

# Brian Jones

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8659456/publications.pdf>

Version: 2024-02-01

186  
papers

6,455  
citations

50276

46  
h-index

95266

68  
g-index

190  
all docs

190  
docs citations

190  
times ranked

3872  
citing authors

#	ARTICLE	IF	CITATIONS
1	Geochemistry of brachiopods: Oxygen and carbon isotopic records of Paleozoic oceans. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 1679-1696.	3.9	320
2	Absolute depths of Silurian benthic assemblages. <i>Lethaia</i> , 1993, 26, 25-40.	1.4	148
3	Rapid in situ silicification of microbes at Loburu hot springs, Lake Bogoria, Kenya Rift Valley. <i>Sedimentology</i> , 1998, 45, 1083-1103.	3.1	144
4	Microbial biofacies in hot-spring sinters; a model based on Ohaaki Pool, North Island, New Zealand. <i>Journal of Sedimentary Research</i> , 1998, 68, 413-434.	1.6	132
5	The Microbial Role in Hot Spring Silicification. <i>Ambio</i> , 2004, 33, 552-558.	5.5	131
6	Hot spring sinters: keys to understanding Earth's earliest life forms. <i>Canadian Journal of Earth Sciences</i> , 2003, 40, 1713-1724.	1.3	124
7	Comparison of the Quaternary travertine sites in the Denizli extensional basin based on their depositional and geochemical data. <i>Sedimentary Geology</i> , 2013, 294, 179-204.	2.1	119
8	Discovery of a submerged relic reef and shoreline off Grand Cayman: further support for an early Holocene jump in sea level. <i>Sedimentary Geology</i> , 2002, 147, 253-270.	2.1	115
9	Chapter 4 Calcareous Spring Deposits in Continental Settings. <i>Developments in Sedimentology</i> , 2010, , 177-224.	0.5	99
10	Hot spring and geyser sinters: the integrated product of precipitation, replacement, and deposition. <i>Canadian Journal of Earth Sciences</i> , 2003, 40, 1549-1569.	1.3	98
11	Microstructural changes accompanying the opal-A to opal-CT transition: new evidence from the siliceous sinters of Geysir, Haukadalur, Iceland. <i>Sedimentology</i> , 2007, 54, 921-948.	3.1	87
12	Abiotic versus biotic controls on the development of the Fairmont Hot Springs carbonate deposit, British Columbia, Canada. <i>Sedimentology</i> , 2009, 56, 1832-1857.	3.1	87
13	Controls on aragonite and calcite precipitation in hot spring travertines at Chemurkeu, Lake Bogoria, Kenya. <i>Canadian Journal of Earth Sciences</i> , 1997, 34, 801-818.	1.3	84
14	Formation of silica oncoids around geysers and hot springs at El Tatio, northern Chile. <i>Sedimentology</i> , 1997, 44, 287-304.	3.1	84
15	Review of calcium carbonate polymorph precipitation in spring systems. <i>Sedimentary Geology</i> , 2017, 353, 64-75.	2.1	83
16	Influence of thermophilic bacteria on calcite and silica precipitation in hot springs with water temperatures above 90 °C: evidence from Kenya and New Zealand. <i>Canadian Journal of Earth Sciences</i> , 1996, 33, 72-83.	1.3	77
17	Microbial Activity in Caves—A Geological Perspective. <i>Geomicrobiology Journal</i> , 2001, 18, 345-357.	2.0	77
18	Impact of lake level changes on the formation of thermogene travertine in continental rifts: Evidence from Lake Bogoria, Kenya Rift Valley. <i>Sedimentology</i> , 2013, 60, 428-468.	3.1	77

#	ARTICLE	IF	CITATIONS
19	Hurricane control on shelf-edge-reef architecture around Grand Cayman. <i>Sedimentology</i> , 1997, 44, 479-506.	3.1	76
20	What is a hot spring?. <i>Canadian Journal of Earth Sciences</i> , 2003, 40, 1443-1446.	1.3	75
21	Microscopic calcite dendrites in cold-water tufa: implications for nucleation of micrite and cement. <i>Sedimentology</i> , 2005, 52, 1043-1066.	3.1	74
22	Sublacustrine precipitation of hydrothermal silica in rift lakes: evidence from Lake Baringo, central Kenya Rift Valley. <i>Sedimentary Geology</i> , 2002, 148, 235-257.	2.1	73
23	Sea-level highstands over the last 500,000 years; evidence from the Ironshore Formation on Grand Cayman, British West Indies. <i>Journal of Sedimentary Research</i> , 1999, 69, 317-327.	1.6	71
24	Discovery of active hydrothermal venting in Lake Taupo, New Zealand. <i>Journal of Volcanology and Geothermal Research</i> , 2002, 115, 257-275.	2.1	70
25	Geothermal diatoms: a comparative study of floras in hot spring systems of Iceland, New Zealand, and Kenya. <i>Hydrobiologia</i> , 2008, 610, 175-192.	2.0	69
26	Review of aragonite and calcite crystal morphogenesis in thermal spring systems. <i>Sedimentary Geology</i> , 2017, 354, 9-23.	2.1	69
27	Biogenicity of gold- and silver-bearing siliceous sinters forming in hot (75Å°C) anaerobic spring-waters of Champagne Pool, Waiotapu, North Island, New Zealand. <i>Journal of the Geological Society</i> , 2001, 158, 895-911.	2.1	63
28	Morphology and growth of aragonite crystals in hot-spring travertines at Lake Bogoria, Kenya Rift Valley. <i>Sedimentology</i> , 1996, 43, 323-340.	3.1	61
29	Microbial silicification in Iodine Pool, Waimangu geothermal area, North Island, New Zealand: implications for recognition and identification of ancient silicified microbes. <i>Journal of the Geological Society</i> , 2004, 161, 983-993.	2.1	61
30	Sex specific impact of perinatal bisphenol A (BPA) exposure over a range of orally administered doses on rat hypothalamic sexual differentiation. <i>NeuroToxicology</i> , 2013, 36, 55-62.	3.0	60
31	Crystal fabrics and microbiota in large pisoliths from Laguna Pastos Grandes, Bolivia. <i>Sedimentology</i> , 1994, 41, 1171-1202.	3.1	58
32	Vertical Zonation of Biota in Microstromatolites Associated with Hot Springs, North Island, New Zealand. <i>Palaios</i> , 1997, 12, 220.	1.3	58
33	Mineralized microbes from Giggenbach submarine volcano. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	58
34	Paleosalinity and dolomitization of a Lower Paleozoic carbonate sequence, Somerset and Prince of Wales Islands, Arctic Canada. <i>Canadian Journal of Earth Sciences</i> , 1978, 15, 1448-1461.	1.3	56
35	Cyclic development of large, complex, calcite dendrite crystals in the Clinton travertine, Interior British Columbia, Canada. <i>Sedimentary Geology</i> , 2008, 203, 17-35.	2.1	55
36	Amorphous calcium carbonate associated with biofilms in hot spring deposits. <i>Sedimentary Geology</i> , 2012, 269-270, 58-68.	2.1	55

#	ARTICLE	IF	CITATIONS
37	Primary Silica Oncoids from Orakeikorako Hot Springs, North Island, New Zealand. <i>Palaios</i> , 1996, 11, 446.	1.3	54
38	Actively growing siliceous oncoids in the Waiotapu geothermal area, North Island, New Zealand. <i>Journal of the Geological Society</i> , 1999, 156, 89-103.	2.1	53
39	Water Content of Opal-A: Implications for the Origin of Laminae in Geyserite and Sinter. <i>Journal of Sedimentary Research</i> , 2004, 74, 117-128.	1.6	52
40	Mineralogy and origin of rhizoliths on the margins of saline, alkaline Lake Bogoria, Kenya Rift Valley. <i>Sedimentary Geology</i> , 2008, 203, 143-163.	2.1	52
41	Pleistocene paleogeography and sea levels on the Cayman Islands, British West Indies. <i>Coral Reefs</i> , 1990, 9, 81-91.	2.2	51
42	The role of fungi in the diagenetic alteration of spar calcite. <i>Canadian Journal of Earth Sciences</i> , 1987, 24, 903-914.	1.3	50
43	Highstands during Marine Isotope Stage 5: evidence from the Ironshore Formation of Grand Cayman, British West Indies. <i>Quaternary Science Reviews</i> , 2007, 26, 536-559.	3.0	50
44	Microbes in caves: agents of calcite corrosion and precipitation. <i>Geological Society Special Publication</i> , 2010, 336, 7-30.	1.3	50
45	Distribution and interpretation of rare earth elements and yttrium in Cenozoic dolostones and limestones on Cayman Brac, British West Indies. <i>Sedimentary Geology</i> , 2013, 284-285, 26-38.	2.1	50
46	Origin of 'island dolostones': A case study from the Cayman Formation (Miocene), Cayman Brac, British West Indies. <i>Sedimentary Geology</i> , 2012, 243-244, 191-206.	2.1	48
47	High-temperature (>90°C) calcite precipitation at Waikite Hot Springs, North Island, New Zealand. <i>Journal of the Geological Society</i> , 1996, 153, 481-496.	2.1	47
48	Dolostones from Grand Cayman, British West Indies. <i>Journal of Sedimentary Research</i> , 2002, 72, 559-569.	1.6	46
49	Variations in Water Content in Opal-A and Opal-CT from Geyser Discharge Aprons. <i>Journal of Sedimentary Research</i> , 2008, 78, 301-315.	1.6	46
50	Biogenic structures and micrite in stalactites from Grand Cayman Island, British West Indies. <i>Canadian Journal of Earth Sciences</i> , 1987, 24, 1402-1411.	1.3	45
51	Signatures of biologically influenced CaCo <sub>3</sub> and Mg-Fe silicate precipitation in hot springs: Case study from the Ruidian geothermal area, western Yunnan Province, China. <i>Sedimentology</i> , 2014, 61, 56-89.	3.1	45
52	Boring of various faunal elements in the Oligocene-Miocene Bluff Formation of Grand Cayman, British West Indies. <i>Journal of Paleontology</i> , 1988, 62, 348-367.	0.8	44
53	The role of microorganisms in phytokarst development on dolostones and limestones, Grand Cayman, British West Indies. <i>Canadian Journal of Earth Sciences</i> , 1989, 26, 2204-2213.	1.3	43
54	Selective mineralization of microbes in Fe-rich precipitates (jarosite, hydrous ferric oxides) from acid hot springs in the Waiotapu geothermal area, North Island, New Zealand. <i>Sedimentary Geology</i> , 2007, 194, 77-98.	2.1	43

#	ARTICLE	IF	CITATIONS
55	Calcite rafts, peloids, and micrite in cave deposits from Cayman Brae, British West Indies. <i>Canadian Journal of Earth Sciences</i> , 1989, 26, 654-664.	1.3	42
56	Microbes and mineral precipitation, Miette Hot Springs, Jasper National Park, Alberta, Canada. <i>Canadian Journal of Earth Sciences</i> , 2003, 40, 1483-1500.	1.3	42
57	Evolution and development of Miocene "island dolostones" on Xisha Islands, South China Sea. <i>Marine Geology</i> , 2018, 406, 142-158.	2.1	42
58	Corals to Rhodolites to Microbialites: A Community Replacement Sequence Indicative of Regressive Conditions. <i>Palaios</i> , 1991, 6, 54.	1.3	41
59	Epiphyte communities on <i>Thalassia testudinum</i> from Grand Cayman, British West Indies: Their composition, structure, and contribution to lagoonal sediments. <i>Sedimentary Geology</i> , 2007, 194, 245-262.	2.1	40
60	The alteration of sparry calcite crystals in a vadose setting, Grand Cayman Island. <i>Canadian Journal of Earth Sciences</i> , 1987, 24, 2292-2304.	1.3	39
61	Void-filling deposits in karst terrains of isolated oceanic islands: a case study from Tertiary carbonates of the Cayman Islands. <i>Sedimentology</i> , 1992, 39, 857-876.	3.1	39
62	Dolomitization of the Oligocene "Miocene Bluff Formation on Grand Cayman, British West Indies. <i>Canadian Journal of Earth Sciences</i> , 1990, 27, 1098-1110.	1.3	38
63	Dolomite Crystal Architecture: Genetic Implications for the Origin of the Tertiary Dolostones of the Cayman Islands. <i>Journal of Sedimentary Research</i> , 2005, 75, 177-189.	1.6	38
64	Lithophaga Borings and Their Influence on the Diagenesis of Corals in the Pleistocene Ironshore Formation of Grand Cayman Island, British West Indies. <i>Palaios</i> , 1988, 3, 3.	1.3	37
65	Petrography and genesis of spicular and columnar geyselite from the Whakarewarewa and Orakeikorako geothermal areas, North Island, New Zealand. <i>Canadian Journal of Earth Sciences</i> , 2003, 40, 1585-1610.	1.3	37
66	Sedimentology and Ichnology of a Pleistocene Unconformity-Bounded, Shallowing-Upward Carbonate Sequence: The Ironshore Formation, Salt Creek, Grand Cayman. <i>Palaios</i> , 1989, 4, 343.	1.3	36
67	Diatom-mediated barite precipitation in microbial mats calcifying at Stinking Springs, a warm sulphur spring system in Northwestern Utah, USA. <i>Sedimentary Geology</i> , 2007, 194, 223-244.	2.1	36
68	Genesis of terrestrial oncoids, Cayman Islands, British West Indies. <i>Canadian Journal of Earth Sciences</i> , 1991, 28, 382-397.	1.3	35
69	Bacterial S-layer preservation and rare arsenic "antimony" sulphide bioimmobilization in siliceous sediments from Champagne Pool hot spring, Waiotapu, New Zealand. <i>Journal of the Geological Society</i> , 2005, 162, 323-331.	2.1	35
70	Cave Pearls--The Integrated Product of Abiogenic and Biogenic Processes. <i>Journal of Sedimentary Research</i> , 2009, 79, 689-710.	1.6	35
71	Carbonate sediment transport pathways based on foraminifera: case study from Frank Sound, Grand Cayman, British West Indies. <i>Sedimentology</i> , 1998, 45, 109-120.	3.1	34
72	Calcite lily pads and ledges at Lorusio Hot Springs, Kenya Rift Valley: travertine precipitation at the air-water interface. <i>Canadian Journal of Earth Sciences</i> , 1999, 36, 649-666.	1.3	34

#	ARTICLE	IF	CITATIONS
73	Patterns of biomediated CaCO <sub>3</sub> crystal bushes in hot spring deposits. <i>Sedimentary Geology</i> , 2013, 294, 105-117.	2.1	34
74	Siliceous sublacustrine spring deposits around hydrothermal vents in Lake Taupo, New Zealand. <i>Journal of the Geological Society</i> , 2007, 164, 227-242.	2.1	33
75	Genesis of fabric-destructive dolostones: A case study of the Brac Formation (Oligocene), Cayman Brac, British West Indies. <i>Sedimentary Geology</i> , 2012, 267-268, 36-54.	2.1	33
76	Dolomitization of the Pedro Castle Formation (Pliocene), Cayman Brac, British West Indies. <i>Sedimentary Geology</i> , 2003, 162, 219-238.	2.1	32
77	Inside-Out Dolomite. <i>Journal of Sedimentary Research</i> , 2007, 77, 539-551.	1.6	32
78	Temporal and environmental significance of microbial lamination: Insights from Recent fluvial stromatolites in the River Piedra, Spain. <i>Sedimentology</i> , 2017, 64, 1597-1629.	3.1	32
79	Open and filled karst features on the Cayman Islands: implications for the recognition of paleokarst. <i>Canadian Journal of Earth Sciences</i> , 1988, 25, 1277-1291.	1.3	31
80	Rapid cold water formation and recrystallization of relict bryophyte tufa at the Fall Creek cold springs, Alberta, Canada. <i>Canadian Journal of Earth Sciences</i> , 2007, 44, 889-909.	1.3	31
81	Biogenicity of terrestrial oncoids formed in soil pockets, Cayman Brac, British West Indies. <i>Sedimentary Geology</i> , 2011, 236, 95-108.	2.1	31
82	Intrinsic versus extrinsic controls on the development of calcite dendrite bushes, Shuzhishi Spring, Rehai geothermal area, Tengchong, Yunnan Province, China. <i>Sedimentary Geology</i> , 2012, 249-250, 45-62.	2.1	31
83	Spatial variations in the stoichiometry and geochemistry of Miocene dolomite from Grand Cayman: Implications for the origin of island dolostone. <i>Sedimentary Geology</i> , 2017, 348, 69-93.	2.1	31
84	Geology of the Cayman Islands. <i>Monographiae Biologicae</i> , 1994, , 13-49.	0.1	31
85	The reflectance spectra of opal-A (0.5-25 µm) from the Taupo Volcanic Zone: Spectra that may identify hydrothermal systems on planetary surfaces. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	30
86	Growth patterns and implications of complex dendrites in calcite travertines from Lysuholl, Snaefellsnes, Iceland. <i>Sedimentology</i> , 2005, 52, 050929022449001-???	3.1	29
87	Mineralogical, crystallographic, and isotopic constraints on the precipitation of aragonite and calcite at Shiqiang and other hot springs in Yunnan Province, China. <i>Sedimentary Geology</i> , 2016, 345, 103-125.	2.1	29
88	Sequence stratigraphy of a Late Devonian ramp-situated reef system in the Western Canada Sedimentary Basin: dynamic responses to sea-level change and regressive reef development. <i>Sedimentology</i> , 2006, 53, 321-359.	3.1	28
89	Speleothems in a wave-cut notch, Cayman Brac, British West Indies: The integrated product of subaerial precipitation, dissolution, and microbes. <i>Sedimentary Geology</i> , 2010, 232, 15-34.	2.1	28
90	Genesis of island dolostones. <i>Sedimentology</i> , 2018, 65, 2003-2033.	3.1	28

#	ARTICLE	IF	CITATIONS
91	Evolution of an isolated carbonate bank during Oligocene, Miocene and Pliocene times, Cayman Brac, British west Indies. <i>Facies</i> , 1994, 30, 25-50.	1.4	27
92	The geological history of Geysir, Iceland: a tephrochronological approach to the dating of sinter. <i>Journal of the Geological Society</i> , 2007, 164, 1241-1252.	2.1	26
93	Controls on the precipitation of barite (BaSO <sub>4</sub> ) crystals in calcite travertine at Twitya Spring, a warm sulphur spring in Canada's Northwest Territories. <i>Sedimentary Geology</i> , 2008, 203, 36-53.	2.1	26
94	Hot spring deposits on a cliff face: A case study from Jifei, Yunnan Province, China. <i>Sedimentary Geology</i> , 2014, 302, 1-28.	2.1	26
95	Diagenetic overprint on negative $\delta^{13}C$ excursions across the Permian/Triassic boundary: A case study from Meishan section, China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 468, 18-33.	2.3	26
96	Sedimentology of hot spring systems. <i>Canadian Journal of Earth Sciences</i> , 2003, 40, 1439-1442.	1.3	24
97	Relict tufa at Miette Hot Springs, Jasper National Park, Alberta, Canada. <i>Canadian Journal of Earth Sciences</i> , 2003, 40, 1459-1481.	1.3	24
98	Rapid precipitation of silica (opal-A) disguises evidence of biogenicity in high-temperature geothermal deposits: Case study from Dagunguo hot spring, China. <i>Sedimentary Geology</i> , 2012, 257-260, 45-62.	2.1	24
99	The preferential association of dolomite with microbes in stalactites from Cayman Brac, British West Indies. <i>Sedimentary Geology</i> , 2010, 226, 94-109.	2.1	23
100	The geological significance of endolithic algae in glass. <i>Canadian Journal of Earth Sciences</i> , 1982, 19, 671-678.	1.3	22
101	Caymanite, a cavity-filling deposit in the Oligocene-Miocene Bluff Formation of the Cayman Islands. <i>Canadian Journal of Earth Sciences</i> , 1992, 29, 720-736.	1.3	22
102	Hydrogeology of Grand Cayman, British West Indies: a karstic dolostone aquifer. <i>Journal of Hydrology</i> , 1992, 134, 273-295.	5.4	22
103	The influence of <i>Trypanites</i> in the diagenesis of Devonian stromatoporoids. <i>Journal of Paleontology</i> , 1988, 62, 22-31.	0.8	21
104	Taxonomic fidelity of silicified filamentous microbes from hot-spring systems in the Taupo Volcanic Zone, North Island, New Zealand. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 2003, 94, 475-483.	0.7	21
105	Genesis of large siliceous stromatolites at Frying Pan Lake, Waimangu geothermal field, North Island, New Zealand. <i>Sedimentology</i> , 2005, 52, 051007015015001-???	3.1	21
106	Phosphatic precipitates associated with actinomycetes in speleothems from Grand Cayman, British West Indies. <i>Sedimentary Geology</i> , 2009, 219, 302-317.	2.1	21
107	Lacustrine stromatolites: Useful structures for environmental interpretation – an example from the Miocene Ebro Basin. <i>Sedimentology</i> , 2019, 66, 2098-2133.	3.1	21
108	Hydrogeochemistry of Grand Cayman, British West Indies: implications for carbonate diagenetic studies. <i>Journal of Hydrology</i> , 1995, 164, 193-216.	5.4	20



#	ARTICLE	IF	CITATIONS
109	Evaluation of carbonate diagenesis: A comparative study of minor elements, trace elements, and rare-earth elements (REE+Y) between Pleistocene corals and matrices from Grand Cayman, British West Indies. <i>Sedimentary Geology</i> , 2014, 314, 31-46.	2.1	20
110	Cenozoic temperate and subtropical carbonate sedimentation on an oceanic volcano "Chatham Islands, New Zealand. <i>Sedimentology</i> , 2011, 58, 1007-1029.	3.1	19
111	Role of Fungi in the Formation of Siliceous Coated Grains, Waiotapu Geothermal Area, North Island, New Zealand. <i>Palaios</i> , 1999, 14, 475.	1.3	18
112	Temporal and spatial variations in the diagenetic fabrics and stable isotopes of Pleistocene corals from the Ironshore Formation of Grand Cayman, British West Indies. <i>Sedimentary Geology</i> , 2013, 286-287, 58-72.	2.1	18
113	Cyanobacterial diversity and related sedimentary facies as a function of water flow conditions: Example from the Monasterio de Piedra Natural Park (Spain). <i>Sedimentary Geology</i> , 2016, 337, 12-28.	2.1	18
114	Stratigraphy and sedimentology of Upper Silurian rocks, northern Somerset Island, Arctic Canada. <i>Canadian Journal of Earth Sciences</i> , 1977, 14, 1427-1452.	1.3	16
115	Calcareous crusts on exposed Pleistocene limestones: A case study from Grand Cayman, British West Indies. <i>Sedimentary Geology</i> , 2014, 299, 88-105.	2.1	16
116	Island dolostones: Genesis by time-transgressive or event dolomitization. <i>Sedimentary Geology</i> , 2019, 390, 15-30.	2.1	16
117	Diagenetic processes associated with unconformities in carbonate successions on isolated oceanic islands: Case study of the Pliocene to Pleistocene sequence, Little Cayman, British West Indies. <i>Sedimentary Geology</i> , 2019, 386, 9-30.	2.1	16
118	Hydrothermal Environments, Terrestrial. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 467-479.	0.1	16
119	FOSSIL HOT-SPRING TRAVERTINE IN THE TURKANA BASIN, NORTHERN KENYA: STRUCTURE, FACIES, AND GENESIS. , 2002, , 123-141.		16
120	Manganese precipitates in the karst terrain of Grand Cayman, British West Indies. <i>Canadian Journal of Earth Sciences</i> , 1992, 29, 1125-1139.	1.3	15
121	Heterogeneous diagenetic patterns in the Pleistocene Ironshore Formation of Grand Cayman, British West Indies. <i>Sedimentary Geology</i> , 2013, 294, 251-265.	2.1	15
122	Growth and development of spring towers at Shiqiang, Yunnan Province, China. <i>Sedimentary Geology</i> , 2017, 347, 183-209.	2.1	15
123	Microarchitecture of dolomite crystals as revealed by subtle variations in solubility: Implications for dolomitization. <i>Sedimentary Geology</i> , 2013, 288, 66-80.	2.1	14
124	The Leopold Formation: An Upper Silurian Intertidal/Supratidal Carbonate Succession on Northeastern Somerset Island, Arctic Canada. <i>Canadian Journal of Earth Sciences</i> , 1975, 12, 395-411.	1.3	13
125	Barite (BaSO <sub>4</sub> ) biomineralization at Flybye Springs, a cold sulphur spring system in Canada's Northwest Territories. <i>Canadian Journal of Earth Sciences</i> , 2007, 44, 835-856.	1.3	13
126	Petrography and textural development of inorganic and biogenic lithotypes in a relict barite tufa deposit at Flybye Springs, NT, Canada. <i>Sedimentology</i> , 2008, 55, 275-303.	3.1	13



#	ARTICLE	IF	CITATIONS
127	Preferential soft-tissue preservation in the Hot Creek carbonate spring deposit, British Columbia, Canada. <i>Sedimentary Geology</i> , 2010, 227, 20-36.	2.1	12
128	Facies architecture in depositional systems resulting from the interaction of acidic springs, alkaline springs, and acidic lakes: case study of Lake Roto-a-Tamaheke, Rotorua, New Zealand. <i>Canadian Journal of Earth Sciences</i> , 2012, 49, 1217-1250.	1.3	12
129	Multiphase calcification associated with the atmophytic cyanobacterium <i>Scytonema julianum</i> . <i>Sedimentary Geology</i> , 2014, 313, 91-104.	2.1	12
130	Laminae development in opal-A precipitates associated with seasonal growth of the form-genus <i>Calothrix</i> (Cyanobacteria), Rehai geothermal area, Tengchong, Yunnan Province, China. <i>Sedimentary Geology</i> , 2015, 319, 52-68.	2.1	12
131	Siliceous sinters in thermal spring systems: Review of their mineralogy, diagenesis, and fabrics. <i>Sedimentary Geology</i> , 2021, 413, 105820.	2.1	12
132	<i>Proconchidium</i> from Late Ordovician strata of Brodeur Peninsula, Baffin Island, Arctic Canada. <i>Journal of Paleontology</i> , 1989, 63, 25-33.	0.8	11
133	Diagenesis in limestone-dolostone successions after 1 million years of rapid sea-level fluctuations: A case study from Grand Cayman, British West Indies. <i>Sedimentary Geology</i> , 2016, 342, 15-30.	2.1	11
134	Stromatoporoid growth forms and Devonian reef fabrics in the Upper Devonian Alexandra Reef System, Canada – Insight on the challenges of applying Devonian reef facies models. <i>Sedimentology</i> , 2016, 63, 1425-1457.	3.1	11
135	Comment on “First records of syn-diagenetic non-tectonic folding in Quaternary thermogene travertines caused by hydrothermal incremental veining” by Billi et al. <i>Tectonophysics</i> 700–701 (2017) 60–79. <i>Tectonophysics</i> , 2017, 721, 491-500.	2.2	11
136	Growth and development of notch speleothems from Cayman Brac, British West Indies: Response to variable climatic conditions over the last 125,000 years. <i>Sedimentary Geology</i> , 2018, 373, 210-227.	2.1	11
137	Deciphering the impact of sea-level changes and tectonic movement on erosional sequence boundaries in carbonate successions: A case study from Tertiary strata on Grand Cayman and Cayman Brac, British West Indies. <i>Sedimentary Geology</i> , 2014, 305, 17-34.	2.1	10
138	Cave-fills in Miocene–Pliocene strata on Cayman Brac, British West Indies: Implications for the geological evolution of an isolated oceanic island. <i>Sedimentary Geology</i> , 2016, 341, 70-95.	2.1	10
139	The influence of paleogeography in epicontinental seas: A case study based on Middle Devonian strata from the MacKenzie Basin, Northwest Territories, Canada. <i>Sedimentary Geology</i> , 2011, 239, 199-216.	2.1	9
140	Petrographic and geochemical features of sinkhole-filling deposits associated with an erosional unconformity on Grand Cayman. <i>Sedimentary Geology</i> , 2015, 315, 64-82.	2.1	9
141	Modern Travertine Precipitation At L�uh�ll Hot Springs, Sn�fellnes, Iceland: Implications For Calcite Crystal Growth. <i>Journal of Sedimentary Research</i> , 2017, 87, 1121-1142.	1.6	9
142	Temperature regimes during formation of Miocene island dolostones as determined by clumped isotope thermometry: Xisha Islands, South China Sea. <i>Sedimentary Geology</i> , 2022, 429, 106079.	2.1	9
143	Chapter 12 Diagenetic Processes Associated With Plant Roots and Microorganisms in Karst Terrains of the Cayman Islands, British West Indies. <i>Developments in Sedimentology</i> , 1994, 51, 425-475.	0.5	8
144	Life cycle of a geyser discharge apron: Evidence from Waikite Geyser, Whakarewarewa geothermal area, North Island, New Zealand. <i>Sedimentary Geology</i> , 2011, 236, 77-94.	2.1	8

#	ARTICLE	IF	CITATIONS
145	Ongoing, long-term evolution of an unconformity that originated as a karstic surface in the Late Miocene: A case study from the Cayman Islands, British West Indies. <i>Sedimentary Geology</i> , 2015, 322, 1-18.	2.1	8
146	Rare earth elements in dolostones and limestones from the Mesoproterozoic Gaoyuzhuang Formation, North China: Implications for penecontemporaneous dolomitization. <i>Journal of Asian Earth Sciences</i> , 2020, 196, 104374.	2.3	8
147	Formation, dispersion and accumulation of terra rossa on the Cayman Islands. <i>Sedimentology</i> , 2021, 68, 1964-2008.	3.1	8
148	Dolomitization micro-conditions constraint on dolomite stoichiometry: A case study from the Miocene Huangliu Formation, Xisha Islands, South China Sea. <i>Marine and Petroleum Geology</i> , 2021, 133, 105286.	3.3	8
149	The role of contemporaneous faulting on Late Silurian sedimentation in the eastern M'Clintock Basin, Prince of Wales Island, Arctic Canada. <i>Canadian Journal of Earth Sciences</i> , 1986, 23, 1401-1411.	1.3	7
150	Tunicate spicules and their syntaxial overgrowths: examples from the Pleistocene Ironshore Formation, Grand Cayman, British West Indies. <i>Canadian Journal of Earth Sciences</i> , 1990, 27, 525-532.	1.3	7
151	Processes Associated with Microbial Biofilms in the Twilight Zone of Caves: Examples from the Cayman Islands. <i>Journal of Sedimentary Research</i> , 1995, Vol. 65A, .	1.6	7
152	Ecological controls on Devonian stromatoporoid-dominated and coral-dominated reef growth in the Mackenzie Basin, Northwest Territories, Canada. <i>Canadian Journal of Earth Sciences</i> , 2011, 48, 1543-1560.	1.3	7
153	Characteristics of primary rare earth elements and yttrium in carbonate rocks from the Mesoproterozoic Gaoyuzhuang Formation, North China: Implications for the depositional system. <i>Sedimentary Geology</i> , 2021, 415, 105864.	2.1	7
154	Hot Springs and Geysers. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 447-451.	0.1	7
155	Sinter. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 808-813.	0.1	7
156	Application of image analysis for delineating modern carbonate facies changes through time: Grand Cayman, western Caribbean Sea. <i>Marine Geology</i> , 1991, 96, 85-101.	2.1	6
157	Insights into sea surface temperatures from the Cayman Islands from corals over the last ~540 years. <i>Sedimentary Geology</i> , 2019, 389, 218-240.	2.1	6
158	On the efficacy and limitations of isolated carbonate platforms as "oceanic dipsticks" to reconstruct subsidence histories, a case study from the Paleogene to Neogene strata on Grand Cayman and Cayman Brac, B.W.I.. <i>Marine Geology</i> , 2021, 436, 106470.	2.1	6
159	Microbial Sediments in Tropical Karst Terrains: A Model Based on the Cayman Islands. , 2000, , 171-178.		6
160	Nutrient-Gradient Controls On Devonian Reefs: Insight From The Ramp-Situated Alexandra Reef System (Frasnian), Northwest Territories, Canada. , 2011, , 271-289.		6
161	Syntaxial Overgrowths on Dolomite Crystals in the Bluff Formation, Grand Cayman, British West Indies. <i>Journal of Sedimentary Research</i> , 1989, Vol. 59, .	1.6	5
162	New brachiopod genera from Bird Fiord Formation (Devonian), arctic Canada. <i>Journal of Paleontology</i> , 2002, 76, 648-658.	0.8	5

#	ARTICLE	IF	CITATIONS
163	Microbial fabrics of geysers around hot spring pools in Daggyai, Tibet, China. <i>Terra Nova</i> , 2020, 32, 355-368.	2.1	5
164	Environmental controls on the distribution of <i>Atrypoides</i> species in Upper Silurian strata of arctic Canada. <i>Canadian Journal of Earth Sciences</i> , 1984, 21, 131-144.	1.3	4
165	Neogene echinoids from the Cayman Islands, West Indies: regional implications. <i>Geological Journal</i> , 2016, 51, 864-879.	1.3	4
166	Diagenesis in Pleistocene (80 to 500 ka) corals from the Ironshore Formation: Implications for paleoclimate reconstruction. <i>Sedimentary Geology</i> , 2020, 399, 105615.	2.1	4
167	The influence of <i>Trypanites</i> in the diagenesis of Devonian stromatoporoids. <i>Journal of Paleontology</i> , 1988, 62, 22-31.	0.8	4
168	<i>Atrypoides</i> species from the Canadian Arctic islands. <i>Canadian Journal of Earth Sciences</i> , 1981, 18, 1539-1561.	1.3	3
169	Stochastic analysis of complex lithological successions. <i>Journal of the International Association for Mathematical Geology</i> , 1982, 14, 405-417.	0.8	3
170	Construction of Spar Calcite Crystals Around Spores. <i>Journal of Sedimentary Research</i> , 1992, Vol. 62, .	1.6	3
171	Middle Devonian brachiopods from the Bird Fiord Formation, Arctic Canada. <i>Journal of Paleontology</i> , 2003, 77, 243-266.	0.8	3
172	Geology and Hydrogeology of the Cayman Islands. <i>Developments in Sedimentology</i> , 2004, 54, 299-326.	0.5	3
173	The use of <i>Microcodium</i> to identify a paraconformity: An example from the Paleogene sequence of Malatya Basin (eastern Turkey). <i>Sedimentary Geology</i> , 2019, 380, 83-93.	2.1	3
174	Recycled insular phosphates and coated grains: Case study from Little Cayman, British West Indies. <i>Sedimentology</i> , 2020, 67, 1844-1878.	3.1	3
175	A 6000-year record of environmental change from Grand Cayman, British West Indies. <i>Sedimentary Geology</i> , 2020, 409, 105779.	2.1	3
176	<i>Atrypoides</i> zonation of the Upper Silurian Read Bay Formation of Somerset and Cornwallis Islands, Arctic Canada. <i>Canadian Journal of Earth Sciences</i> , 1979, 16, 2204-2218.	1.3	2
177	Sedimentology and diagenesis of Upper Mississippian to Lower Permian strata, Talbot Lake area, Jasper National Park, Alberta. <i>Canadian Journal of Earth Sciences</i> , 1989, 26, 275-295.	1.3	2
178	Communities and paleoecology of Eifelian (mid-Devonian) brachiopods from the Bird Fiord Formation of Arctic Canada. <i>Canadian Journal of Earth Sciences</i> , 2002, 39, 1485-1503.	1.3	2
179	MIDDLE DEVONIAN BRACHIOPODS FROM THE BIRD FIORD FORMATION, ARCTIC CANADA. <i>Journal of Paleontology</i> , 2003, 77, 243-266.	0.8	2
180	Multifaceted incremental growth of a geyser discharge apron – Evidence from Geysir, Haukadalur, Iceland. <i>Sedimentary Geology</i> , 2021, 419, 105905.	2.1	2

#	ARTICLE	IF	CITATIONS
181	Microbial Silicification – Bacteria (or Passive). Encyclopedia of Earth Sciences Series, 2011, , 608-614.	0.1	2
182	Modern authigenic amorphous and crystalline iron oxyhydroxides in subsurface Ordovician dolostones (Jinan, North China Block): Biomineralization and crystal morphology. Sedimentary Geology, 2021, 426, 106044.	2.1	2
183	Anatomy of an Upper Silurian transgressive–regressive cycle, Prince of Wales Island, Arctic Canada. Canadian Journal of Earth Sciences, 1995, 32, 24-36.	1.3	1
184	Ovummuridae (calcareous microfossils) from a Late Devonian ramp: their distribution, preservation potential, and paleoecological significance. Canadian Journal of Earth Sciences, 2006, 43, 269-280.	1.3	1
185	Brachiopods from Bird Fiord Formation (Devonian) of Arctic Canada. Canadian Journal of Earth Sciences, 2007, 44, 1291-1311.	1.3	1
186	Cs enrichment controlled by microbial community: Evidence from sinters along a temperature gradient of the Daggyai Major Geyser, Tibet. Terra Nova, 0, , .	2.1	0