Mathieu Touboul

List of Publications by Year
in descending order

25	2,835	304743	580821
papers	citations	22 h-index	25 g-index

25	25	25	1709
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hfâ€“W chronology of the accretion and early evolution of asteroids and terrestrial planets. Geochimica Et Cosmochimica Acta, 2009, 73, 5150-5188.	3.9	521
2	Late formation and prolonged differentiation of the Moon inferred from W isotopes in lunar metals. Nature, 2007, 450, 1206-1209.	27.8	414
3	Protracted core formation and rapid accretion of protoplanets. Science, 2014, 344, 1150-1154.	12.6	224
4	¹⁸² W Evidence for Long-Term Preservation of Early Mantle Differentiation Products. Science, 2012, 335, 1065-1069.	12.6	211
5	Tungsten-182 heterogeneity in modern ocean island basalts. Science, 2017, 356, 66-69.	12.6	171
6	Tungsten isotopic evidence for disproportional late accretion to the Earth and Moon. Nature, 2015, 520, 530-533.	27.8	127
7	Hfâ€“W thermochronometry: Closure temperature and constraints on the accretion and cooling history of the H chondrite parent body. Earth and Planetary Science Letters, 2008, 270, 106-118.	4.4	123
8	Insights into early Earth from Barberton komatiites: Evidence from lithophile isotope and trace element systematics. Geochimica Et Cosmochimica Acta, 2013, 108, 63-90.	3.9	110
9	Inherited 142Nd anomalies in Eoarchean protoliths. Earth and Planetary Science Letters, 2013, 361, 50-57.	4.4	91
10	The coupled ¹⁸²Wâ€¹⁴²Nd record of early terrestrial mantle differentiation. Geochemistry, Geophysics, Geosystems, 2016, 17, 2168-2193.	2.5	87
11	Early Earth differentiation investigated through 142Nd, 182W, and highly siderophile element abundances in samples from Isua, Greenland. Geochimica Et Cosmochimica Acta, 2016, 175, 319-336.	3.9	84
12	Insights into early Earth from the Ptâ€“Reâ€“Os isotope and highly siderophile element abundance systematics of Barberton komatiites. Geochimica Et Cosmochimica Acta, 2014, 125, 394-413.	3.9	77
13	Lithophile and siderophile element systematics of Earthâ€™s mantle at the Archeanâ€“Proterozoic boundary: Evidence from 2.4 Ga komatiites. Geochimica Et Cosmochimica Acta, 2016, 180, 227-255.	3.9	73
14	Tungsten isotopes in ferroan anorthosites: Implications for the age of the Moon and lifetime of its magma ocean. Icarus, 2009, 199, 245-249.	2.5	70
15	High precision tungsten isotope measurement by thermal ionization mass spectrometry. International Journal of Mass Spectrometry, 2012, 309, 109-117.	1.5	68
16	New insights into the Hadean mantle revealed by 182W and highly siderophile element abundances of supracrustal rocks from the Nuvvuagittuq Greenstone Belt, Quebec, Canada. Chemical Geology, 2014, 383, 63-75.	3.3	67
17	In search of late-stage planetary building blocks. Chemical Geology, 2015, 411, 125-142.	3.3	61
18	Hfâ€“W chronology of the eucrite parent body. Geochimica Et Cosmochimica Acta, 2015, 156, 106-121.	3.9	51

#	Article	IF	Citations
19	Widespread tungsten isotope anomalies and W mobility in crustal and mantle rocks of the Eoarchean Saglek Block, northern Labrador, Canada: Implications for early Earth processes and W recycling. Earth and Planetary Science Letters, 2016, 448, 13-23.	4.4	51
20	182W and HSE constraints from 2.7â€¯Ga komatiites on the heterogeneous nature of the Archean mantle. Geochimica Et Cosmochimica Acta, 2018, 228, 1-26.	3.9	48
21	Hfâ€“W thermochronometry: II. Accretion and thermal history of the acapulcoiteâ€“lodranite parent body. Earth and Planetary Science Letters, 2009, 284, 168-178.	4.4	46
22	238Uâ€“230Thâ€“226Ra disequilibria in andesitic lavas of the last magmatic eruption of Guadeloupe Soufriere, french Antilles: Processes and timescales of magma differentiation. Chemical Geology, 2007, 246, 181-206.	3.3	27
23	High-Precision Tungsten Isotopic Analysis by Multicollection Negative Thermal Ionization Mass Spectrometry Based on Simultaneous Measurement of W and ¹⁸O/¹⁶O Isotope Ratios for Accurate Fractionation Correction. Analytical Chemistry, 2016, 88, 1542-1546.	6.5	18
24	The komatiite testimony to ancient mantle heterogeneity. Chemical Geology, 2022, 594, 120776.	3.3	13
25	High-precision measurements of Mo isotopes by N-TIMS. International Journal of Mass Spectrometry, 2022, 476, 116846.	1.5	2