

Mathieu Touboul

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,835
citations

304743

22
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1709
citing authors

#	ARTICLE	IF	CITATIONS
1	The komatiite testimony to ancient mantle heterogeneity. <i>Chemical Geology</i> , 2022, 594, 120776.	3.3	13
2	High-precision measurements of Mo isotopes by N-TIMS. <i>International Journal of Mass Spectrometry</i> , 2022, 476, 116846.	1.5	2
3	^{182}W and HSE constraints from 2.7 Ga komatiites on the heterogeneous nature of the Archean mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 228, 1-26.	3.9	48
4	Tungsten-182 heterogeneity in modern ocean island basalts. <i>Science</i> , 2017, 356, 66-69.	12.6	171
5	The coupled ^{182}W - ^{142}Nd record of early terrestrial mantle differentiation. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2168-2193.	2.5	87
6	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. <i>Earth and Planetary Science Letters</i> , 2016, 448, 13-23.	4.4	51
7	High-Precision Tungsten Isotopic Analysis by Multicollection Negative Thermal Ionization Mass Spectrometry Based on Simultaneous Measurement of W and $^{18}\text{O}/^{16}\text{O}$ Isotope Ratios for Accurate Fractionation Correction. <i>Analytical Chemistry</i> , 2016, 88, 1542-1546.	6.5	18
8	Lithophile and siderophile element systematics of Earth's mantle at the Archean-Proterozoic boundary: Evidence from 2.4 Ga komatiites. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 180, 227-255.	3.9	73
9	Early Earth differentiation investigated through ^{142}Nd , ^{182}W , and highly siderophile element abundances in samples from Isua, Greenland. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 175, 319-336.	3.9	84
10	In search of late-stage planetary building blocks. <i>Chemical Geology</i> , 2015, 411, 125-142.	3.3	61
11	Hf-W chronology of the eucrite parent body. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 156, 106-121.	3.9	51
12	Tungsten isotopic evidence for disproportional late accretion to the Earth and Moon. <i>Nature</i> , 2015, 520, 530-533.	27.8	127
13	Insights into early Earth from the Pt-Re-Os isotope and highly siderophile element abundance systematics of Barberton komatiites. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 125, 394-413.	3.9	77
14	Protracted core formation and rapid accretion of protoplanets. <i>Science</i> , 2014, 344, 1150-1154.	12.6	224
15	New insights into the Hadean mantle revealed by ^{182}W and highly siderophile element abundances of supracrustal rocks from the Nuvvuagittuq Greenstone Belt, Quebec, Canada. <i>Chemical Geology</i> , 2014, 383, 63-75.	3.3	67
16	Insights into early Earth from Barberton komatiites: Evidence from lithophile isotope and trace element systematics. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 108, 63-90.	3.9	110
17	Inherited ^{142}Nd anomalies in Eoarchean protoliths. <i>Earth and Planetary Science Letters</i> , 2013, 361, 50-57.	4.4	91
18	^{182}W Evidence for Long-Term Preservation of Early Mantle Differentiation Products. <i>Science</i> , 2012, 335, 1065-1069.	12.6	211

#	ARTICLE	IF	CITATIONS
19	High precision tungsten isotope measurement by thermal ionization mass spectrometry. International Journal of Mass Spectrometry, 2012, 309, 109-117.	1.5	68
20	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
21	Hf ¹⁸² W thermochronometry: II. Accretion and thermal history of the acapulcoite ¹⁸² Irdranite parent body. Earth and Planetary Science Letters, 2009, 284, 168-178.	4.4	46
22	Hf ¹⁸² W chronology of the accretion and early evolution of asteroids and terrestrial planets. Geochimica Et Cosmochimica Acta, 2009, 73, 5150-5188.	3.9	521
23	Hf ¹⁸² 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
24	²³⁸ U ²³⁰ Th ²²⁶ Ra 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
25	Late formation and prolonged differentiation of the Moon inferred from W isotopes in lunar metals. Nature, 2007, 450, 1206-1209.	27.8	414