

CÃ©dric M John

List of Publications by Year in descending order

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papers

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3428
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#	ARTICLE	IF	CITATIONS
1	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. <i>Paleoceanography and Paleoclimatology</i> , 2022, 37, .	2.9	6
2	Determination of the spatial distribution of wetting in the pore networks of rocks. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 786-795.	9.4	17
3	Origin and distribution of calcite cements in a folded fluvial succession: The Puigâ€reig anticline (southâ€eastern Pyrenees). <i>Sedimentology</i> , 2022, 69, 2319-2347.	3.1	7
4	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). <i>Geology</i> , 2022, 50, 817-821.	4.4	7
5	Stratigraphic evolution and karstification of a Cretaceous Midâ€Pacific atoll (Resolution Guyot) resolved from coreâ€logâ€seismic integration and comparison with modern and ancient analogues. <i>Basin Research</i> , 2022, 34, 1536-1566.	2.7	2
6	Changing surface ocean circulation caused the local demise of echinoid <i>Scaphechinus mirabilis</i> in Taiwan during the Pleistoceneâ€Holocene transition. <i>Scientific Reports</i> , 2022, 12, 8204.	3.3	1
7	Towards a new understanding of the genesis of chalk: Diagenetic origin of micarbs confirmed by clumped isotope analysis. <i>Sedimentology</i> , 2021, 68, 513-530.	3.1	17
8	Constraining stratal architecture and pressure barriers in the subsalt Karachaganak Carboniferous carbonate platforms using forward stratigraphic modelling. <i>Marine and Petroleum Geology</i> , 2021, 124, 104771.	3.3	3
9	Combining clumped isotope and trace element analysis to constrain potential kinetic effects in calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 296, 117-130.	3.9	3
10	A Unified Clumped Isotope Thermometer Calibration (0.5â€1,100â€C) Using Carbonateâ€Based Standardization. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092069.	4.0	116
11	InterCarb: A Community Effort to Improve Interlaboratory Standardization of the Carbonate Clumped Isotope Thermometer Using Carbonate Standards. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009588.	2.5	110
12	Multiple fluid flow events from saltâ€related rifting to basin inversion (Upper Pedraforca thrust sheet, Tj ETQq0 0 0 rrgBT /Overlock 10 T	2.7	12
13	Evidence of taxonomic non-equilibrium effects in the clumped isotope composition of modern cephalopod carbonate. <i>Chemical Geology</i> , 2021, 578, 120317.	3.3	9
14	The Sensitivity of Estimates of Multiphase Fluid and Solid Properties of Porous Rocks to Image Processing. <i>Transport in Porous Media</i> , 2020, 131, 985-1005.	2.6	43
15	Fluid Dynamics in a Thrust Fault Inferred from Petrology and Geochemistry of Calcite Veins: An Example from the Southern Pyrenees. <i>Geofluids</i> , 2020, 2020, 1-25.	0.7	12
16	Geostatistical Earth modeling of cyclic depositional facies and diagenesis. <i>AAPG Bulletin</i> , 2020, 104, 711-734.	1.5	2
17	From hydroplastic to brittle deformation: Controls on fluid flow in fold and thrust belts. Insights from the Lower Pedraforca thrust sheet (SE Pyrenees). <i>Marine and Petroleum Geology</i> , 2020, 120, 104517.	3.3	16
18	Geochronological and geochemical data from fracture-filling calcites from the Lower Pedraforca thrust sheet (SE Pyrenees). <i>Data in Brief</i> , 2020, 31, 105896.	1.0	0

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19	Significance of Fracture-Filling Rose-Like Calcite Crystal Clusters in the SE Pyrenees. <i>Minerals (Basel)</i> , 2019, 9, 1074-1078.	2.0	1
20	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. <i>International Journal of Earth Sciences</i> , 2020, 109, 1051-1070.	1.8	12
21	Fluid Surface Coverage Showing the Controls of Rock Mineralogy on the Wetting State. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086380.	4.0	32
22	Effects of oxygen plasma ashing treatment on carbonate clumped isotopes. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8802.	1.5	12
23	Regional-scale paleofluid system across the Tuscan Nappe–Umbria–Marche Apennine Ridge (northern Italy). <i>Earth and Planetary Science Letters</i> , 2020, 538, 116533.	2.8	23
24	Influence of basement rocks on fluid evolution during multiphase deformation: the example of the Estamariu thrust in the Pyrenean Axial Zone. <i>Solid Earth</i> , 2020, 11, 2257-2281.	2.8	5
25	Clumped-isotope palaeothermometry and LA-ICP-MS U–Pb dating of lava-pile hydrothermal calcite veins. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	3.1	34
26	Tropical temperature in the Maastrichtian Danish Basin: Data from coccolith $\delta^{17}O$ and $\delta^{18}O$. <i>Geology</i> , 2019, 47, 1074-1078.	4.4	11
27	Benthic foraminiferal biotic events related to the Paleocene–Eocene Thermal Maximum along the California margin. <i>Marine Micropaleontology</i> , 2019, 150, 101745.	1.2	1
28	Effects of Improved $\delta^{17}O$ Correction on Interlaboratory Agreement in Clumped Isotope Calibrations, Estimates of Mineral-Specific Offsets, and Temperature Dependence of Acid Digestion Fractionation. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 3495-3519.	2.5	134
29	Rock-buffered recrystallization of Marion Plateau dolomites at low temperature evidenced by clumped isotope thermometry and X-ray diffraction analysis. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 252, 190-212.	3.9	39
30	From Early Contraction to Post-Folding Fluid Evolution in the Frontal Part of the Aixols Thrust Sheet (Southern Pyrenees) as Revealed by the Texture and Geochemistry of Calcite Cements. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 117.	2.0	18
31	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. <i>Marine and Petroleum Geology</i> , 2019, 101, 440-458.	3.3	20
32	The clumped ($\delta^{13}C_{18}O$) isotope composition of echinoid calcite: Further evidence for ‘vital effects’ in the clumped isotope proxy. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 172-189.	3.9	40
33	Quantitative controls on the regional geometries and heterogeneities of the Rayda to Shu'aiba formations (Northern Oman) using forward stratigraphic modelling. <i>Marine and Petroleum Geology</i> , 2019, 99, 45-60.	3.3	8
34	Burial estimates constrained by clumped isotope thermometry: example of the Lower Cretaceous Qishn Formation (Haushi-Huqf High, Oman). <i>Geological Society Special Publication</i> , 2018, 435, 107-121.	1.3	14
35	Ground-based hyperspectral imaging as a tool to identify different carbonate phases in natural cliffs. <i>International Journal of Remote Sensing</i> , 2018, 39, 4088-4114.	2.9	11
36	Deciphering the State of the Late Miocene to Early Pliocene Equatorial Pacific. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 246-263.	2.9	30

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37	Evolution of hot fluids in the Chingshui geothermal field inferred from crystal morphology and geochemical vein data. <i>Geothermics</i> , 2018, 74, 305-318.	3.4	14
38	A new approach to geobarometry by combining fluid inclusion and clumped isotope thermometry in hydrothermal carbonates. <i>Terra Nova</i> , 2018, 30, 199-206.	2.1	23
39	Controls on the formation of stratabound dolostone bodies, Hammam Faraun Fault block, Gulf of Suez. <i>Sedimentology</i> , 2018, 65, 1973-2002.	3.1	24
40	Testing clumped isotopes as a reservoir characterization tool: a comparison with fluid inclusions in a dolomitized sedimentary carbonate reservoir buried to 2â€“4 km. <i>Geological Society Special Publication</i> , 2018, 468, 189-202.	1.3	17
41	Geostatistical Modelling of Cyclic and Rhythmic Facies Architectures. <i>Mathematical Geosciences</i> , 2018, 50, 609-637.	2.4	11
42	Assessment of Factors Controlling Clumped Isotopes and $\delta^{18}\text{O}$ Values of Hydrothermal Vent Calcites. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1844-1858.	2.5	12
43	Geometry, spatial arrangement and origin of carbonate grainâ€“dominated, scourâ€“fill and eventâ€“bed deposits: Late Jurassic Jubaila Formation and Arabâ€“Member, Saudi Arabia. <i>Sedimentology</i> , 2018, 65, 1043-1066.	3.1	13
44	Changes in fluid regime in syn-orogenic sediments during the growth of the south Pyrenean fold and thrust belt. <i>Global and Planetary Change</i> , 2018, 171, 207-224.	3.5	30
45	Mental health in the field. <i>Nature Geoscience</i> , 2018, 11, 618-620.	12.9	23
46	Magmatic-like fluid source of the Chingshui geothermal field, NE Taiwan evidenced by carbonate clumped-isotope paleothermometry. <i>Journal of Asian Earth Sciences</i> , 2017, 149, 124-133.	2.3	15
47	Reducing contamination parameters for clumped isotope analysis: The effect of lowering Porapakâ„¢ trap temperature to below 50â„¢C. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1313-1323.	1.5	21
48	Development of an equatorial carbonate platform across the Triassic-Jurassic boundary and links to global palaeoenvironmental changes (Musandam Peninsula, UAE/Oman). <i>Gondwana Research</i> , 2017, 45, 100-117.	6.0	9
49	Late Miocene climate and time scale reconciliation: Accurate orbital calibration from a deep-sea perspective. <i>Earth and Planetary Science Letters</i> , 2017, 475, 254-266.	4.4	41
50	Assessing and calibrating the ATR-FTIR approach as a carbonate rock characterization tool. <i>Sedimentary Geology</i> , 2017, 347, 36-52.	2.1	47
51	Modelling Asymmetrical Facies Successions Using Pluri-Gaussian Simulations. <i>Quantitative Geology and Geostatistics</i> , 2017, , 59-75.	0.1	6
52	Relationship between karstification and burial dolomitization in Permian platform carbonates (Lower Tj ETQq0 0 0,rgBT /Overlock 10 Tf	2.1	19
53	Paired stable isotopes (O, C) and clumped isotope thermometry of magnesite and silica veins in the New Caledonia Peridotite Nappe. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 183, 234-249.	3.9	33
54	Exploring the potential of clumped isotope thermometry on coccolithâ€“rich sediments as a sea surface temperature proxy. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4092-4104.	2.5	11

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55	Clumped-isotope thermometry of magnesium carbonates in ultramafic rocks. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 193, 222-250.	3.9	38
56	Crestal graben fluid evolution during growth of the Puig-reig anticline (South Pyrenean fold and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.6	29
57	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. <i>Paleoceanography</i> , 2016, 31, 167-184.	3.0	31
58	Community software for challenging isotope analysis: First applications of $\delta^{13}C_{org}$ to clumped isotopes. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2285-2300.	1.5	156
59	Building More Realistic 3-D Facies Indicator Models. , 2016, , .		2
60	Detailed 3-D depositional architecture of Late Jurassic carbonate-anhydrite cycles (Brightling Mine,) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.3	4
61	Dolomitization Processes in Hydrocarbon Reservoirs: Insight from Geothermometry Using Clumped Isotopes. <i>Procedia Earth and Planetary Science</i> , 2015, 13, 265-268.	0.6	10
62	Inter-Well Scale Sedimentological Heterogeneities And Facies Architecture Of Upper Jurassic Carbonate Reservoir And Anhydrite Seals: Lessons Learned Using Outcrop Analogues. , 2015, , .		0
63	Hyperspectral Remote Sensing for the Characterization of Dolomite Bodies: A Case Study in the Central Oman Mountains - Lower Khuff Analogue. , 2015, , .		0
64	Technical Note: A simple method for vaterite precipitation for isotopic studies: implications for bulk and clumped isotope analysis. <i>Biogeosciences</i> , 2015, 12, 3289-3299.	3.3	7
65	Exploring the geological features and processes that control the shape and internal fabrics of late diagenetic dolomite bodies (Lower Khuff equivalent $\delta^{13}C_{org}$ Central Oman Mountains). <i>Marine and Petroleum Geology</i> , 2015, 68, 325-340.	3.3	22
66	Temperature dependence of oxygen- and clumped isotope fractionation in carbonates: A study of travertines and tufas in the 6 $\delta^{13}C_{org}$ 95 $\delta^{13}C_{org}$ temperature range. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 168, 172-192.	3.9	199
67	Diagenesis of phosphatic hardgrounds in the Monterey Formation: A perspective from bulk and clumped isotope geochemistry. <i>Bulletin of the Geological Society of America</i> , 2015, 127, 1453-1463.	3.3	9
68	Effects of brine chemistry and polymorphism on clumped isotopes revealed by laboratory precipitation of mono- and multiphase calcium carbonates. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 160, 155-168.	3.9	21
69	Diagenetic Geobodies: Fracture-Controlled Burial Dolomite in Outcrops From Northern Oman. <i>SPE Reservoir Evaluation and Engineering</i> , 2015, 18, 84-93.	1.8	11
70	Laboratory calibration of the calcium carbonate clumped isotope thermometer in the 25 $\delta^{13}C_{org}$ 250 $\delta^{13}C_{org}$ temperature range. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 157, 213-227.	3.9	133
71	Sedimentological and isotopic heterogeneities within a Jurassic carbonate ramp (UAE) and implications for reservoirs in the Middle East. <i>Marine and Petroleum Geology</i> , 2015, 68, 240-257.	3.3	19
72	Application of redox sensitive proxies and carbonate clumped isotopes to Mesozoic and Palaeozoic radial fibrous calcite cements. <i>Chemical Geology</i> , 2015, 417, 306-321.	3.3	28

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73	Urban flood vulnerability zoning of Cochin City, southwest coast of India, using remote sensing and GIS. <i>Natural Hazards</i> , 2015, 75, 1271-1286.	3.4	76
74	The magnesium isotope ($\delta^{26}\text{Mg}$) signature of dolomites. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 149, 131-151.	3.9	125
75	Dolomitization of Lower Cretaceous Peritidal Carbonates By Modified Seawater: Constraints From Clumped Isotopic Paleothermometry, Elemental Chemistry, and Strontium Isotopes. <i>Journal of Sedimentary Research</i> , 2014, 84, 552-566.	1.6	30
76	Dimensions, texture-distribution, and geochemical heterogeneities of fracture-related dolomite geobodies hosted in Ediacaran limestones, northern Oman. <i>AAPG Bulletin</i> , 2014, 98, 1789-1809.	1.5	14
77	Interaction of stratigraphic and sedimentological heterogeneities with flow in carbonate ramp reservoirs: impact of fluid properties and production strategy. <i>Petroleum Geoscience</i> , 2014, 20, 7-26.	1.5	15
78	Time-capsule concretions: Unlocking burial diagenetic processes in the Mancos Shale using carbonate clumped isotopes. <i>Earth and Planetary Science Letters</i> , 2014, 394, 30-37.	4.4	102
79	Carbonate Reservoir Analogues and Clumped Isotopes: How Combined Geometries and Geochemistry of Outcrops Help Reservoir Management in the Middle East. , 2014, , .		2
80	Diagenetic Geobodies: Fracture-Controlled Burial Dolomite Bodies in Outcrops from Northern Oman. , 2014, , .		0
81	Interplay between depositional facies, diagenesis and early fractures in the Early Cretaceous Habshan Formation, Jebel Madar, Oman. <i>Marine and Petroleum Geology</i> , 2013, 43, 489-503.	3.3	22
82	Linking process, dimension, texture, and geochemistry in dolomite geobodies: A case study from Wadi Mistal (northern Oman). <i>AAPG Bulletin</i> , 2013, 97, 1181-1207.	1.5	29
83	Impact of dynamic sedimentation on facies heterogeneities in Lower Cretaceous peritidal deposits of central east Oman. <i>Sedimentology</i> , 2013, 60, 1156-1183.	3.1	15
84	Diagenetic Implications of Stylolitization In Pelagic Carbonates, Canterbury Basin, Offshore New Zealand. <i>Journal of Sedimentary Research</i> , 2013, 83, 226-240.	1.6	36
85	Clay assemblage and oxygen isotopic constraints on the weathering response to the Paleocene-Eocene thermal maximum, east coast of North America. <i>Geology</i> , 2012, 40, 591-594.	4.4	53
86	Influence of climate and dolomite composition on dedolomitization: insights from a multi-proxy study in the central Oman Mountains. <i>Journal of Sedimentary Research</i> , 2012, 82, 177-195.	1.6	38
87	Access to Antigens Related to Anthrose Using Pivotal Cyclic Sulfite/Sulfate Intermediates. <i>Journal of Organic Chemistry</i> , 2011, 76, 5985-5998.	3.2	7
88	Timing and magnitude of Miocene eustasy derived from the mixed siliciclastic-carbonate stratigraphic record of the northeastern Australian margin. <i>Earth and Planetary Science Letters</i> , 2011, 304, 455-467.	4.4	103
89	Floating islands in a tropical wetland of peninsular India. <i>Wetlands Ecology and Management</i> , 2009, 17, 641-653.	1.5	23
90	North American continental margin records of the Paleocene-Eocene thermal maximum: Implications for global carbon and hydrological cycling. <i>Paleoceanography</i> , 2008, 23, .	3.0	176

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91	Pore pressure penetrometers document high overpressure near the seafloor where multiple submarine landslides have occurred on the continental slope, offshore Louisiana, Gulf of Mexico. <i>Earth and Planetary Science Letters</i> , 2008, 269, 309-325.	4.4	105
92	Eustatic variations during the Paleocene–Eocene greenhouse world. <i>Paleoceanography</i> , 2008, 23, .	3.0	167
93	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" [<i>Earth and Planetary Science Letters</i> 269/3-4 (2008) 309-32]. <i>Earth and Planetary Science Letters</i> , 2008, 274, 269-283.	4.4	37
94	The Palaeocene–Eocene carbon isotope excursion: constraints from individual shell planktonic foraminifer records. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007, 365, 1829-1842.	3.4	102
95	Environmental precursors to rapid light carbon injection at the Palaeocene/Eocene boundary. <i>Nature</i> , 2007, 450, 1218-1221.	27.8	296
96	Regional trends in clay mineral fluxes to the Queensland margin and ties to middle Miocene global cooling. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 233, 204-224.	2.3	10
97	Chemostratigraphy in Miocene heterozoan carbonate settings: applications, limitations and perspectives. <i>Geological Society Special Publication</i> , 2006, 255, 307-322.	1.3	19
98	Relative Control of Paleocyanography, Climate, and Eustasy over Heterozoan Carbonates: A Perspective from Slope Sediments of the Marion Plateau (ODP LEG 194). <i>Journal of Sedimentary Research</i> , 2005, 75, 216-230.	1.6	22
99	Phosphogenesis and organic-carbon preservation in the Miocene Monterey Formation at Naples Beach, California–The Monterey hypothesis revisited. <i>Bulletin of the Geological Society of America</i> , 2005, 117, 589.	3.3	78
100	Plotting and analyzing data trends in ternary diagrams made easy. <i>Eos</i> , 2004, 85, 158-158.	0.1	11
101	$\delta^{18}\text{O}$ and Marion Plateau backstripping: Combining two approaches to constrain late middle Miocene eustatic amplitude. <i>Geology</i> , 2004, 32, 829.	4.4	80
102	Mixed carbonate-siliciclastic record on the North African margin (Malta)–coupling of weathering processes and mid Miocene climate. <i>Bulletin of the Geological Society of America</i> , 2003, 115, 217-229.	3.3	91
103	Carbonaceous and Phosphate-Rich Sediments of the Miocene Monterey Formation at El Capitan State Beach, California, U.S.A.. <i>Journal of Sedimentary Research</i> , 2002, 72, 252-267.	1.6	31
104	XPS and TOF-SIMS Microanalysis of a Peptide/Polymer Drug Delivery Device. <i>Analytical Chemistry</i> , 1995, 67, 3871-3878.	6.5	16
105	The structural basis for pyocin resistance in <i>Neisseria gonorrhoeae</i> lipooligosaccharides. <i>Journal of Biological Chemistry</i> , 1991, 266, 19303-11.	3.4	105
106	Amino and hydrazino alkyl benzoates as derivatizing agents for the separation and mass spectrometric analysis of oligosaccharides from bacterial lipooligosaccharides. <i>Analytical Biochemistry</i> , 1990, 187, 281-291.	2.4	24
107	Integration of multispectral satellite and hyperspectral field data for aquatic macrophyte studies. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-8, 581-588.	0.2	7
108	Rapid Sedimentation, Overpressure, and Focused Fluid Flow, Gulf of Mexico Continental Margin. <i>Scientific Drilling</i> , 0, 3, 12-17.	0.6	19

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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