

Rex N Taylor

List of Publications by Year in descending order

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98
papers

7,764
citations

70961

41
h-index

49773

87
g-index

103
all docs

103
docs citations

103
times ranked

5700
citing authors

#	ARTICLE	IF	CITATIONS
1	Hf isotope ratio analysis using multi-collector inductively coupled plasma mass spectrometry: an evaluation of isobaric interference corrections. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 1567-1574.	1.6	1,087
2	High precision Hf isotope measurements of MORB and OIB by thermal ionisation mass spectrometry: insights into the depleted mantle. <i>Chemical Geology</i> , 1998, 149, 211-233.	1.4	648
3	Thermal and chemical structure of the Iceland plume. <i>Earth and Planetary Science Letters</i> , 1997, 153, 197-208.	1.8	567
4	Fluid-mantle interaction in an intra-oceanic arc: constraints from high-precision Pb isotopes. <i>Earth and Planetary Science Letters</i> , 2003, 211, 221-236.	1.8	415
5	Early stages in the evolution of Izu-Bonin arc volcanism: New age, chemical, and isotopic constraints. <i>Earth and Planetary Science Letters</i> , 2006, 250, 385-401.	1.8	260
6	An improved method for extracting marine sediment fractions and its application to Sr and Nd isotopic analysis. <i>Chemical Geology</i> , 2002, 187, 179-199.	1.4	257
7	Mineralogy, Chemistry, and Genesis of the Boninite Series Volcanics, Chichijima, Bonin Islands, Japan. <i>Journal of Petrology</i> , 1994, 35, 577-617.	1.1	244
8	Isotopic characteristics of subduction fluids in an intra-oceanic setting, Izu-Bonin Arc, Japan. <i>Earth and Planetary Science Letters</i> , 1998, 164, 79-98.	1.8	222
9	DETERMINATION OF RARE EARTH ELEMENTS IN SIXTEEN SILICATE REFERENCE SAMPLES BY ICP-MS AFTER TM ADDITION AND ION EXCHANGE SEPARATION. <i>Geostandards and Geoanalytical Research</i> , 1996, 20, 133-139.	1.7	199
10	Age of Seychelles-India break-up. <i>Earth and Planetary Science Letters</i> , 2008, 272, 264-277.	1.8	185
11	A new ground-level fallout record of uranium and plutonium isotopes for northern temperate latitudes. <i>Earth and Planetary Science Letters</i> , 2002, 203, 1047-1057.	1.8	179
12	Mantle components in Iceland and adjacent ridges investigated using double-spike Pb isotope ratios. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 361-386.	1.6	178
13	The Iceland plume in space and time: a Sr-Nd-Pb-Hf study of the North Atlantic rifted margin. <i>Earth and Planetary Science Letters</i> , 2000, 177, 255-271.	1.8	171
14	Making and breaking an island arc: A new perspective from the Oligocene Kyushu-Palau arc, Philippine Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	1.0	121
15	Two contrasting magmatic types coexist after the cessation of back-arc spreading. <i>Chemical Geology</i> , 2009, 266, 274-296.	1.4	120
16	Molybdenum mobility and isotopic fractionation during subduction at the Mariana arc. <i>Earth and Planetary Science Letters</i> , 2015, 432, 176-186.	1.8	116
17	Rapid procedure for plutonium and uranium determination in soils using a borate fusion followed by ion-exchange and extraction chromatography. <i>Analytica Chimica Acta</i> , 1998, 371, 217-225.	2.6	112
18	Plutonium isotope ratio analysis at femtogram to nanogram levels by multicollector ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 279-284.	1.6	99

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19	Isotopic constraints on the influence of the Icelandic plume. <i>Earth and Planetary Science Letters</i> , 1997, 148, E1-E8.	1.8	95
20	Radiogenic isotopes document the start of subduction in the Western Pacific. <i>Earth and Planetary Science Letters</i> , 2019, 518, 197-210.	1.8	90
21	Explosive Deep Water Basalt in the Sumisu Backarc Rift. <i>Science</i> , 1990, 248, 1214-1217.	6.0	88
22	Migrating shoshonitic magmatism tracks Izu-Bonin-Mariana intra-oceanic arc rift propagation. <i>Earth and Planetary Science Letters</i> , 2010, 294, 111-122.	1.8	86
23	Evaluating the precision of Pb isotope measurement by mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 198-213.	1.6	85
24	Controls on magmatic degassing along the Reykjanes Ridge with implications for the helium paradox. <i>Earth and Planetary Science Letters</i> , 2000, 183, 43-50.	1.8	84
25	Plume-Ridge Interaction: a Geochemical Perspective from the Reykjanes Ridge. <i>Journal of Petrology</i> , 2002, 43, 1987-2012.	1.1	84
26	Origin of carbonatites in the South Qinling orogen: Implications for crustal recycling and timing of collision between the South and North China Blocks. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 143, 189-206.	1.6	78
27	Low $\delta^{18}O$ in the Icelandic mantle and its origins: Evidence from Reykjanes Ridge and Icelandic lavas. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 993-1019.	1.6	73
28	Upwelling, rifting, and age-progressive magmatism from the Oki-Daito mantle plume. <i>Geology</i> , 2013, 41, 1011-1014.	2.0	71
29	Geochemistry of plutonic spinels from the North Kamchatka Arc: comparisons with spinels from other tectonic settings. <i>Mineralogical Magazine</i> , 1993, 57, 575-589.	0.6	70
30	Processes controlling along-arc isotopic variation of the southern Izu-Bonin arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	1.0	69
31	Variation in the mantle sources of the northern Izu arc with time and space - Constraints from high-precision Pb isotopes. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 156, 266-290.	0.8	67
32	Comparison of fluorite geochemistry from REE deposits in the Panxi region and Bayan Obo, China. <i>Journal of Asian Earth Sciences</i> , 2012, 57, 76-89.	1.0	67
33	New evidence from a calcite-dolomite carbonatite dyke for the magmatic origin of the massive Bayan Obo ore-bearing dolomite marble, Inner Mongolia, China. <i>Mineralogy and Petrology</i> , 2007, 90, 223-248.	0.4	65
34	Crustal Processes: Major Controls on Reykjanes Peninsula Lava Chemistry, SW Iceland. <i>Journal of Petrology</i> , 1998, 39, 819-839.	1.1	64
35	The origin of enriched mantle beneath North China block: Evidence from young carbonatites. <i>Lithos</i> , 2011, 127, 1-9.	0.6	58
36	^{238}U - ^{230}Th constraints on mantle upwelling and plume-ridge interaction along the Reykjanes Ridge. <i>Earth and Planetary Science Letters</i> , 2001, 187, 259-272.	1.8	53

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37	A 500 Year Sediment Lake Record of Anthropogenic and Natural Inputs to Windermere (English Lake) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TF Environmental Science & Technology, 2014, 48, 7254-7263.	4.6	49
38	Light rare-earth enrichment of supra subduction-zone mantle: Evidence from the Troodos ophiolite, Cyprus. Geology, 1988, 16, 448.	2.0	47
39	Glacioisostasy controls chemical and isotopic characteristics of tholeiites from the Reykjanes Peninsula, SW Iceland. Earth and Planetary Science Letters, 1998, 164, 1-5.	1.8	47
40	Laurentian crustal recycling in the Ordovician Grampian Orogeny: Nd isotopic evidence from western Ireland. Geological Magazine, 2004, 141, 195-207.	0.9	46
41	Multiple ion counting determination of plutonium isotope ratios using multi-collector ICP-MS. Journal of Analytical Atomic Spectrometry, 2003, 18, 480-484.	1.6	45
42	Golden plumes: Substantial gold enrichment of oceanic crust during ridge-plume interaction. Geology, 2013, 41, 87-90.	2.0	42
43	Geochemical Evolution of Arc and Slab Following Subduction Initiation: a Record from the Bonin Islands, Japan. Journal of Petrology, 2020, 61, .	1.1	42
44	Arc volcanism and rifting. Nature, 1989, 342, 18-20.	13.7	37
45	Precise and rapid determination of ²³⁸ U/ ²³⁵ U and uranium concentration in soil samples using thermal ionisation mass spectrometry. Chemical Geology, 1998, 144, 73-80.	1.4	37
46	Geochemistry of basalts from Manda Hararo, Ethiopia: LREE-depleted basalts in Central Afar. Lithos, 2003, 69, 1-13.	0.6	36
47	Geochemistry of a sediment push-core from the Lucky Strike hydrothermal field, Mid-Atlantic Ridge. Chemical Geology, 2008, 247, 339-351.	1.4	33
48	Geological evolution of the Boset-Bericha Volcanic Complex, Main Ethiopian Rift: ⁴⁰ Ar/ ³⁹ Ar evidence for episodic Pleistocene to Holocene volcanism. Journal of Volcanology and Geothermal Research, 2018, 351, 115-133.	0.8	33
49	Tracking the magmatic evolution of island arc volcanism: Insights from a high-precision Pb isotope record of Montserrat, Lesser Antilles. Geochemistry, Geophysics, Geosystems, 2012, 13, .	1.0	32
50	Unusual composition of pore waters found in the Izu-Bonin fore-arc sedimentary basin. Nature, 1990, 344, 215-218.	13.7	31
51	Atomic spectrometry update: review of advances in atomic spectrometry and related techniques. Journal of Analytical Atomic Spectrometry, 2020, 35, 830-851.	1.6	28
52	Complex subvolcanic magma plumbing system of an alkali basaltic maar-diatreme volcano (Elie Ness,) Tj ETQq0 0 0 rgBT /Overlock 10 TF	0.8	27
53	Strontium isotopes in biogenic phosphates from a neogene marine formation: implications for palaeoseawater studies. Chemical Geology, 2000, 168, 325-332.	1.4	26
54	Lead isotopic systematics of massive sulphide deposits in the Urals: Applications for geodynamic setting and metal sources. Ore Geology Reviews, 2016, 72, 22-36.	1.1	26

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55	Chemical transects across intra-oceanic arcs: implications for the tectonic setting of ophiolites. Geological Society Special Publication, 1992, 60, 117-132.	0.8	24
56	The carbonatite-marble dykes of Abyan Province, Yemen Republic: the mixing of mantle and crustal carbonate materials revealed by isotope and trace element analysis. Mineralogy and Petrology, 2004, 82, 105-135.	0.4	24
57	Rapid onset of mafic magmatism facilitated by volcanic edifice collapse. Geophysical Research Letters, 2015, 42, 4778-4785.	1.5	24
58	A LREE-depleted component in the Afar plume: Further evidence from Quaternary Djibouti basalts. Lithos, 2010, 114, 327-336.	0.6	22
59	Submarine deposits from pumiceous pyroclastic density currents traveling over water: An outstanding example from offshore Montserrat (IODP 340). Bulletin of the Geological Society of America, 2017, 129, 392-414.	1.6	22
60	Tracing fluid-rock reaction and hydrothermal circulation at the Saldanha hydrothermal field. Chemical Geology, 2010, 273, 168-179.	1.4	21
61	Mantle composition controls the development of an Oceanic Core Complex. Geochemistry, Geophysics, Geosystems, 2013, 14, 979-995.	1.0	21
62	Late seafloor carbonate precipitation in serpentinites from the Rainbow and Saldanha sites (Mid-Atlantic Ridge). European Journal of Mineralogy, 2008, 20, 173-181.	0.4	20
63	Timing and emplacement dynamics of newly recognised mass flow deposits at ~12ka offshore Soufrière Hills volcano, Montserrat: How submarine stratigraphy can complement subaerial eruption histories. Journal of Volcanology and Geothermal Research, 2013, 253, 1-14.	0.8	20
64	Atomic spectrometry updates: Review of advances in atomic spectrometry and related techniques. Journal of Analytical Atomic Spectrometry, 2014, 29, 773.	1.6	20
65	Progressive mixed-magma recharging of Izu-Oshima volcano, Japan: A guide to magma chamber volume. Earth and Planetary Science Letters, 2015, 430, 19-29.	1.8	19
66	Arc volcanism in an extensional regime at the initiation of subduction: a geochemical study of Hahajima, Bonin Islands, Japan. Geological Society Special Publication, 1994, 81, 115-134.	0.8	18
67	Petrographic and geochemical variation along the Reykjanes Ridge, 57°N–59°N. Journal of the Geological Society, 1995, 152, 1031-1037.	0.9	18
68	Atomic spectrometry update: review of advances in atomic spectrometry and related techniques. Journal of Analytical Atomic Spectrometry, 2015, 30, 1017-1037.	1.6	18
69	Atomic spectrometry update: review of advances in atomic spectrometry and related techniques. Journal of Analytical Atomic Spectrometry, 2018, 33, 684-705.	1.6	17
70	Across-arc variations in K-isotope ratios in lavas of the Izu arc: Evidence for progressive depletion of the slab in K and similarly mobile elements. Earth and Planetary Science Letters, 2022, 578, 117291.	1.8	16
71	Long-distance magma transport from arc volcanoes inferred from the submarine eruptive fissures offshore Izu-Oshima volcano, Izu-Bonin arc. Journal of Volcanology and Geothermal Research, 2014, 285, 1-17.	0.8	15
72	Atomic spectrometry update: review of advances in atomic spectrometry and related techniques. Journal of Analytical Atomic Spectrometry, 2016, 31, 1057-1077.	1.6	15

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73	Evidence for Hydrothermal Activity in the Earliest Stages of Intraoceanic Arc Formation: Implications for Ophiolite-Hosted Hydrothermal Activity. <i>Economic Geology</i> , 2014, 109, 2159-2178.	1.8	14
74	Discovery of a large 2.4 Ma Plinian eruption of Basse-Terre, Guadeloupe, from the marine sediment record. <i>Geology</i> , 2016, 44, 123-126.	2.0	14
75	Chapter 20 Multi-stage collapse events in the South Soufrière Hills, Montserrat as recorded in marine sediment cores. <i>Geological Society Memoir</i> , 2014, 39, 383-397.	0.9	13
76	Atomic spectrometry update: review of advances in atomic spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 869-889.	1.6	13
77	Intrusive volcanic rocks in western Pacific forearcs. <i>Geophysical Monograph Series</i> , 1995, , 31-43.	0.1	11
78	Triggering of major eruptions recorded by actively forming cumulates. <i>Scientific Reports</i> , 2012, 2, 731.	1.6	11
79	Dynamics of a chemically pulsing mantle plume. <i>Earth and Planetary Science Letters</i> , 2020, 537, 116182.	1.8	11
80	Evolution of the Alu-Dalafilla and Borale volcanoes, Afar, Ethiopia. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 408, 107094.	0.8	10
81	Global environmental effects of large volcanic eruptions on ocean chemistry: Evidence from hydrothermal sediments (ODP Leg 185, Site 1149B). <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	9
82	The Evolution of the Silver Hills Volcanic Center, and Revised ⁴⁰ Ar/ ³⁹ Ar Geochronology of Montserrat, Lesser Antilles, With Implications for Island Arc Volcanism. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 427-452.	1.0	9
83	Atomic spectrometry update: review of advances in atomic spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 803-822.	1.6	9
84	Atomic spectrometry update: review of advances in atomic spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 868-891.	1.6	9
85	Atomic spectrometry update: review of advances in atomic spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 942-965.	1.6	9
86	Investigation of an Alleged Nuclear Incident at Greenham Common Airbase Using TI-mass Spectrometric Measurements of Uranium Isotopes. <i>Environmental Science & Technology</i> , 2000, 34, 4496-4503.	4.6	8
87	Large-volume lateral magma transport from the Mull volcano: An insight to magma chamber processes. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1618-1640.	1.0	8
88	Long-term changes in explosive and effusive behaviour at andesitic arc volcanoes: Chronostratigraphy of the Centre Hills Volcano, Montserrat. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 333-334, 15-35.	0.8	7
89	Emplacement of the Cabezo Marro lampiroite volcano (Miocene, SE Spain). <i>Bulletin of Volcanology</i> , 2015, 77, 1.	1.1	6
90	Origin and Age of Magmatism in the Northern Philippine Sea Basins. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	1.0	6

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91	Comment [on "Tectonic evolution of the Troodos ophiolite within the Tethyan framework" by Y. Dilek, P. Thy, E. M. Moores, and T. W. Ramsden]. <i>Tectonics</i> , 1992, 11, 910-915.	1.3	5
92	Axial magma reservoirs located by variation in lava chemistry along Iceland's mid-ocean ridge. <i>Geology</i> , 2000, 28, 699.	2.0	5
93	The Belgammel Ram, a Hellenistic-Roman Bronze Proembolion Found off the Coast of Libya: test analysis of function, date and metallurgy, with a digital reference archive. <i>International Journal of Nautical Archaeology</i> , 2013, 42, 60-75.	0.1	4
94	Using high-resolution Pb isotopes to unravel the petrogenesis of Sakurajima volcano, Japan. <i>Bulletin of Volcanology</i> , 2020, 82, 1.	1.1	3
95	Modern Pollution Signals in Sediments from Windermere, NW England, Determined by Micro-XRF and Lead Isotope Analysis. <i>Developments in Paleoenvironmental Research</i> , 2015, , 423-442.	7.5	2
96	Lead isotopic systematics of Urals massive sulphide deposits. , 2005, , 667-670.		2
97	Isotopes track Tethyan seamount subduction beneath the Troodos spreading centre, Cyprus. <i>Earth and Planetary Science Letters</i> , 2022, 584, 117509.	1.8	2
98	High precision PU isotope ratio measurements using multicollector ICP-MS. <i>Special Publication - Royal Society of Chemistry</i> , 0, , 104-112.	0.0	0