A Joshua West

List of Publications by Year
in descending order

72 papers	4,855 citations	101543 36 h-index	95266 68 g-index
86 all docs	86 docs citations	86 times ranked	4534 citing authors

#	Article	IF	Citations
1	Earthquakeâ€Induced Chains of Geologic Hazards: Patterns, Mechanisms, and Impacts. Reviews of Geophysics, 2019, 57, 421-503.	23.0	505
2	The size, distribution, and mobility of landslides caused by the 2015 Mw7.8 Gorkha earthquake, Nepal. Geomorphology, 2018, 301, 121-138.	2.6	294
3	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.	3.9	245
4	Sulphide oxidation and carbonate dissolution as a source of CO2 over geological timescales. Nature, 2014, 507, 346-349.	27.8	239
5	Global chemical weathering and associated P-release â€" The role of lithology, temperature and soil properties. Chemical Geology, 2014, 363, 145-163.	3.3	215
6	Mercury anomalies and the timing of biotic recovery following the end-Triassic mass extinction. Nature Communications, 2016, 7, 11147.	12.8	187
7	Thickness of the chemical weathering zone and implications for erosional and climatic drivers of weathering and for carbon-cycle feedbacks. Geology, 2012, 40, 811-814.	4.4	181
8	Mountains, erosion and the carbonÂcycle. Nature Reviews Earth & Environment, 2020, 1, 284-299.	29.7	167
9	Mobilization and transport of coarse woody debris to the oceans triggered by an extreme tropical storm. Limnology and Oceanography, 2011, 56, 77-85.	3.1	162
10	Seismic mountain building: Landslides associated with the 2008 Wenchuan earthquake in the context of a generalized model for earthquake volume balance. Geochemistry, Geophysics, Geosystems, 2014, 15, 833-844.	2.5	157
11	Glacial weathering, sulfide oxidation, and global carbon cycle feedbacks. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8716-8721.	7.1	130
12	Contribution of deep groundwater to the weathering budget in a rapidly eroding mountain belt, Taiwan. Earth and Planetary Science Letters, 2011, 303, 48-58.	4.4	129
13	Controls on fluvial evacuation of sediment from earthquake-triggered landslides. Geology, 2015, 43, 115-118.	4.4	115
14	The acid and alkalinity budgets of weathering in the Andesâ€“Amazon system: Insights into the erosional control of global biogeochemical cycles. Earth and Planetary Science Letters, 2016, 450, 381-391.	4.4	103
15	Evolution of Cenozoic seawater lithium isotopes: Coupling of global denudation regime and shifting seawater sinks. Earth and Planetary Science Letters, 2014, 401, 284-293.	4.4	98
16	Geomorphic regime modulates hydrologic control of chemical weathering in the Andesâ€“Amazon. Geochimica Et Cosmochimica Acta, 2015, 166, 105-128.	3.9	98
17	Small-catchment perspective on Himalayan weathering fluxes. Geology, 2002, 30, 355.	4.4	96
18	Connectivity of earthquakeâ€triggered landslides with the fluvial network: Implications for landslide sediment transport after the 2008 Wenchuan earthquake. Journal of Geophysical Research F: Earth Surface, 2016, 121, 703-724.	2.8	96

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19	Plant leaf wax biomarkers capture gradients in hydrogen isotopes of precipitation from the Andes and Amazon. Geochimica Et Cosmochimica Acta, 2016, 182, 155-172.	3.9	94
20	Dilution of 10Be in detrital quartz by earthquake-induced landslides: Implications for determining denudation rates and potential to provide insights into landslide sediment dynamics. Earth and Planetary Science Letters, 2014, 396, 143-153.	4.4	84
21	Damâ€triggered organic carbon sequestration makes the Changjiang (Yangtze) river basin (China) a significant carbon sink. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 39-53.	3.0	74
22	Chemical reactions, porosity, and microfracturing in shale during weathering: The effect of erosion rate. Geochimica Et Cosmochimica Acta, 2020, 269, 63-100.	3.9	68
23	Leaf wax biomarkers in transit record river catchment composition. Geophysical Research Letters, 2014, 41, 6420-6427.	4.0	66
24	New views on â€œoldâ€•carbon in the Amazon River: Insight from the source of organic carbon eroded from the Peruvian Andes. Geochemistry, Geophysics, Geosystems, 2013, 14, 1644-1659.	2.5	63
25	Storm-triggered landslides in the Peruvian Andes and implications for topography, carbon cycles, and biodiversity. Earth Surface Dynamics, 2016, 4, 47-70.	2.4	60
26	A lithium-isotope perspective on the evolution of carbon and silicon cycles. Nature, 2021, 595, 394-398.	27.8	56
27	Model predictions of long-lived storage of organic carbon in river deposits. Earth Surface Dynamics, 2017, 5, 711-730.	2.4	53
28	Dual isotope evidence for sedimentary integration of plant wax biomarkers across an Andes-Amazon elevation transect. Geochimica Et Cosmochimica Acta, 2018, 242, 64-81.	3.9	53
29	The hydrological regime of a forested tropical Andean catchment. Hydrology and Earth System Sciences, 2014, 18, 5377-5397.	4.9	48
30	Geomorphic control on the Î´¹⁵N of mountain forests. Biogeosciences, 2013, 10, 1693-1705.	3.3	46
31	Lithium isotope evidence for enhanced weathering and erosion during the Paleocene-Eocene Thermal Maximum. Science Advances, 2021, 7, eabh4224.	10.3	44
32	Andean sponges reveal long-term benthic ecosystem shifts following the end-Triassic mass extinction. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 420, 193-209.	2.3	43
33	Earthquakes drive focused denudation along a tectonically active mountain front. Earth and Planetary Science Letters, 2017, 472, 253-265.	4.4	43
34	Initiation and Runout of Postâ€Seismic Debris Flows: Insights From the 2015 Gorkha Earthquake. Geophysical Research Letters, 2019, 46, 9658-9668.	4.0	40
35	Source to sink: Evolution of lignin composition in the Madre de Dios River system with connection to the Amazon basin and offshore. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1316-1338.	3.0	39
36	Duration of and decoupling between carbon isotope excursions during the end-Triassic mass extinction and Central Atlantic Magmatic Province emplacement. Earth and Planetary Science Letters, 2017, 473, 227-236.	4.4	37

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37	The effects of diagenesis on lithium isotope ratios of shallow marine carbonates. Numerische Mathematik, 2020, 320, 150-184.	1.4	37
38	Landslide-driven drainage divide migration. Geology, 2018, 46, 403-406.	4.4	36
39	Tropical soil profiles reveal the fate of plant wax biomarkers during soil storage. Organic Geochemistry, 2019, 128, 1-15.	1.8	35
40	Mixing as a driver of temporal variations in river hydrochemistry: 2. Major and trace element concentration dynamics in the Andesâ€Amazon transition. Water Resources Research, 2017, 53, 3120-3145.	4.2	33
41	Characteristic landslide distributions: An investigation of landscape controls on landslide size. Earth and Planetary Science Letters, 2020, 539, 116203.	4.4	33
42	Seismically enhanced solute fluxes in the Yangtze River headwaters following the A.D. 2008 Wenchuan earthquake. Geology, 2016, 44, 47-50.	4.4	31
43	Evaluating U-series tools for weathering rate and duration on a soil sequence of known ages. Earth and Planetary Science Letters, 2013, 374, 24-35.	4.4	30
44	Earthquake-triggered increase in biospheric carbon export from a mountain belt. Geology, 2016, 44, 471-474.	4.4	28
45	Erosion of organic carbon from the Andes and its effects on ecosystem carbon dioxide balance. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 449-469.	3.0	28
46	Mixing as a driver of temporal variations in river hydrochemistry: 1. Insights from conservative tracers in the <scp>A</scp>ndesâ€<scp>A</scp>mazon transition. Water Resources Research, 2017, 53, 3102-3119.	4.2	27
47	Ge and Si isotope signatures in rivers: A quantitative multi-proxy approach. Earth and Planetary Science Letters, 2018, 503, 194-215.	4.4	27
48	Lithium isotope composition of modern and fossilized Cenozoic brachiopods. Geology, 2020, 48, 1058-1061.	4.4	25
49	Monsoonal control on a delayed response of sedimentation to the 2008 Wenchuan earthquake. Science Advances, 2019, 5, eaav7110.	10.3	20
50	The isotopic composition and fluxes of particulate organic carbon exported from the eastern margin of the Tibetan Plateau. Geochimica Et Cosmochimica Acta, 2019, 252, 1-15.	3.9	18
51	Links between climate, erosion, uplift, and topography during intracontinental mountain building of the Hangay Dome, Mongolia. Geochemistry, Geophysics, Geosystems, 2013, 14, 5171-5193.	2.5	17
52	Weathering dynamics reflected by the response of riverine uranium isotope disequilibrium to changes in denudation rate. Earth and Planetary Science Letters, 2018, 500, 136-144.	4.4	17
53	From Andes to Amazon: Assessing Branched Tetraether Lipids as Tracers for Soil Organic Carbon in the Madre de Dios River System. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005270.	3.0	17
54	High natural erosion rates are the backdrop for present-day soil erosion in the agricultural Middle Hills of Nepal. Earth Surface Dynamics, 2015, 3, 363-387.	2.4	15

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55	The impact of stormâ€triggered landslides on sediment dynamics and catchmentâ€wide denudation rates in the southern Central Range of Taiwan following the extreme rainfall event of Typhoon Morakot. Earth Surface Processes and Landforms, 2020, 45, 548-564.	2.5	14
56	Erosion-driven drawdown of atmospheric carbon dioxide: The organic pathway. Applied Geochemistry, 2011, 26, S285-S287.	3.0	13
57	Competing Effects of Mountain Uplift and Landslide Erosion Over Earthquake Cycles. Journal of Geophysical Research: Solid Earth, 2019, 124, 5101-5133.	3.4	13
58	Ge and Si Isotope Behavior During Intense Tropical Weathering and Ecosystem Cycling. Global Biogeochemical Cycles, 2020, 34, e2019GB006522.	4.9	12
59	Organic carbon burial by river meandering partially offsets bank erosion carbon fluxes in a discontinuous permafrost floodplain. Earth Surface Dynamics, 2022, 10, 421-435.	2.4	12
60	Trans-Amazon Drilling Project (TADP): origins and evolution of the forests, climate, and hydrology of the South American tropics. Scientific Drilling, 0, 20, 41-49.	0.6	11
61	Changes in the size partitioning of metals in storm runoff following wildfires: Implications for the transport of bioactive trace metals. Applied Geochemistry, 2017, 83, 62-71.	3.0	10
62	Delivery of Metals and Dissolved Black Carbon to the Southern California Coastal Ocean via Aerosols and Floodwaters Following the 2017 Thomas Fire. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006117.	3.0	10
63	Conservative transport of dissolved sulfate across the Rio Madre de Dios floodplain in Peru. Geology, 2021, 49, 1064-1068.	4.4	9
64	Coal fly ash is a major carbon flux in the Chang Jiang (Yangtze River) basin. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	7
65	Evaluation of highâ€resolution DEMs from satellite imagery for geomorphic applications: A case study using the SETSM algorithm. Earth Surface Processes and Landforms, 0, , .	2.5	6
66	The imprint of erosion by glacial lake outburst floods in the topography of central Himalayan rivers. Earth Surface Dynamics, 2022, 10, 705-722.	2.4	6
67	Chapter 5. Distribution of Earthquake-Triggered Landslides across Landscapes: Towards Understanding Erosional Agency and Cascading Hazards. , 2018, , 160-190.		4
68	The role of earthquake-induced landslides in erosion and weathering from active mountain ranges: Progress and perspectives. Science China Earth Sciences, 2021, 64, 2069.	5.2	4
69	Nearâ€Surface Geomechanical Properties and Weathering Characteristics Across a Tectonic and Climatic Gradient in the Central Nepal Himalaya. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	2.8	4
70	Marine Ecological State-Shifts Following the Triassicâ€“Jurassic Mass Extinction. The Paleontological Society Papers, 2015, 21, 121-136.	0.6	3
71	Exposure dating of detrital magnetite using ³He enabled by microCT and calibration of the cosmogenic ³He production rate in magnetite. Geochronology, 2021, 3, 395-414.	2.5	3
72	Impact of River Channel Lateral Migration on Microbial Communities across a Discontinuous Permafrost Floodplain. Applied and Environmental Microbiology, 2021, 87, e0133921.	3.1	3