Renaud E Merle

List of Publications by Year
in descending order

47 papers	1,357 citations	361296 20 h-index	345118 36 g-index
48 all docs	48 docs citations	48 times ranked	1600 citing authors

#	Article	IF	Citations
1	Orogenesis without collision: Stabilizing the Terra Australis accretionary orogen, eastern Australia. Bulletin of the Geological Society of America, 2011, 123, 2240-2255.	1.6	125
2	40Ar/39Ar ages and Srâ€“Ndâ€“Pbâ€“Os geochemistry of CAMP tholeiites from Western MaranhÃ£o basin (NE) Tj ETQq0 0 0 rgBT /Ove	0.6	106
3	The Central Atlantic Magmatic Province (CAMP): A Review. Topics in Geobiology, 2018, , 91-125.	0.6	103
4	Bunbury Basalt: Gondwana breakup products or earliest vestiges of the Kerguelen mantle plume?. Earth and Planetary Science Letters, 2016, 440, 20-32.	1.8	84
5	Sr, Nd, Pb and Os Isotope Systematics of CAMP Tholeiites from Eastern North America (ENA): Evidence of a Subduction-enriched Mantle Source. Journal of Petrology, 2014, 55, 133-180.	1.1	69
6	The Central Atlantic Magmatic Province (CAMP) in Morocco. Journal of Petrology, 2019, 60, 945-996.	1.1	68
7	Upper and lower crust recycling in the source of CAMP basaltic dykes from southeastern North America. Earth and Planetary Science Letters, 2013, 376, 186-199.	1.8	66
8	Neoproterozoic to early Paleozoic extensional and compressional history of East Laurentian margin sequences: The Moine Supergroup, Scottish Caledonides. Bulletin of the Geological Society of America, 2015, 127, 349-371.	1.6	53
9	High resolution Uâ€Pb ages of Caâ€phosphates in Apollo 14 breccias: Implications forÂthe age of the Imbrium impact. Meteoritics and Planetary Science, 2014, 49, 2241-2251.	0.7	48
10	Toward a Greater Kerguelen large igneous province: Evolving mantle source contributions in and around the Indian Ocean. Lithos, 2017, 282-283, 163-172.	0.6	47
11	Evidence of multi-phase Cretaceous to Quaternary alkaline magmatism on Toreâ€“Madeira Rise and neighbouring seamounts from⁴⁰Ar/³⁹Ar ages. Journal of the Geological Society, 2009, 166, 879-894.	0.9	45
12	Plume-Lithosphere Interaction during Migration of Cretaceous Alkaline Magmatism in SW Portugal: Evidence from U-Pb Ages and Pb-Sr-Hf Isotopes. Journal of Petrology, 2010, 51, 1143-1170.	1.1	45
13	Cretaceous seamounts along the continentâ€“ocean transition of the Iberian margin: Uâ€“Pb ages and Pbâ€“Srâ€“Hf isotopes. Geochimica Et Cosmochimica Acta, 2006, 70, 4950-4976.	1.6	40
14	The timing of basaltic volcanism at the Apollo landing sites. Geochimica Et Cosmochimica Acta, 2019, 266, 29-53.	1.6	40
15	Age and geochemistry of magmatism on the oceanic Wallaby Plateau and implications for the opening of the Indian Ocean. Geology, 2015, 43, 971-974.	2.0	37
16	Longest continuously erupting large igneous province driven by plume-ridge interaction. Geology, 2021, 49, 206-210.	2.0	32
17	Age of the Barremianâ€“Aptian boundary and onset of the Cretaceous Normal Superchron. Earth-Science Reviews, 2019, 197, 102906.	4.0	28
18	Deep to shallow crustal differentiation of within-plate alkaline magmatism at Mt. Bambouto volcano, Cameroon Line. Lithos, 2015, 220-223, 272-288.	0.6	27

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19	Proterozoic to Mesozoic evolution of North-West Africa and Peri-Gondwana microplates: Detrital zircon ages from Morocco and Canada. Lithos, 2017, 278-281, 229-239.	0.6	26
20	Timing and causes of the mid-Cretaceous global plate reorganization event. Earth and Planetary Science Letters, 2020, 534, 116071.	1.8	22
21	Origin of widespread Cretaceous alkaline magmatism in the Central Atlantic: A single melting anomaly?. Lithos, 2019, 342-343, 480-498.	0.6	21
22	Provenance of the Highland Border Complex: constraints on Laurentian margin accretion in the Scottish Caledonides. Journal of the Geological Society, 2012, 169, 575-586.	0.9	20
23	Geochronology of the Tore-Madeira Rise seamounts and surrounding areas: a review. Australian Journal of Earth Sciences, 2018, 65, 591-605.	0.4	20
24	Segregation vesicles, cylinders, and sheets in vapor-differentiated pillow lavas: examples from Tore-Madeira Rise and Chile Triple Junction. Journal of Volcanology and Geothermal Research, 2005, 141, 109-122.	0.8	19
25	Pbâ€Pb ages and initial Pb isotopic composition of lunar meteorites: NWA 773 clan, NWA 4734, and Dhofar 287. Meteoritics and Planetary Science, 2020, 55, 1808-1832.	0.7	18
26	40Ar/39Ar dating of basaltic rocks and the pitfalls of plagioclase alteration. Geochimica Et Cosmochimica Acta, 2021, 314, 334-357.	1.6	18
27	Occurrence of inherited supra-subduction zone mantle in the oceanic lithosphere as inferred from mantle xenoliths from Dragon Seamount (southern Toreâ€"Madeira Rise). Journal of the Geological Society, 2012, 169, 251-267.	0.9	13
28	Origin and transportation history of lunar breccia 14311. Meteoritics and Planetary Science, 2017, 52, 842-858.	0.7	13
29	Age of the SÃÃksjÃrvi impact structure, Finland: reconciling the timing of small impacts in crystalline basement with regional basin development. Journal of the Geological Society, 2020, 177, 1231-1243.	0.9	11
30	Exploring the efficiency of stepwise dissolution in removal of stubborn non-radiogenic Pb in chondrule U-Pb dating. Geochimica Et Cosmochimica Acta, 2020, 277, 1-20.	1.6	10
31	The Kalkarindji Large Igneous Province, Australia: Petrogenesis of the Oldest and Most Compositionally Homogenous Province of the Phanerozoic. Journal of Petrology, 2018, 59, 635-665.	1.1	9
32	Paleodrainage and fault development in the southern Perth Basin, Western Australia during and after the breakup of Gondwana from 3D modelling of the Bunbury Basalt. Australian Journal of Earth Sciences, 0, , 1-17.	0.4	8
33	Tracing martian surface interactions with the triple O isotope compositions of meteoritic phosphates. Earth and Planetary Science Letters, 2020, 531, 115977.	1.8	8
34	Annealing of radiation damage in zircons from Apollo 14 impact breccia 14311: Implications for the thermal history of the breccia. Meteoritics and Planetary Science, 2016, 51, 155-166.	0.7	7
35	Post-spreading deformation and associated magmatism along the Iberia-Morocco Atlantic margins: Insight from submarine volcanoes of the Tore-Madeira Rise. Marine Geology, 2019, 407, 76-93.	0.9	7
36	Isotopic analysis of potassium by total evaporation and incipient emission thermal ionisation mass spectrometry. Chemical Geology, 2021, 559, 119976.	1.4	6

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37	Activity standardization of two enriched 40K solutions for the determination of decay scheme parameters and the half-life. Applied Radiation and Isotopes, 2022, 188, 110362.	0.7	6
38	Spatio-temporal Geochemical Evolution of the SE Australian Upper Mantle Deciphered from the Sr, Nd and Pb Isotope Compositions of Cenozoic Intraplate Volcanic Rocks. Journal of Petrology, 2016, , egw048.	1.1	5
39	Origin of geochemically heterogeneous mid-ocean ridge basalts from the Macquarie Ridge Complex, SW Pacific. Lithos, 2021, 380-381, 105893.	0.6	5
40	Mt Bambouto Volcano, Cameroon Line: Mantle Source and Differentiation of Within-plate Alkaline Rocks. Journal of Petrology, 0, , .	1.1	4
41	Annealing history of zircons from Apollo 14083 and 14303 impact breccias. Meteoritics and Planetary Science, 2018, 53, 2632-2643.	0.7	4
42	HTâ€“LP crustal syntectonic anatexis as a source of the Permian magmatism in the Eastern Southern Alps: evidence from xenoliths in the Euganean trachytes (NE Italy). Journal of the Geological Society, 2020, 177, 1211-1230.	0.9	4
43	Insights into the chemical diversity of the martian mantle from the Pb isotope systematics of shergottite Northwest Africa 8159. Chemical Geology, 2020, 545, 119638.	1.4	3
44	A micrometeorite from a stony asteroid identified in Luna 16 soil. Nature Astronomy, 2022, 6, 560-567.	4.2	3
45	Timing of Seafloor Spreading Cessation at the Macquarie Ridge Complex (SW Pacific) and Implications for Upper Mantle Heterogeneity. Geochemistry, Geophysics, Geosystems, 2021, 22, .	1.0	2
46	Calibrating volatile loss from the Moon using the U-Pb system. Geochimica Et Cosmochimica Acta, 2022, 324, 1-16.	1.6	2
47	Paleo-drainage and structural deformation during Gondwana breakup: insights from the 3D Geometry of the Bunbury Basalt. ASEG Extended Abstracts, 2015, 2015, 1-5.	0.1	0