

A Joshua West

List of Publications by Year in descending order

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72
papers

4,855
citations

101543

36
h-index

95266

68
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86
all docs

86
docs citations

86
times ranked

4534
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-surface Geomechanical Properties and Weathering Characteristics Across a Tectonic and Climatic Gradient in the Central Nepal Himalaya. <i>Journal of Geophysical Research F: Earth Surface</i> , 2022, 127, .	2.8	4
2	Organic carbon burial by river meandering partially offsets bank erosion carbon fluxes in a discontinuous permafrost floodplain. <i>Earth Surface Dynamics</i> , 2022, 10, 421-435.	2.4	12
3	The imprint of erosion by glacial lake outburst floods in the topography of central Himalayan rivers. <i>Earth Surface Dynamics</i> , 2022, 10, 705-722.	2.4	6
4	Delivery of Metals and Dissolved Black Carbon to the Southern California Coastal Ocean via Aerosols and Floodwaters Following the 2017 Thomas Fire. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006117.	3.0	10
5	Conservative transport of dissolved sulfate across the Rio Madre de Dios floodplain in Peru. <i>Geology</i> , 2021, 49, 1064-1068.	4.4	9
6	Coal fly ash is a major carbon flux in the Chang Jiang (Yangtze River) basin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	7
7	A lithium-isotope perspective on the evolution of carbon and silicon cycles. <i>Nature</i> , 2021, 595, 394-398.	27.8	56
8	Exposure dating of detrital magnetite using ^{3}He enabled by microCT and calibration of the cosmogenic ^{3}He production rate in magnetite. <i>Geochronology</i> , 2021, 3, 395-414.	2.5	3
9	Impact of River Channel Lateral Migration on Microbial Communities across a Discontinuous Permafrost Floodplain. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0133921.	3.1	3
10	Lithium isotope evidence for enhanced weathering and erosion during the Paleocene-Eocene Thermal Maximum. <i>Science Advances</i> , 2021, 7, eabh4224.	10.3	44
11	The role of earthquake-induced landslides in erosion and weathering from active mountain ranges: Progress and perspectives. <i>Science China Earth Sciences</i> , 2021, 64, 2069.	5.2	4
12	Chemical reactions, porosity, and microfracturing in shale during weathering: The effect of erosion rate. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 269, 63-100.	3.9	68
13	The impact of storm-triggered landslides on sediment dynamics and catchment-wide denudation rates in the southern Central Range of Taiwan following the extreme rainfall event of Typhoon Morakot. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 548-564.	2.5	14
14	From Andes to Amazon: Assessing Branched Tetraether Lipids as Tracers for Soil Organic Carbon in the Madre de Dios River System. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005270.	3.0	17
15	Lithium isotope composition of modern and fossilized Cenozoic brachiopods. <i>Geology</i> , 2020, 48, 1058-1061.	4.4	25
16	Ge and Si Isotope Behavior During Intense Tropical Weathering and Ecosystem Cycling. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019GB006522.	4.9	12
17	Mountains, erosion and the carbon cycle. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 284-299.	29.7	167
18	Characteristic landslide distributions: An investigation of landscape controls on landslide size. <i>Earth and Planetary Science Letters</i> , 2020, 539, 116203.	4.4	33

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19	The effects of diagenesis on lithium isotope ratios of shallow marine carbonates. <i>Numerische Mathematik</i> , 2020, 320, 150-184.	1.4	37
20	Initiation and Runout of Post-seismic Debris Flows: Insights From the 2015 Gorkha Earthquake. <i>Geophysical Research Letters</i> , 2019, 46, 9658-9668.	4.0	40
21	Monsoonal control on a delayed response of sedimentation to the 2008 Wenchuan earthquake. <i>Science Advances</i> , 2019, 5, eaav7110.	10.3	20
22	Earthquake-induced Chains of Geologic Hazards: Patterns, Mechanisms, and Impacts. <i>Reviews of Geophysics</i> , 2019, 57, 421-503.	23.0	505
23	Competing Effects of Mountain Uplift and Landslide Erosion Over Earthquake Cycles. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 5101-5133.	3.4	13
24	The isotopic composition and fluxes of particulate organic carbon exported from the eastern margin of the Tibetan Plateau. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 252, 1-15.	3.9	18
25	Tropical soil profiles reveal the fate of plant wax biomarkers during soil storage. <i>Organic Geochemistry</i> , 2019, 128, 1-15.	1.8	35
26	The size, distribution, and mobility of landslides caused by the 2015 Mw7.8 Gorkha earthquake, Nepal. <i>Geomorphology</i> , 2018, 301, 121-138.	2.6	294
27	Landslide-driven drainage divide migration. <i>Geology</i> , 2018, 46, 403-406.	4.4	36
28	Chapter 5. Distribution of Earthquake-Triggered Landslides across Landscapes: Towards Understanding Erosional Agency and Cascading Hazards. , 2018, , 160-190.		4
29	Ge and Si isotope signatures in rivers: A quantitative multi-proxy approach. <i>Earth and Planetary Science Letters</i> , 2018, 503, 194-215.	4.4	27
30	Dual isotope evidence for sedimentary integration of plant wax biomarkers across an Andes-Amazon elevation transect. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 242, 64-81.	3.9	53
31	Weathering dynamics reflected by the response of riverine uranium isotope disequilibrium to changes in denudation rate. <i>Earth and Planetary Science Letters</i> , 2018, 500, 136-144.	4.4	17
32	Erosion of organic carbon from the Andes and its effects on ecosystem carbon dioxide balance. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 449-469.	3.0	28
33	Earthquakes drive focused denudation along a tectonically active mountain front. <i>Earth and Planetary Science Letters</i> , 2017, 472, 253-265.	4.4	43
34	Mixing as a driver of temporal variations in river hydrochemistry: 2. Major and trace element concentration dynamics in the Andes-Amazon transition. <i>Water Resources Research</i> , 2017, 53, 3120-3145.	4.2	33
35	Mixing as a driver of temporal variations in river hydrochemistry: 1. Insights from conservative tracers in the Andes-Amazon transition. <i>Water Resources Research</i> , 2017, 53, 3102-3119.	4.2	27
36	Glacial weathering, sulfide oxidation, and global carbon cycle feedbacks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8716-8721.	7.1	130

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37	Duration of and decoupling between carbon isotope excursions during the end-Triassic mass extinction and Central Atlantic Magmatic Province emplacement. <i>Earth and Planetary Science Letters</i> , 2017, 473, 227-236.	4.4	37
38	Changes in the size partitioning of metals in storm runoff following wildfires: Implications for the transport of bioactive trace metals. <i>Applied Geochemistry</i> , 2017, 83, 62-71.	3.0	10
39	Model predictions of long-lived storage of organic carbon in river deposits. <i>Earth Surface Dynamics</i> , 2017, 5, 711-730.	2.4	53
40	Storm-triggered landslides in the Peruvian Andes and implications for topography, carbon cycles, and biodiversity. <i>Earth Surface Dynamics</i> , 2016, 4, 47-70.	2.4	60
41	The acid and alkalinity budgets of weathering in the Andes–Amazon system: Insights into the erosional control of global biogeochemical cycles. <i>Earth and Planetary Science Letters</i> , 2016, 450, 381-391.	4.4	103
42	Earthquake-triggered increase in biospheric carbon export from a mountain belt. <i>Geology</i> , 2016, 44, 471-474.	4.4	28
43	Mercury anomalies and the timing of biotic recovery following the end-Triassic mass extinction. <i>Nature Communications</i> , 2016, 7, 11147.	12.8	187
44	Source to sink: Evolution of lignin composition in the Madre de Dios River system with connection to the Amazon basin and offshore. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1316-1338.	3.0	39
45	Connectivity of earthquake-triggered landslides with the fluvial network: Implications for landslide sediment transport after the 2008 Wenchuan earthquake. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 703-724.	2.8	96
46	Plant leaf wax biomarkers capture gradients in hydrogen isotopes of precipitation from the Andes and Amazon. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 182, 155-172.	3.9	94
47	Seismically enhanced solute fluxes in the Yangtze River headwaters following the A.D. 2008 Wenchuan earthquake. <i>Geology</i> , 2016, 44, 47-50.	4.4	31
48	Marine Ecological State-Shifts Following the Triassic–Jurassic Mass Extinction. <i>The Paleontological Society Papers</i> , 2015, 21, 121-136.	0.6	3
49	High natural erosion rates are the backdrop for present-day soil erosion in the agricultural Middle Hills of Nepal. <i>Earth Surface Dynamics</i> , 2015, 3, 363-387.	2.4	15
50	Dam-triggered organic carbon sequestration makes the Changjiang (Yangtze) river basin (China) a significant carbon sink. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 39-53.	3.0	74
51	Controls on fluvial evacuation of sediment from earthquake-triggered landslides. <i>Geology</i> , 2015, 43, 115-118.	4.4	115
52	Andean sponges reveal long-term benthic ecosystem shifts following the end-Triassic mass extinction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 420, 193-209.	2.3	43
53	Geomorphic regime modulates hydrologic control of chemical weathering in the Andes–Amazon. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 166, 105-128.	3.9	98
54	The hydrological regime of a forested tropical Andean catchment. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 5377-5397.	4.9	48

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55	Sulphide oxidation and carbonate dissolution as a source of CO ₂ over geological timescales. <i>Nature</i> , 2014, 507, 346-349.	27.8	239
56	Evolution of Cenozoic seawater lithium isotopes: Coupling of global denudation regime and shifting seawater sinks. <i>Earth and Planetary Science Letters</i> , 2014, 401, 284-293.	4.4	98
57	Global chemical weathering and associated P-release – The role of lithology, temperature and soil properties. <i>Chemical Geology</i> , 2014, 363, 145-163.	3.3	215
58	Dilution of ¹⁰ Be in detrital quartz by earthquake-induced landslides: Implications for determining denudation rates and potential to provide insights into landslide sediment dynamics. <i>Earth and Planetary Science Letters</i> , 2014, 396, 143-153.	4.4	84
59	Leaf wax biomarkers in transit record river catchment composition. <i>Geophysical Research Letters</i> , 2014, 41, 6420-6427.	4.0	66
60	Seismic mountain building: Landslides associated with the 2008 Wenchuan earthquake in the context of a generalized model for earthquake volume balance. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 833-844.	2.5	157
61	Evaluating U-series tools for weathering rate and duration on a soil sequence of known ages. <i>Earth and Planetary Science Letters</i> , 2013, 374, 24-35.	4.4	30
62	New views on –carbon in the Amazon River: Insight from the source of organic carbon eroded from the Peruvian Andes. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 1644-1659.	2.5	63
63	Links between climate, erosion, uplift, and topography during intracontinental mountain building of the Hangay Dome, Mongolia. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5171-5193.	2.5	17
64	Geomorphic control on the ¹⁵ N of mountain forests. <i>Biogeosciences</i> , 2013, 10, 1693-1705.	3.3	46
65	Thickness of the chemical weathering zone and implications for erosional and climatic drivers of weathering and for carbon-cycle feedbacks. <i>Geology</i> , 2012, 40, 811-814.	4.4	181
66	Erosion-driven drawdown of atmospheric carbon dioxide: The organic pathway. <i>Applied Geochemistry</i> , 2011, 26, S285-S287.	3.0	13
67	Contribution of deep groundwater to the weathering budget in a rapidly eroding mountain belt, Taiwan. <i>Earth and Planetary Science Letters</i> , 2011, 303, 48-58.	4.4	129
68	Mobilization and transport of coarse woody debris to the oceans triggered by an extreme tropical storm. <i>Limnology and Oceanography</i> , 2011, 56, 77-85.	3.1	162
69	The short term climatic sensitivity of carbonate and silicate weathering fluxes: Insight from seasonal variations in river chemistry. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 2737-2754.	3.9	245
70	Small-catchment perspective on Himalayan weathering fluxes. <i>Geology</i> , 2002, 30, 355.	4.4	96
71	Trans-Amazon Drilling Project (TADP): origins and evolution of the forests, climate, and hydrology of the South American tropics. <i>Scientific Drilling</i> , 0, 20, 41-49.	0.6	11
72	Evaluation of high-resolution DEMs from satellite imagery for geomorphic applications: A case study using the SETSM algorithm. <i>Earth Surface Processes and Landforms</i> , 0, , .	2.5	6