

# Rex N Taylor

## List of Publications by Year in descending order

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docs citations

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times ranked

5700  
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Earth and Planetary Science Letters</i> , 2022, 578, 117291.	1.8	16
2	Origin and Age of Magmatism in the Northern Philippine Sea Basins. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	1.0	6
3	Isotopes track Tethyan seamount subduction beneath the Troodos spreading centre, Cyprus. <i>Earth and Planetary Science Letters</i> , 2022, 584, 117509.	1.8	2
4	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
5	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
6	Evolution of the Alu-Dalafilla and Borale volcanoes, Afar, Ethiopia. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 408, 107094.	0.8	10
7	Atomic spectrometry update: review of advances in atomic spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 830-851.	1.6	28
8	Geochemical Evolution of Arc and Slab Following Subduction Initiation: a Record from the Bonin Islands, Japan. <i>Journal of Petrology</i> , 2020, 61, .	1.1	42
9	Dynamics of a chemically pulsing mantle plume. <i>Earth and Planetary Science Letters</i> , 2020, 537, 116182.	1.8	11
10	Using high-resolution Pb isotopes to unravel the petrogenesis of Sakurajima volcano, Japan. <i>Bulletin of Volcanology</i> , 2020, 82, 1.	1.1	3
11	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
12	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
13	Atomic spectrometry update: review of advances in atomic spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 684-705.	1.6	17
14	Geological evolution of the Boset-Bericha Volcanic Complex, Main Ethiopian Rift: $^{40}\text{Ar}/^{39}\text{Ar}$ evidence for episodic Pleistocene to Holocene volcanism. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 351, 115-133.	0.8	33
15	The Evolution of the Silver Hills Volcanic Center, and Revised $^{40}\text{Ar}/^{39}\text{Ar}$ Geochronology of Montserrat, Lesser Antilles, With Implications for Island Arc Volcanism. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 427-452.	1.0	9
16	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
17	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
18	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

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19	Submarine deposits from pumiceous pyroclastic density currents traveling over water: An outstanding example from offshore Montserrat (IODP 340). <i>Bulletin of the Geological Society of America</i> , 2017, 129, 392-414.	1.6	22
20	Atomic spectrometry update: review of advances in atomic spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1057-1077.	1.6	15
21	Complex subvolcanic magma plumbing system of an alkali basaltic maar-diatreme volcano (Elie Ness, Tj ETQq1 1 0.784314 rgBT /Ove	0.6	27
22	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
23	Lead isotopic systematics of massive sulphide deposits in the Urals: Applications for geodynamic setting and metal sources. <i>Ore Geology Reviews</i> , 2016, 72, 22-36.	1.1	26
24	Emplacement of the Cabezo MarÃa lamproite volcano (Miocene, SE Spain). <i>Bulletin of Volcanology</i> , 2015, 77, 1.	1.1	6
25	Atomic spectrometry update: review of advances in atomic spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1017-1037.	1.6	18
26	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
27	Rapid onset of mafic magmatism facilitated by volcanic edifice collapse. <i>Geophysical Research Letters</i> , 2015, 42, 4778-4785.	1.5	24
28	Progressive mixed-magma recharging of Izu-Oshima volcano, Japan: A guide to magma chamber volume. <i>Earth and Planetary Science Letters</i> , 2015, 430, 19-29.	1.8	19
29	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
30	Evaluating the precision of Pb isotope measurement by mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 198-213.	1.6	85
31	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
32	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
33	Long-distance magma transport from arc volcanoes inferred from the submarine eruptive fissures offshore Izu-Oshima volcano, Izuâ€Bonin arc. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 285, 1-17.	0.8	15
34	Atomic spectrometry updates: Review of advances in atomic spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 773.	1.6	20
35	A 500 Year Sediment Lake Record of Anthropogenic and Natural Inputs to Windermere (English Lake) Tj ETQq1 1 0.784314 rgBT /Ove <i>Environmental Science &amp; Technology</i> , 2014, 48, 7254-7263.	4.6	49
36	Chapter 20 Multi-stage collapse events in the South SoufriÃre Hills, Montserrat as recorded in marine sediment cores. <i>Geological Society Memoir</i> , 2014, 39, 383-397.	0.9	13

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37	Mantle composition controls the development of an Oceanic Core Complex. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 979-995.	1.0	21
38	Golden plumes: Substantial gold enrichment of oceanic crust during ridge-plume interaction. <i>Geology</i> , 2013, 41, 87-90.	2.0	42
39	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. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 253, 1-14.	0.8	20
40	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
41	Upwelling, rifting, and age-progressive magmatism from the Oki-Daito mantle plume. <i>Geology</i> , 2013, 41, 1011-1014.	2.0	71
42	Triggering of major eruptions recorded by actively forming cumulates. <i>Scientific Reports</i> , 2012, 2, 731.	1.6	11
43	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
44	Tracking the magmatic evolution of island arc volcanism: Insights from a high-precision Pb isotope record of Montserrat, Lesser Antilles. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	32
45	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
46	The origin of enriched mantle beneath North China block: Evidence from young carbonatites. <i>Lithos</i> , 2011, 127, 1-9.	0.6	58
47	A LREE-depleted component in the Afar plume: Further evidence from Quaternary Djibouti basalts. <i>Lithos</i> , 2010, 114, 327-336.	0.6	22
48	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
49	Tracing fluid-rock reaction and hydrothermal circulation at the Saldanha hydrothermal field. <i>Chemical Geology</i> , 2010, 273, 168-179.	1.4	21
50	Two contrasting magmatic types coexist after the cessation of back-arc spreading. <i>Chemical Geology</i> , 2009, 266, 274-296.	1.4	120
51	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
52	Age of Seychelles-India break-up. <i>Earth and Planetary Science Letters</i> , 2008, 272, 264-277.	1.8	185
53	Geochemistry of a sediment push-core from the Lucky Strike hydrothermal field, Mid-Atlantic Ridge. <i>Chemical Geology</i> , 2008, 247, 339-351.	1.4	33
54	Late seafloor carbonate precipitation in serpentinites from the Rainbow and Saldanha sites (Mid-Atlantic Ridge). <i>European Journal of Mineralogy</i> , 2008, 20, 173-181.	0.4	20

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55	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
56	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
57	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
58	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
59	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
60	Lead isotopic systematics of Urals massive sulphide deposits. , 2005, , 667-670.		2
61	Laurentian crustal recycling in the Ordovician Grampian Orogeny: Nd isotopic evidence from western Ireland. <i>Geological Magazine</i> , 2004, 141, 195-207.	0.9	46
62	The carbonatite-marble dykes of Abyan Province, Yemen Republic: the mixing of mantle and crustal carbonate materials revealed by isotope and trace element analysis. <i>Mineralogy and Petrology</i> , 2004, 82, 105-135.	0.4	24
63	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
64	Geochemistry of basalts from Manda Hararo, Ethiopia: LREE-depleted basalts in Central Afar. <i>Lithos</i> , 2003, 69, 1-13.	0.6	36
65	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
66	Multiple ion counting determination of plutonium isotope ratios using multi-collector ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 480-484.	1.6	45
67	Plume-Ridge Interaction: a Geochemical Perspective from the Reykjanes Ridge. <i>Journal of Petrology</i> , 2002, 43, 1987-2012.	1.1	84
68	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
69	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
70	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
71	$^{238}U$ - $^{230}Th$ 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
72	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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73	Axial magma reservoirs located by variation in lava chemistry along Iceland's mid-ocean ridge. <i>Geology</i> , 2000, 28, 699.	2.0	5
74	Strontium isotopes in biogenic phosphates from a neogene marine formation: implications for palaeoseawater studies. <i>Chemical Geology</i> , 2000, 168, 325-332.	1.4	26
75	The Iceland plume in space and time: a Sr <sup>87</sup> /Nd <sup>143</sup> /Pb <sup>206</sup> /Hf study of the North Atlantic rifted margin. <i>Earth and Planetary Science Letters</i> , 2000, 177, 255-271.	1.8	171
76	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
77	Investigation of an Alleged Nuclear Incident at Greenham Common Airbase Using Tl-mass Spectrometric Measurements of Uranium Isotopes. <i>Environmental Science &amp; Technology</i> , 2000, 34, 4496-4503.	4.6	8
78	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
79	Precise and rapid determination of <sup>238</sup> U/ <sup>235</sup> U and uranium concentration in soil samples using thermal ionisation mass spectrometry. <i>Chemical Geology</i> , 1998, 144, 73-80.	1.4	37
80	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
81	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
82	Glacioisostasy controls chemical and isotopic characteristics of tholeiites from the Reykjanes Peninsula, SW Iceland. <i>Earth and Planetary Science Letters</i> , 1998, 164, 1-5.	1.8	47
83	Crustal Processes: Major Controls on Reykjanes Peninsula Lava Chemistry, SW Iceland. <i>Journal of Petrology</i> , 1998, 39, 819-839.	1.1	64
84	Isotopic constraints on the influence of the Icelandic plume. <i>Earth and Planetary Science Letters</i> , 1997, 148, E1-E8.	1.8	95
85	Thermal and chemical structure of the Iceland plume. <i>Earth and Planetary Science Letters</i> , 1997, 153, 197-208.	1.8	567
86	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
87	Intrusive volcanic rocks in western Pacific forearcs. <i>Geophysical Monograph Series</i> , 1995, , 31-43.	0.1	11
88	Petrographic and geochemical variation along the Reykjanes Ridge, 57°N-59°N. <i>Journal of the Geological Society</i> , 1995, 152, 1031-1037.	0.9	18
89	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
90	Arc volcanism in an extensional regime at the initiation of subduction: a geochemical study of Hahajima, Bonin Islands, Japan. <i>Geological Society Special Publication</i> , 1994, 81, 115-134.	0.8	18

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91	Geochemistry of plutonic spinels from the North Kamchatka Arc: comparisons with spinels from other tectonic settings. Mineralogical Magazine, 1993, 57, 575-589.	0.6	70
92	Chemical transects across intra-oceanic arcs: implications for the tectonic setting of ophiolites. Geological Society Special Publication, 1992, 60, 117-132.	0.8	24
93	Comment [on "Tectonic evolution of the Troodos ophiolite within the Tethyan framework" by Y. Dilek, P. Thy, E. M. Moores, and T. W. Ramsden]. Tectonics, 1992, 11, 910-915.	1.3	5
94	Unusual composition of pore waters found in the Izu-Bonin fore-arc sedimentary basin. Nature, 1990, 344, 215-218.	13.7	31
95	Explosive Deep Water Basalt in the Sumisu Backarc Rift. Science, 1990, 248, 1214-1217.	6.0	88
96	Arc volcanism and rifting. Nature, 1989, 342, 18-20.	13.7	37
97	Light rare-earth enrichment of supra subduction-zone mantle: Evidence from the Troodos ophiolite, Cyprus. Geology, 1988, 16, 448.	2.0	47
98	High precision PU isotope ratio measurements using multicollector ICP-MS. Special Publication - Royal Society of Chemistry, 0, , 104-112.	0.0	0