of a 30,000 year old perennial snowbank in Red Creek valley, Ogilvie Mountains, central Yukon, Canada. Quaternary Science Reviews, 2009, 28, 3401-3413.	1.4	22
38	A Comparison of the Rates of Fe(III) Reduction in Synthetic and Bacteriogenic Iron Oxides byShewanella putrefaciensCN32. Geomicrobiology Journal, 2009, 26, 57-70.	1.0	39
39	Distinguishing between vapor- and liquid-formed ground ice in the northern martian regolith and potential for biosignatures preserved in ice bodies. Icarus, 2008, 197, 458-469.	1.1	5
40	â€˜The Comfort of Strangersâ€™: Hospitality on the Victorian Goldfields, 1850â€“1860. Journal of Hospitality and Tourism Management, 2008, 15, 2-7.	3.5	3
41	Acid drainage generation and seasonal recycling in disturbed permafrost near Eagle Plains, northern Yukon Territory, Canada. Chemical Geology, 2007, 243, 157-177.	1.4	25
42	Origin, age, and paleoenvironmental significance of carbonate precipitates from a granitic environment, Akshayuk Pass, southern Baffin Island, Canada. Canadian Journal of Earth Sciences, 2007, 44, 61-79.	0.6	13
43	CO2isotopes as tracers of firn air diffusion and age in an Arctic ice cap with summer melting, Devon Island, Canada. Journal of Geophysical Research, 2007, 112, .	3.3	24
44	Nature and origin of a Pleistocene-age massive ground-ice body exposed in the Chapman Lake moraine Complex, central Yukon Territory, Canada. Quaternary Research, 2007, 68, 249-260.	1.0	36
45	Molar gas ratios of air entrapped in ice: A new tool to determine the origin of relict massive ground ice bodies in permafrost. Quaternary Research, 2007, 68, 239-248.	1.0	27
46	Sleeping with Strangers â€” Hospitality in Colonial Victoria. Journal of Hospitality and Tourism Management, 2006, 13, 1-9.	3.5	6
47	Geochemical and isotopic evidence for a genetic link between Canadian Shield brines, dolomitization in the Western Canada Sedimentary Basin, and Devonian calcium-chloridic seawater. Canadian Journal of Earth Sciences, 2005, 42, 2059-2071.	0.6	29
48	Potassium and boron co-depletion in Canadian Shield brines: evidence for diagenetic interactions between marine brines and basin sediments. Chemical Geology, 2004, 203, 225-236.	1.4	30
49	Stratigraphy and glaciotectonic structures of permafrost deformed beneath the northwest margin of the Laurentide ice sheet, Tuktoyaktuk Coastlands, Canada. Journal of Glaciology, 2004, 50, 399-412.	1.1	58
50	Iodine-129 constraints on residence times of deep marine brines in the Canadian Shield. Geology, 2002, 30, 587.	2.0	37
51	Groundwater Contributions to Discharge in a Permafrost Setting, Big Fish River, N.W.T., Canada. Arctic, Antarctic, and Alpine Research, 2001, 33, 62-69.	0.4	29
52	Recharge and Preservation of Laurentide Glacial Melt Water in the Canadian Shield. Ground Water, 2000, 38, 735-742.	0.7	58
53	Aufeis of the Firth River Basin, Northern Yukon, Canada: Insights into Permafrost Hydrogeology and Karst. Arctic and Alpine Research, 1997, 29, 240.	1.3	71
54	The Maqarin (Jordan) natural analogue for 14C attenuation in cementitious barriers. Waste Management, 1994, 14, 467-477.	3.7	20

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55	An approach to determine the origin and age of massive ice blockages in two arctic caves. Permafrost and Periglacial Processes, 1993, 4, 77-85.	1.5	27
56	Oxygen and hydrogen isotopes in deep thermal waters from the south meager creek geothermal area, british columbia, canada. Geothermics, 1993, 22, 79-89.	1.5	20
57	Recarbonation of metamorphosed marls, Jordan. Applied Geochemistry, 1993, 8, 473-481.	1.4	31
58	Stable isotope disequilibria in travertine from high pH waters: Laboratory investigations and field observations from Oman. Geochimica Et Cosmochimica Acta, 1992, 56, 2041-2050.	1.6	123
59	Kinetic enrichment of stable isotopes in cryogenic calcites. Chemical Geology, 1992, 102, 217-228.	1.4	100
60	Paleoclimatic Reconstruction in Northern Oman Based on Carbonates from Hyperalkaline Groundwaters. Quaternary Research, 1990, 33, 320-336.	1.0	136
61	Geochemistry and isotope hydrogeology of the Mount Edziza â€“ Mess Creek geothermal area. Canadian Journal of Earth Sciences, 1989, 26, 1160-1171.	0.6	6