Edward T Tipper

List of Publications by Year
in descending order

37 papers	3,230 citations	201575 27 h-index	315616 38 g-index
41 all docs	41 docs citations	41 times ranked	2696 citing authors

#	Article	IF	Citations
1	The magnesium isotope budget of the modern ocean: Constraints from riverine magnesium isotope ratios. Earth and Planetary Science Letters, 2006, 250, 241-253.	1.8	300
2	Ocean acidification and the Permo-Triassic mass extinction. Science, 2015, 348, 229-232.	6.0	284
3	Riverine evidence for a fractionated reservoir of Ca and Mg on the continents: Implications for the oceanic Ca cycle. Earth and Planetary Science Letters, 2006, 247, 267-279.	1.8	272
4	The short term climatic sensitivity of carbonate and silicate weathering fluxes: Insight from seasonal variations in river chemistry. Geochimica Et Cosmochimica Acta, 2006, 70, 2737-2754.	1.6	245
5	Calcium isotopes in the global biogeochemical Ca cycle: Implications for development of a Ca isotope proxy. Earth-Science Reviews, 2014, 129, 148-177.	4.0	238
6	Calcium and magnesium isotope systematics in rivers draining the Himalaya-Tibetan-Plateau region: Lithological or fractionation control?. Geochimica Et Cosmochimica Acta, 2008, 72, 1057-1075.	1.6	191
7	Chemical and Biological Gradients along the Damma Glacier Soil Chronosequence, Switzerland. Vadose Zone Journal, 2011, 10, 867-883.	1.3	158
8	Chondritic Mg isotope composition of the Earth. Geochimica Et Cosmochimica Acta, 2010, 74, 5069-5083.	1.6	141
9	Accuracy of stable Mg and Ca isotope data obtained by MC-ICP-MS using the standard addition method. Chemical Geology, 2008, 257, 65-75.	1.4	120
10	Mg isotope constraints on soil pore-fluid chemistry: Evidence from Santa Cruz, California. Geochimica Et Cosmochimica Acta, 2010, 74, 3883-3896.	1.6	118
11	Experimental constraints on Li isotope fractionation during clay formation. Geochimica Et Cosmochimica Acta, 2019, 250, 219-237.	1.6	113
12	Positive correlation between Li and Mg isotope ratios in the river waters of the Mackenzie Basin challenges the interpretation of apparent isotopic fractionation during weathering. Earth and Planetary Science Letters, 2012, 333-334, 35-45.	1.8	96
13	Seasonal sensitivity of weathering processes: Hints from magnesium isotopes in a glacial stream. Chemical Geology, 2012, 312-313, 80-92.	1.4	96
14	Hydrological control of stream water chemistry in a glacial catchment (Damma Glacier, Switzerland). Chemical Geology, 2011, 285, 215-230.	1.4	92
15	Interpreting the Ca isotope record of marine biogenic carbonates. Geochimica Et Cosmochimica Acta, 2007, 71, 3979-3989.	1.6	78
16	Freshwater monitoring by nanopore sequencing. ELife, 2021, 10, .	2.8	69
17	Calcium isotope ratios in the world's largest rivers: A constraint on the maximum imbalance of oceanic calcium fluxes. Global Biogeochemical Cycles, 2010, 24, .	1.9	67
18	Isotope evidence for secondary sulfide precipitation along the Marsyandi River, Nepal, Himalayas. Earth and Planetary Science Letters, 2013, 374, 36-46.	1.8	64

#	Article	IF	Citations
19	On discrimination between carbonate and silicate inputs to Himalayan rivers. Numerische Mathematik, 2015, 315, 120-166.	0.7	45
20	Carbon dioxide emissions by rock organic carbon oxidation and the net geochemical carbon budget of the Mackenzie River Basin. Numerische Mathematik, 2019, 319, 473-499.	0.7	45
21	Global silicate weathering flux overestimated because of sedimentâ€"water cation exchange. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	44
22	Chemical weathering outputs from the flood plain of the Ganga. Geochimica Et Cosmochimica Acta, 2018, 225, 146-175.	1.6	43
23	Experimental constraints on Mg isotope fractionation during clay formation: Implications for the global biogeochemical cycle of Mg. Earth and Planetary Science Letters, 2020, 531, 115980.	1.8	43
24	Influence of glaciation on mechanisms of mineral weathering in two high Arctic catchments. Chemical Geology, 2016, 420, 37-50.	1.4	40
25	Triple oxygen isotope insight into terrestrial pyrite oxidation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7650-7657.	3.3	39
26	Mg isotope systematics during magmatic processes: Inter-mineral fractionation in mafic to ultramafic Hawaiian xenoliths. Geochimica Et Cosmochimica Acta, 2018, 226, 192-205.	1.6	37
27	An Abrupt Aging of Dissolved Organic Carbon in Large Arctic Rivers. Geophysical Research Letters, 2020, 47, e2020GL088823.	1.5	33
28	Integrating Suspended Sediment Flux in Large Alluvial River Channels: Application of a Synoptic Rouseâ€Based Model to the Irrawaddy and Salween Rivers. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2020JF005554.	1.0	28
29	Partitioning riverine sulfate sources using oxygen and sulfur isotopes: Implications for carbon budgets of large rivers. Earth and Planetary Science Letters, 2021, 567, 116957.	1.8	27
30	Rare earth element and neodymium isotope tracing of sedimentary rock weathering. Chemical Geology, 2020, 553, 119794.	1.4	16
31	Li and U Isotopes as a Potential Tool for Monitoring Active Layer Deepening in Permafrost Dominated Catchments. Frontiers in Earth Science, 2018, 6, .	0.8	14
32	Global Ca Cycles: Coupling of Continental and Oceanic Processes. Advances in Isotope Geochemistry, 2016, , 173-222.	1.4	10
33	Constraints on the source of reactive phases in sediment from a major Arctic river using neodymium isotopes. Earth and Planetary Science Letters, 2021, 565, 116933.	1.8	8
34	Clay mineralogy, strontium and neodymium isotope ratios in the sediments of two High Arctic catchments (Svalbard). Earth Surface Dynamics, 2018, 6, 141-161.	1.0	3
35	Diffusive processes in aqueous glass dissolution. Npj Materials Degradation, 2019, 3, .	2.6	3
36	Dissolved trace element concentrations and fluxes in the Irrawaddy, Salween, Sittaung and Kaladan Rivers. Science of the Total Environment, 2022, 841, 156756.	3.9	3

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37	Temperature dependent lithium isotope fractionation during glass dissolution. Geochimica Et Cosmochimica Acta, 2021, 313, 133-154.	1.6	1