## Cédric M John

List of Publications by Year in descending order

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109 4,003 31 58
papers citations h-index g-index

111 111 3428
all docs docs citations times ranked citing authors

#	Article	IF	Citations
1	Environmental precursors to rapid light carbon injection at the Palaeocene/Eocene boundary. Nature, 2007, 450, 1218-1221.	27.8	296
2	Temperature dependence of oxygen- and clumped isotope fractionation in carbonates: A study of travertines and tufas in the 6–95°C temperature range. Geochimica Et Cosmochimica Acta, 2015, 168, 172-192.	3.9	199
3	North American continental margin records of the Paleoceneâ€Eocene thermal maximum: Implications for global carbon and hydrological cycling. Paleoceanography, 2008, 23, .	3.0	176
4	Eustatic variations during the Paleoceneâ€Eocene greenhouse world. Paleoceanography, 2008, 23, .	3.0	167
5	Community software for challenging isotope analysis: First applications of â€~Easotope' to clumped isotopes. Rapid Communications in Mass Spectrometry, 2016, 30, 2285-2300.	1.5	156
6	Effects of Improved <sup>17</sup> O Correction on Interlaboratory Agreement in Clumped Isotope Calibrations, Estimates of Mineralâ€Specific Offsets, and Temperature Dependence of Acid Digestion Fractionation. Geochemistry, Geophysics, Geosystems, 2019, 20, 3495-3519.	2.5	134
7	Laboratory calibration of the calcium carbonate clumped isotope thermometer in the 25–250 °C temperature range. Geochimica Et Cosmochimica Acta, 2015, 157, 213-227.	3.9	133
8	The magnesium isotope ( $\hat{\Gamma}$ 26Mg) signature of dolomites. Geochimica Et Cosmochimica Acta, 2015, 149, 131-151.	3.9	125
9	A Unified Clumped Isotope Thermometer Calibration (0.5–1,100°C) Using Carbonateâ€Based Standardization. Geophysical Research Letters, 2021, 48, e2020GL092069.	4.0	116
10	InterCarb: A Community Effort to Improve Interlaboratory Standardization of the Carbonate Clumped Isotope Thermometer Using Carbonate Standards. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009588.	2.5	110
11	Pore pressure penetrometers document high overpressure near the seafloor where multiple submarine landslides have occurred on the continental slope, offshore Louisiana, Gulf of Mexico. Earth and Planetary Science Letters, 2008, 269, 309-325.	4.4	105
12	The structural basis for pyocin resistance in Neisseria gonorrhoeae lipooligosaccharides. Journal of Biological Chemistry, 1991, 266, 19303-11.	3.4	105
13	Timing and magnitude of Miocene eustasy derived from the mixed siliciclastic-carbonate stratigraphic record of the northeastern Australian margin. Earth and Planetary Science Letters, 2011, 304, 455-467.	4.4	103
14	The Palaeocene–Eocene carbon isotope excursion: constraints from individual shell planktonic foraminifer records. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2007, 365, 1829-1842.	3.4	102
15	Time-capsule concretions: Unlocking burial diagenetic processes in the Mancos Shale using carbonate clumped isotopes. Earth and Planetary Science Letters, 2014, 394, 30-37.	4.4	102
16	Mixed carbonate-siliciclastic record on the North African margin (Malta)â€"coupling of weathering processes and mid Miocene climate. Bulletin of the Geological Society of America, 2003, 115, 217-229.	3.3	91
17	Î 180 and Marion Plateau backstripping: Combining two approaches to constrain late middle Miocene eustatic amplitude. Geology, 2004, 32, 829.	4.4	80
18	Phosphogenesis and organic-carbon preservation in the Miocene Monterey Formation at Naples Beach, Californiaâ€"The Monterey hypothesis revisited. Bulletin of the Geological Society of America, 2005, 117, 589.	3.3	78

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19	Urban flood vulnerability zoning of Cochin City, southwest coast of India, using remote sensing and GIS. Natural Hazards, 2015, 75, 1271-1286.	3.4	76
20	Clay assemblage and oxygen isotopic constraints on the weathering response to the Paleocene-Eocene thermal maximum, east coast of North America. Geology, 2012, 40, 591-594.	4.4	53
21	Assessing and calibrating the ATR-FTIR approach as a carbonate rock characterization tool. Sedimentary Geology, 2017, 347, 36-52.	2.1	47
22	The Sensitivity of Estimates of Multiphase Fluid and Solid Properties of Porous Rocks to Image Processing. Transport in Porous Media, 2020, 131, 985-1005.	2.6	43
23	Late Miocene climate and time scale reconciliation: Accurate orbital calibration from a deep-sea perspective. Earth and Planetary Science Letters, 2017, 475, 254-266.	4.4	41
24	The clumped (13C18O) isotope composition of echinoid calcite: Further evidence for "vital effects―in the clumped isotope proxy. Geochimica Et Cosmochimica Acta, 2019, 245, 172-189.	3.9	40
25	Rock-buffered recrystallization of Marion Plateau dolomites at low temperature evidenced by clumped isotope thermometry and X-ray diffraction analysis. Geochimica Et Cosmochimica Acta, 2019, 252, 190-212.	3.9	39
26	Influence of climate and dolomite composition on dedolomitization: insights from a multi-proxy study in the central Oman Mountains. Journal of Sedimentary Research, 2012, 82, 177-195.	1.6	38
27	Clumped-isotope thermometry of magnesium carbonates in ultramafic rocks. Geochimica Et Cosmochimica Acta, 2016, 193, 222-250.	3.9	38
28	Erratum to "Pore pressure penetrometers document high overpressure near the seafloor where multiple submarine landslides have occurred on the continental slope, offshore Louisiana, Gulf of Mexico" [Earth and Planetary Science Letters 269/3-4 (2008) 309-32]. Earth and Planetary Science Letters, 2008, 274, 269-283.	4.4	37
29	Diagenetic Implications of Stylolitization In Pelagic Carbonates, Canterbury Basin, Offshore New Zealand. Journal of Sedimentary Research, 2013, 83, 226-240.	1.6	36
30	Clumped-isotope palaeothermometry and LA-ICP-MS U–Pb dating of lava-pile hydrothermal calcite veins. Contributions To Mineralogy and Petrology, 2019, 174, 1.	3.1	34
31	Paired stable isotopes (O, C) and clumped isotope thermometry of magnesite and silica veins in the New Caledonia Peridotite Nappe. Geochimica Et Cosmochimica Acta, 2016, 183, 234-249.	3.9	33
32	Fluid Surface Coverage Showing the Controls of Rock Mineralogy on the Wetting State. Geophysical Research Letters, 2020, 47, e2019GL086380.	4.0	32
33	Carbonaceous and Phosphate-Rich Sediments of the Miocene Monterey Formation at El Capitan State Beach, California, U.S.A Journal of Sedimentary Research, 2002, 72, 252-267.	1.6	31
34	Evaluating climatic response to external radiative forcing during the late Miocene to early Pliocene: New perspectives from eastern equatorial Pacific (IODP U1338) and North Atlantic (ODP 982) locations. Paleoceanography, 2016, 31, 167-184.	3.0	31
35	Dolomitization of Lower Cretaceous Peritidal Carbonates By Modified Seawater: Constraints From Clumped Isotopic Paleothermometry, Elemental Chemistry, and Strontium Isotopes. Journal of Sedimentary Research, 2014, 84, 552-566.	1.6	30
36	Deciphering the State of the Late Miocene to Early Pliocene Equatorial Pacific. Paleoceanography and Paleoclimatology, 2018, 33, 246-263.	2.9	30

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37	Changes in fluid regime in syn-orogenic sediments during the growth of the south Pyrenean fold and thrust belt. Global and Planetary Change, 2018, 171, 207-224.	3.5	30
38	Linking process, dimension, texture, and geochemistry in dolomite geobodies: A case study from Wadi Mistal (northern Oman). AAPG Bulletin, 2013, 97, 1181-1207.	1.5	29
39	Crestal graben fluid evolution during growth of the Puig-reig anticline (South Pyrenean fold and) Tj ETQq $1\ 1\ 0.784$	314 rgBT 1.6	/Oyerlock 10
40	Application of redox sensitive proxies and carbonate clumped isotopes to Mesozoic and Palaeozoic radiaxial fibrous calcite cements. Chemical Geology, 2015, 417, 306-321.	3.3	28
41	Amino and hydrazino alkyl benzoates as derivatizing agents for the separation and mass spectrometric analysis of oligosaccharides from bacterial lipooligosaccharides. Analytical Biochemistry, 1990, 187, 281-291.	2.4	24
42	Controls on the formation of stratabound dolostone bodies, Hammam Faraun Fault block, Gulf of Suez. Sedimentology, 2018, 65, 1973-2002.	3.1	24
43	Floating islands in a tropical wetland of peninsular India. Wetlands Ecology and Management, 2009, 17, 641-653.	1.5	23
44	A new approach to geobarometry by combining fluid inclusion and clumped isotope thermometry in hydrothermal carbonates. Terra Nova, 2018, 30, 199-206.	2.1	23
45	Mental health in the field. Nature Geoscience, 2018, 11, 618-620.	12.9	23
46	Regional-scale paleofluid system across the Tuscan Nappe–Umbria–Marche Apennine Ridge (northern) Tj ETQ Earth, 2020, 11, 1617-1641.	q0 0 0 rgB 2.8	T /Overlock 23
47	Relative Control of Paleoceanography, Climate, and Eustasy over Heterozoan Carbonates: A Perspective from Slope Sediments of the Marion Plateau (ODP LEG 194). Journal of Sedimentary Research, 2005, 75, 216-230.	1.6	22
48	Interplay between depositional facies, diagenesis and early fractures in the Early Cretaceous Habshan Formation, Jebel Madar, Oman. Marine and Petroleum Geology, 2013, 43, 489-503.	3.3	22
49	Exploring the geological features and processes that control the shape and internal fabrics of late diagenetic dolomite bodies (Lower Khuff equivalent – Central Oman Mountains). Marine and Petroleum Geology, 2015, 68, 325-340.	3.3	22
50	Effects of brine chemistry and polymorphism on clumped isotopes revealed by laboratory precipitation of mono- and multiphase calcium carbonates. Geochimica Et Cosmochimica Acta, 2015, 160, 155-168.	3.9	21
51	Reducing contamination parameters for clumped isotope analysis: The effect of lowering Porapakâ,,¢ Q trap temperature to below –50°C. Rapid Communications in Mass Spectrometry, 2017, 31, 1313-1323.	1.5	21
52	Multi-phase dolomitization and recrystallization of Middle Triassic shallow marine–peritidal carbonates from the Mecsek Mts. (SW Hungary), as inferred from petrography, carbon, oxygen, strontium and clumped isotope data. Marine and Petroleum Geology, 2019, 101, 440-458.	3.3	20
53	Chemostratigraphy in Miocene heterozoan carbonate settings: applications, limitations and perspectives. Geological Society Special Publication, 2006, 255, 307-322.	1.3	19
54	Sedimentological and isotopic heterogeneities within a Jurassic carbonate ramp (UAE) and implications for reservoirs in the Middle East. Marine and Petroleum Geology, 2015, 68, 240-257.	3.3	19

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55	Relationship between karstification and burial dolomitization in Permian platform carbonates (Lower) Tj ETQq1	l 0,784314 2.1	1 rgBT /Overl
56	Rapid Sedimentation, Overpressure, and Focused Fluid Flow, Gulf of Mexico Continental Margin. Scientific Drilling, 0, 3, 12-17.	0.6	19
57	From Early Contraction to Post-Folding Fluid Evolution in the Frontal Part of the $B ilde{A}^3$ ixols Thrust Sheet (Southern Pyrenees) as Revealed by the Texture and Geochemistry of Calcite Cements. Minerals (Basel, Switzerland), 2019, 9, 117.	2.0	18
58	Testing clumped isotopes as a reservoir characterization tool: a comparison with fluid inclusions in a dolomitized sedimentary carbonate reservoir buried to 2–4 km. Geological Society Special Publication, 2018, 468, 189-202.	1.3	17
59	Towards a new understanding of the genesis of chalk: Diagenetic origin of micarbs confirmed by clumped isotope analysis. Sedimentology, 2021, 68, 513-530.	3.1	17
60	Determination of the spatial distribution of wetting in the pore networks of rocks. Journal of Colloid and Interface Science, 2022, 613, 786-795.	9.4	17
61	XPS and TOF-SIMS Microanalysis of a Peptide/Polymer Drug Delivery Device. Analytical Chemistry, 1995, 67, 3871-3878.	6.5	16
62	From hydroplastic to brittle deformation: Controls on fluid flow in fold and thrust belts. Insights from the Lower Pedraforca thrust sheet (SE Pyrenees). Marine and Petroleum Geology, 2020, 120, 104517.	3.3	16
63	Impact of dynamic sedimentation on facies heterogeneities in Lower Cretaceous peritidal deposits of central east Oman. Sedimentology, 2013, 60, 1156-1183.	3.1	15
64	Interaction of stratigraphic and sedimentological heterogeneities with flow in carbonate ramp reservoirs: impact of fluid properties and production strategy. Petroleum Geoscience, 2014, 20, 7-26.	1.5	15
65	Magmatic-like fluid source of the Chingshui geothermal field, NE Taiwan evidenced by carbonate clumped-isotope paleothermometry. Journal of Asian Earth Sciences, 2017, 149, 124-133.	2.3	15
66	Dimensions, texture-distribution, and geochemical heterogeneities of fracture–related dolomite geobodies hosted in Ediacaran limestones, northern Oman. AAPG Bulletin, 2014, 98, 1789-1809.	1.5	14
67	Burial estimates constrained by clumped isotope thermometry: example of the Lower Cretaceous Qishn Formation (Haushi-Huqf High, Oman). Geological Society Special Publication, 2018, 435, 107-121.	1.3	14
68	Evolution of hot fluids in the Chingshui geothermal field inferred from crystal morphology and geochemical vein data. Geothermics, 2018, 74, 305-318.	3.4	14
69	Geometry, spatial arrangement and origin of carbonate grainâ€dominated, scourâ€fill and eventâ€bed deposits: Late Jurassic Jubaila Formation and Arabâ€D Member, Saudi Arabia. Sedimentology, 2018, 65, 1043-1066.	3.1	13
70	Assessment of Factors Controlling Clumped Isotopes and $\hat{l}$ (sup>180 Values of Hydrothermal Vent Calcites. Geochemistry, Geophysics, Geosystems, 2018, 19, 1844-1858.	2.5	12
71	Fluid Dynamics in a Thrust Fault Inferred from Petrology and Geochemistry of Calcite Veins: An Example from the Southern Pyrenees. Geofluids, 2020, 2020, 1-25.	0.7	12
72	Early dolomitization and partial burial recrystallization: a case study of Middle Triassic peritidal dolomites in the Villány Hills (SW Hungary) using petrography, carbon, oxygen, strontium and clumped isotope data. International Journal of Earth Sciences, 2020, 109, 1051-1070.	1.8	12

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73	Effects of oxygen plasma ashing treatment on carbonate clumped isotopes. Rapid Communications in Mass Spectrometry, 2020, 34, e8802.	1.5	12
74	Multiple fluid flow events from saltâ€related rifting to basin inversion (Upper Pedraforca thrust sheet,) Tj ETQc	0 0 0 rgBT	/Overlock 10
75	Plotting and analyzing data trends in ternary diagrams made easy. Eos, 2004, 85, 158-158.	0.1	11
76	Diagenetic Geobodies: Fracture-Controlled Burial Dolomite in Outcrops From Northern Oman. SPE Reservoir Evaluation and Engineering, 2015, 18, 84-93.	1.8	11
77	Exploring the potential of clumped isotope thermometry on coccolithâ€rich sediments as a sea surface temperature proxy. Geochemistry, Geophysics, Geosystems, 2016, 17, 4092-4104.	2.5	11
78	Ground-based hyperspectral imaging as a tool to identify different carbonate phases in natural cliffs. International Journal of Remote Sensing, 2018, 39, 4088-4114.	2.9	11
79	Geostatistical Modelling of Cyclic and Rhythmic Facies Architectures. Mathematical Geosciences, 2018, 50, 609-637.	2.4	11
80	Tropical temperature in the Maastrichtian Danish Basin: Data from coccolith $\hat{l}$ "47 and $\hat{l}$ 180. Geology, 2019, 47, 1074-1078.	4.4	11
81	Regional trends in clay mineral fluxes to the Queensland margin and ties to middle Miocene global cooling. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 233, 204-224.	2.3	10
82	Dolomitization Processes in Hydrocarbon Reservoirs: Insight from Geothermometry Using Clumped Isotopes. Procedia Earth and Planetary Science, 2015, 13, 265-268.	0.6	10
83	Diagenesis of phosphatic hardgrounds in the Monterey Formation: A perspective from bulk and clumped isotope geochemistry. Bulletin of the Geological Society of America, 2015, 127, 1453-1463.	3.3	9
84	Development of an equatorial carbonate platform across the Triassic-Jurassic boundary and links to global palaeoenvironmental changes (Musandam Peninsula, UAE/Oman). Gondwana Research, 2017, 45, 100-117.	6.0	9
85	Evidence of taxonomic non-equilibrium effects in the clumped isotope composition of modern cephalopod carbonate. Chemical Geology, 2021, 578, 120317.	3.3	9
86	Quantitative controls on the regional geometries and heterogeneities of the Rayda to Shu'aiba formations (Northern Oman) using forward stratigraphic modelling. Marine and Petroleum Geology, 2019, 99, 45-60.	3.3	8
87	Access to Antigens Related to Anthrose Using Pivotal Cyclic Sulfite/Sulfate Intermediates. Journal of Organic Chemistry, 2011, 76, 5985-5998.	3.2	7
88	Technical Note: A simple method for vaterite precipitation for isotopic studies: implications for bulk and clumped isotope analysis. Biogeosciences, 2015, 12, 3289-3299.	3.3	7
89	Integration of multispectral satellite and hyperspectral field data for aquatic macrophyte studies. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-8, 581-588.	0.2	7
90	Origin and distribution of calcite cements in a folded fluvial succession: The Puigâ€reig anticline (southâ€eastern Pyrenees). Sedimentology, 2022, 69, 2319-2347.	3.1	7

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91	Cenozoic sediment bypass versus Laramide exhumation and erosion of the Eagle Ford Group: Perspective from modelling of organic and inorganic proxy data (Maverick Basin, Texas, USA). Geology, 2022, 50, 817-821.	4.4	7
92	Modelling Asymmetrical Facies Successions Using Pluri-Gaussian Simulations. Quantitative Geology and Geostatistics, 2017, , 59-75.	0.1	6
93	Disentangling the Impact of Global and Regional Climate Changes During the Middle Eocene in the Hampshire Basin: New Insights From Carbonate Clumped Isotopes and Ostracod Assemblages. Paleoceanography and Paleoclimatology, 2022, 37, .	2.9	6
94	Influence of basement rocks on fluid evolution during multiphase deformation: the example of the Estamariu thrust in the Pyrenean Axial Zone. Solid Earth, 2020, 11, 2257-2281.	2.8	5
95	Detailed 3-D depositional architecture of Late Jurassic carbonate–anhydrite cycles (Brightling Mine,) Tj ETQq1 1	0,784314 3.3	ł rgBT /Ove
96	Constraining stratal architecture and pressure barriers in the subsalt Karachaganak Carboniferous carbonate platforms using forward stratigraphic modelling. Marine and Petroleum Geology, 2021, 124, 104771.	3.3	3
97	Combining clumped isotope and trace element analysis to constrain potential kinetic effects in calcite. Geochimica Et Cosmochimica Acta, 2021, 296, 117-130.	3.9	3
98	Carbonate Reservoir Analogues and Clumped Isotopes: How Combined Geometries and Geochemistry of Outcrops Help Reservoir Management in the Middle East. , $2014$ , , .		2
99	Building More Realistic 3-D Facies Indicator Models. , 2016, , .		2
100	Geostatistical Earth modeling of cyclic depositional facies and diagenesis. AAPG Bulletin, 2020, 104, 711-734.	1.5	2
101	Stratigraphic evolutionÂand karstification of a Cretaceous Midâ€Pacific atoll (Resolution Guyot) resolved from coreâ€logâ€seismic integration and comparison with modern and ancient analogues. Basin Research, 2022, 34, 1536-1566.	2.7	2
102	Benthic foraminiferal biotic events related to the Paleocene–Eocene Thermal Maximum along the California margin. Marine Micropaleontology, 2019, 150, 101745.	1.2	1
103	Significance of Fracture-Filling Rose-Like Calcite Crystal Clusters in the SE Pyrenees. Minerals (Basel,) Tj ETQq1 1 C	).784314 r 2.0	gBT /Over
104	Changing surface ocean circulation caused the local demise of echinoid Scaphechinus mirabilis in Taiwan during the Pleistocene–Holocene transition. Scientific Reports, 2022, 12, 8204.	3.3	1
105	Diagenetic Geobodies: Fracture-Controlled Burial Dolomite Bodies in Outcrops from Northern Oman. , 2014, , .		O
106	Inter-Well Scale Sedimentological Heterogeneities And Facies Architecture Of Upper Jurassic Carbonate Reservoir And Anhydrite Seals: Lessons Learned Using Outcrop Analogues., 2015,,.		0
107	Hyperspectral Remote Sensing for the Characterization of Dolomite Bodies: A Case Study in the Central Oman Mountains - Lower Khuff Analogue. , 2015, , .		O
108	Geochronological and geochemical data from fracture-filling calcites from the Lower Pedraforca thrust sheet (SE Pyrenees). Data in Brief, 2020, 31, 105896.	1.0	0

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109	Development of a web geoservices platform for School of Environmental Sciences, Mahatma Gandhi University, Kerala, India. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-8, 1207-1212.	0.2	0