

Eric Douville

List of Publications by Year in descending order

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71
papers

3,719
citations

186265
28
h-index

133252
59
g-index

76
all docs

76
docs citations

76
times ranked

4554
citing authors

#	ARTICLE	IF	CITATIONS
1	The rainbow vent fluids (36°14'N, MAR): the influence of ultramafic rocks and phase separation on trace metal content in Mid-Atlantic Ridge hydrothermal fluids. <i>Chemical Geology</i> , 2002, 184, 37-48.	3.3	584
2	Yttrium and rare earth elements in fluids from various deep-sea hydrothermal systems. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 627-643.	3.9	487
3	Compared geochemical signatures and the evolution of Menez Gwen (37°50'N) and Lucky Strike (37°17'N) hydrothermal fluids, south of the Azores Triple Junction on the Mid-Atlantic Ridge. <i>Chemical Geology</i> , 2000, 171, 49-75.	3.3	289
4	Interlaboratory study for coral Sr/Ca and other element/Ca ratio measurements. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3730-3750.	2.5	183
5	OSL and TL dating of the Middle Stone Age sequence at Diepkloof Rock Shelter (South Africa): a clarification. <i>Journal of Archaeological Science</i> , 2013, 40, 3401-3411.	2.4	126
6	Rapid and accurate U-Th dating of ancient carbonates using inductively coupled plasma-quadrupole mass spectrometry. <i>Chemical Geology</i> , 2010, 272, 1-11.	3.3	125
7	A new late Pleistocene archaeological sequence in South America: the Vale da Pedra Furada (PiauÍ; TJ ETQq1 1 0.784314 rgBT / Overl	1.0	113
8	Li/Mg systematics in scleractinian corals: Calibration of the thermometer. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 132, 288-310.	3.9	109
9	Northeastern Atlantic cold-water coral reefs and climate. <i>Geology</i> , 2011, 39, 743-746.	4.4	88
10	Neodymium isotopic composition of deep-sea corals from the NE Atlantic: implications for past hydrological changes during the Holocene. <i>Quaternary Science Reviews</i> , 2010, 29, 2509-2517.	3.0	74
11	Productivity controlled cold-water coral growth periods during the last glacial off Mauritania. <i>Marine Geology</i> , 2011, 280, 143-149.	2.1	71
12	Nd isotopes in deep-sea corals in the North-eastern Atlantic. <i>Quaternary Science Reviews</i> , 2010, 29, 2499-2508.	3.0	69
13	Dynamic topography control on Patagonian relief evolution as inferred from low temperature thermochronology. <i>Earth and Planetary Science Letters</i> , 2013, 364, 157-167.	4.4	68
14	A geochemical perspective on Parisian urban history based on U-Th dating, laminae counting and yttrium and REE concentrations of recent carbonates in underground aqueducts. <i>Quaternary Geochronology</i> , 2014, 24, 44-53.	1.4	67
15	Abrupt sea surface pH change at the end of the Younger Dryas in the central sub-equatorial Pacific inferred from boron isotope abundance in corals (<>Porites<>). <i>Biogeosciences</i> , 2010, 7, 2445-2459.	3.3	57
16	The Tara Pacific expeditionâ€”A pan-ecosystemic approach of the ðœ-omicsðœ-complexity of coral reef holobionts across the Pacific Ocean. <i>PLoS Biology</i> , 2019, 17, e3000483.	5.6	48
17	Alkaline-earth metal and rare-earth element incorporation control by ionic radius and growth rate on a stalagmite from the Chauvet Cave, Southeastern France. <i>Chemical Geology</i> , 2011, 290, 1-11.	3.3	43
18	Expanding Tara Oceans Protocols for Underway, Ecosystemic Sampling of the Ocean-Atmosphere Interface During Tara Pacific Expedition (2016â€”2018). <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	42

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19	Helium trapping in apatite damage: Insights from (U-Th-Sm)/He dating of different granitoid lithologies. <i>Chemical Geology</i> , 2017, 470, 116-131.	3.3	41
20	Across the Gap: Geochronological and Sedimentological Analyses from the Late Pleistocene-Holocene Sequence of Goda Buticha, Southeastern Ethiopia. <i>PLoS ONE</i> , 2017, 12, e0169418.	2.5	41
21	New insights into hydrological exchange between the South China Sea and the Western Pacific Ocean based on the Nd isotopic composition of seawater. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 122, 25-40.	1.4	39
22	New ESR/U-series data for the early Middle Pleistocene site of Isernia la Pineta, Italy. <i>Radiation Measurements</i> , 2011, 46, 847-852.	1.4	36
23	Light and temperature effects on $\delta^{11}\text{B}$ and B / Ca ratios of the zooxanthellate coral <i>Acropora</i> sp.: results from culturing experiments. <i>Biogeosciences</i> , 2012, 9, 4589-4605.	3.3	36
24	Direct dating of thick and thin thrusts in the Peruvian Subandean zone through apatite (^{238}U / ^{232}Th)/ ^{238}U / ^{235}U and fission track thermochronometry. <i>Basin Research</i> , 2013, 25, 419-435.	2.7	35
25	Surface ocean pH variations since 1689 CE and recent ocean acidification in the tropical South Pacific. <i>Nature Communications</i> , 2018, 9, 2543.	12.8	35
26	Coral Li/Mg thermometry: Caveats and constraints. <i>Chemical Geology</i> , 2019, 523, 162-178.	3.3	35
27	The Middle Pleistocene site of Guado San Nicola (Monteroduni, Central Italy) on the Lower/Middle Palaeolithic transition. <i>Quaternary International</i> , 2016, 411, 301-315.	1.5	34
28	Sub-Permil Interlaboratory Consistency for Solution-Based Boron Isotope Analyses on Marine Carbonates. <i>Geostandards and Geoanalytical Research</i> , 2021, 45, 59-75.	3.1	31
29	Paired ^{14}C and $^{230}\text{Th}/\text{U}$ Dating of Surface Corals from the Marquesas and Vanuatu (Sub-Equatorial) Tj ETQq1 1 0.784314 $\text{rg}^{29}\text{BT} / \text{Over}$	1.8	29
30	^{14}C Sources and Distribution in the Vicinity of La Hague Nuclear Reprocessing Plant: Part I - Terrestrial Environment. <i>Radiocarbon</i> , 2004, 46, 827-830.	1.8	29
31	ESR, U-series and paleomagnetic dating of <i>Gigantopithecus</i> fauna from Chui Feng Cave, Guangxi, southern China. <i>Quaternary Research</i> , 2014, 82, 270-280.	1.7	29
32	^{210}Pb - ^{226}Ra chronology reveals rapid growth rate of <i>Madrepora oculata</i> and <i>Lophelia pertusa</i> on world's largest cold-water coral reef. <i>Biogeosciences</i> , 2012, 9, 1253-1265.	3.3	28
33	Nonvolcanic tectonic islands in ancient and modern oceans. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4698-4717.	2.5	28
34	A high-resolution fluid inclusion $\delta^{18}\text{O}$ record from a stalagmite in SW France: modern calibration and comparison with multiple proxies. <i>Quaternary Science Reviews</i> , 2015, 110, 152-165.	3.0	27
35	Coupled ESR and U-series dating of early Pleistocene <i>Gigantopithecus</i> faunas at Mohui and Sanhe Caves, Guangxi, southern China. <i>Quaternary Geochronology</i> , 2015, 30, 524-528.	1.4	27
36	Hydrological variations of the intermediate water masses of the western Mediterranean Sea during the past 20 ka inferred from neodymium isotopic composition in foraminifera and cold-water corals. <i>Climate of the Past</i> , 2017, 13, 17-37.	3.4	27

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37	Decadal changes in the mid-depth water mass dynamic of the Northeastern Atlantic margin (Bay of Tj ETQq1 1 0.784314 rgBT /Overl	4.4	26
38	Isotope stratigraphy ($^{87}\text{Sr}/^{86}\text{Sr}$, ^{18}O , ^{13}C) of the Sorbas basin (Betic Cordillera, Spain): Paleooceanographic evolution across the onset of the Messinian salinity crisis. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 469, 60-73.	2.3	26
39	Seasonal variations in dissolved neodymium isotope composition in the Bay of Bengal. <i>Earth and Planetary Science Letters</i> , 2017, 479, 310-321.	4.4	26
40	NIST RM 8301 Boron Isotopes in Marine Carbonate (Simulated Coral and Foraminifera Solutions): Inter-laboratory ^{11}B and Trace Element Ratio Value Assignment. <i>Geostandards and Geoanalytical Research</i> , 2021, 45, 77-96.	3.1	24
41	Neodymium isotopic composition in foraminifera and authigenic phases of the South China Sea sediments: Implications for the hydrology of the North Pacific Ocean over the past 25 kyr. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3883-3904.	2.5	23
42	Three centuries of heavy metal pollution in Paris (France) recorded by urban speleothems. <i>Science of the Total Environment</i> , 2015, 518-519, 86-96.	8.0	23
43	^4He behavior in calcite filling viewed by $(^{230}\text{Th})/\text{He}$ dating, ^4He diffusion and crystallographic studies. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 125, 414-432.	3.9	22
44	Intra-skeletal calcite in a live-collected <i>Porites</i> sp.: Impact on environmental proxies and potential formation process. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 176, 279-294.	3.9	20
45	Fingerprinting Northeast Atlantic water masses using neodymium isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 210, 267-288.	3.9	19
46	A stalactite record of four relative sea-level highstands during the Middle Pleistocene Transition. <i>Quaternary Science Reviews</i> , 2017, 173, 92-100.	3.0	19
47	Development of laser ablation multi-collector inductively coupled plasma mass spectrometry for boron isotopic measurement in marine biocarbonates: new improvements and application to a modern <i>Porites</i> coral. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 359-371.	1.5	18
48	$^{40}\text{Ar}/^{39}\text{Ar}$ and ESR/U-series dates for Guado San Nicola, Middle Pleistocene key site at the Lower/Middle Palaeolithic transition in Italy. <i>Quaternary Geochronology</i> , 2016, 36, 67-75.	1.4	18
49	Downcore Variations of Sedimentary Detrital ($^{238}\text{U}/^{232}\text{Th}$) Ratio: Implications on the Use of ^{230}Th and ^{231}Pa to Reconstruct Sediment Flux and Ocean Circulation. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 2560-2573.	2.5	16
50	A core-top study of dissolution effect on B/Ca in <i>Globigerinoides sacculifer</i> from the tropical Atlantic: Potential bias for paleo-reconstruction of seawater carbonate chemistry. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 1053-1068.	2.5	15
51	ESR and ESR/U-series dating study of several middle Palaeolithic sites of PlÃ©neuf-Val-AndrÃ© (Brittany). Tj ETQq1_1_0.784314 rgBT /O	1.4	13
52	Yttrium and rare earth element partitioning in seawaters from the Bay of Bengal. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1388-1403.	2.5	13
53	Strontium isotope evidence for a trade network between southeastern Arabia and India during Antiquity. <i>Scientific Reports</i> , 2021, 11, 303.	3.3	13
54	Millennial-scale variations of the Holocene North Atlantic mid-depth gyre inferred from radiocarbon and neodymium isotopes in cold water corals. <i>Quaternary Science Reviews</i> , 2019, 211, 93-106.	3.0	12

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55	Variations in eastern Mediterranean hydrology during the last climatic cycle as inferred from neodymium isotopes in foraminifera. <i>Quaternary Science Reviews</i> , 2020, 237, 106306.	3.0	12
56	Neogene exhumation history of the Bergell massif (southeast Central Alps). <i>Terra Nova</i> , 2013, 25, 110-118.	2.1	10
57	Foraminiferal $\delta^{15}\text{N}$ in the deep north-western subtropical Pacific Ocean: Tracing changes in weathering input over the last 30,000 years. <i>Chemical Geology</i> , 2017, 470, 55-66.	3.3	10
58	Elemental systematics of the calcitic skeleton of <i>Corallium rubrum</i> and implications for the Mg/Ca temperature proxy. <i>Chemical Geology</i> , 2019, 524, 237-258.	3.3	10
59	Imprint of Holocene Climate Variability on Cold-Water Coral Reef Growth at the SW Rockall Trough Margin, NE Atlantic. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 2437-2452.	2.5	9
60	Tara Pacific Expedition's Atmospheric Measurements of Marine Aerosols across the Atlantic and Pacific Oceans: Overview and Preliminary Results. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E536-E554.	3.3	9
61	Urbanization impact on sulfur content of groundwater revealed by the study of urban speleothem-like deposits: Case study in Paris, France. <i>Science of the Total Environment</i> , 2017, 579, 124-132.	8.0	8
62	Distribution and long-term change of the sea surface carbonate system in the Mozambique Channel (1963-2019). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2021, 186-188, 104936.	1.4	8
63	Radiocarbon behaviour in seawater and the brown algae <i>Fucus serratus</i> in the vicinity of the COGEMA La Hague spent fuel reprocessing plant (Goury) France. <i>Journal of Environmental Radioactivity</i> , 2004, 77, 355-368.	1.7	7
64	Primary Life Stage Boron Isotope and Trace Elements Incorporation in Aposymbiotic <i>Acropora millepora</i> Coral under Ocean Acidification and Warming. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	7
65	Sedimentological and geochemical study of the Bongongo and Ngol travertines located at the Cameroon Volcanic Line. <i>Journal of African Earth Sciences</i> , 2018, 143, 201-214.	2.0	7
66	Holocene shifts in sub-surface water circulation of the North-East Atlantic inferred from Nd isotopic composition in cold-water corals. <i>Marine Geology</i> , 2019, 410, 135-145.	2.1	7
67	Changes in the Intermediate Water Masses of the Mediterranean Sea During the Last Climatic Cycle - New Constraints From Neodymium Isotopes in Foraminifera. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004153.	2.9	7
68	Contrasted release of insoluble elements (Fe, Al, rare earth elements, Th, Pa) after dust deposition in seawater: a tank experiment approach. <i>Biogeosciences</i> , 2021, 18, 2663-2678.	3.3	6
69	Reservoir Ages in the Western Tropical North Atlantic from One Coral off Martinique Island (Lesser Tj ETQq1 1 0.784314 rgBT /Overlo	1.8	4
70	Rare earth and alkali elements in stalagmites, as markers of Mediterranean environmental changes during Termination I. <i>Chemical Geology</i> , 2019, 525, 414-423.	3.3	4
71	Onset and demise of coral reefs, relationship with regional ocean circulation on the Wyville Thomson Ridge. <i>Marine Geology</i> , 2019, 416, 105969.	2.1	4