

Joel E Saylor

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

3,220
citations

147801

31
h-index

206112

48
g-index

64
all docs

64
docs citations

64
times ranked

2576
citing authors

#	ARTICLE	IF	CITATIONS
1	Basin evolution in response to flat-slab subduction in the Altiplano. <i>Journal of the Geological Society</i> , 2022, 179, .	2.1	4
2	Effects of contemporaneous orogenesis on sedimentation in the Late Cretaceous Western Interior Basin, northern Utah and southwestern Wyoming. <i>Basin Research</i> , 2022, 34, 366-392.	2.7	3
3	Crustal Thickening of the Northern Central Andean Plateau Inferred From Trace Elements in Zircon. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	14
4	Rapid surface uplift and crustal flow in the Central Andes (southern Peru) controlled by lithospheric drip dynamics. <i>Scientific Reports</i> , 2022, 12, 5500.	3.3	6
5	Megathrust Heterogeneity, Crustal Accretion, and a Topographic Embayment in the Western Nepal Himalaya: Insights From the Inversion of Thermochronological Data. <i>Tectonics</i> , 2022, 41, .	2.8	4
6	Two-Dimensional Quantitative Comparison of Density Distributions in Detrital Geochronology and Geochemistry. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009559.	2.5	19
7	Anti-Phase Strengthening of the South and East Asian Summer Monsoons During the Early Pliocene Driven by Southern Hemisphere Ice Volume. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2021PA004211.	2.9	1
8	Detrital zircon geochronology and provenance of the Middle to Late Jurassic Paradox Basin and Central Colorado trough: Paleogeographic implications for southwestern Laurentia. , 2021, 17, 1494-1516.		3
9	Tracking Proterozoic-Triassic sediment routing to western Laurentia via bivariate non-negative matrix factorization of detrital provenance data. <i>Journal of the Geological Society</i> , 2021, 178, .	2.1	6
10	Drainage reorganization and Laramide tectonics in north-central New Mexico and downstream effects in the Gulf of Mexico. <i>Basin Research</i> , 2020, 32, 419-452.	2.7	9
11	Magnetic polarity stratigraphy, provenance, and paleoclimate analysis of Cenozoic strata in the Qaidam Basin, NE Tibetan Plateau. <i>Bulletin of the Geological Society of America</i> , 2020, 132, 310-320.	3.3	94
12	Temperature Control on Silicate Weathering Intensity and Evolution of the Neogene East Asian Summer Monsoon. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088808.	4.0	35
13	Laramide Orogenesis Driven by Late Cretaceous Weakening of the North American Lithosphere. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019570.	3.4	19
14	Orbital Forcing of Late Miocene-Early Pleistocene Environmental Change in the Zhada Basin, SW Tibetan Plateau. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003781.	2.9	3
15	Provenance of Pennsylvanian-Permian sedimentary rocks associated with the Ancestral Rocky Mountains orogeny in southwestern Laurentia: Implications for continental-scale Laurentian sediment transport systems. <i>Lithosphere</i> , 2020, 12, 88-121.	1.4	36
16	HINTERLAND BASIN GEODYNAMICS: IMPLICATIONS OF LU-HF AND U-PB ANALYSES OF ZIRCON FROM THE TINCOPALCA BASIN, PERU. , 2020, , .		1
17	Provenance Control on Chemical Weathering Index of Fluvio-Lacustrine Sediments: Evidence From the Qaidam Basin, NE Tibetan Plateau. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 3216-3224.	2.5	17
18	Discriminating mechanisms for coarse clastic progradation in the Colombian foreland basin using detrital zircon double dating. , 2019, , 133-171.		3

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19	Provenance and recycling of detrital zircons from Cenozoic Altiplano strata and the crustal evolution of western South America from combined U-Pb and Lu-Hf isotopic analysis. , 2019, , 363-397.		30
20	Detrital-Zircon U-Pb Paleodrainage Reconstruction and Geochronology of the Campanian Blackhawkâ€“Castlegate Succession, Wasatch Plateau and Book Cliffs, Utah, U.S.A.. Journal of Sedimentary Research, 2019, 89, 273-292.	1.6	23
21	Implications of variable late Cenozoic surface uplift across the Peruvian central Andes. Scientific Reports, 2019, 9, 4877.	3.3	52
22	Characterizing sediment sources by non-negative matrix factorization of detrital geochronological data. Earth and Planetary Science Letters, 2019, 512, 46-58.	4.4	36
23	CENTRAL COLORADO TROUGH SEDIMENT SOURCE ISOLATION: PETROCHRONOLOGIC SOURCE DISCRIMINATION APPLIED TO AN ANCESTRAL ROCKY MOUNTAIN BASIN. , 2019, , .		1
24	Topographic growth of the Jishi Shan and its impact on basin and hydrology evolution, <scp>NE</scp> Tibetan Plateau. Basin Research, 2018, 30, 544-563.	2.7	102
25	Tectonic controls on Late Cretaceous sediment provenance and stratigraphic architecture in the Book Cliffs, Utah. Bulletin of the Geological Society of America, 2018, 130, 1763-1781.	3.3	15
26	Peruvian Altiplano Stratigraphy Highlights Alongâ€“Strike Variability in Foreland Basin Evolution of the Cenozoic Central Andes. Tectonics, 2018, 37, 1876-1904.	2.8	20
27	Unmixing detrital geochronology age distributions. Geochemistry, Geophysics, Geosystems, 2017, 18, 2872-2886.	2.5	124
28	Tectonic Evolution of the Central Andean Plateau and Implications for the Growth of Plateaus. Annual Review of Earth and Planetary Sciences, 2017, 45, 529-559.	11.0	127
29	UNMIXING DETRITAL ZIRCON U-PB AGE DISTRIBUTIONS. , 2017, , .		1
30	LARAMIDE-DRIVEN EROSION, INTERMONTANE BASIN FILL, AND DRAINAGE REORGANIZATION IN NORTH-CENTRAL NEW MEXICO. , 2017, , .		0
31	THE TECTONIC EVOLUTION OF THE CENTRAL ANDEAN PLATEAU AND GEODYNAMIC IMPLICATIONS FOR THE GROWTH OF PLATEAUS. , 2017, , .		0
32	HETEROGENEITY IN THE UNCOMPAHGRE UPLIFT REFLECTED IN PROXIMAL-DISTAL SEDIMENT MIXING IN THE PARADOX BASIN. , 2017, , .		0
33	Tectonic and climate controls on Neogene environmental change in the Zhada Basin, southwestern Tibetan Plateau. Geology, 2016, 44, 919-922.	4.4	16
34	Stable isotope variations ($\delta^{18}O$ and δ^2D) in modern waters across the Andean Plateau. Geochimica Et Cosmochimica Acta, 2016, 194, 310-324.	3.9	45
35	Andean topographic growth and basement uplift in southern Colombia: Implications for the evolution of the Magdalena, Orinoco, and Amazon river systems. , 2016, 12, 1235-1256.		67
36	Quantifying comparison of large detrital geochronology data sets. , 2016, 12, 203-220.		217

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37	Growth of the Qaidam Basin during Cenozoic exhumation in the northern Tibetan Plateau: Inferences from depositional patterns and multiproxy detrital provenance signatures. <i>Lithosphere</i> , 2016, 8, 58-82.	1.4	123
38	Application of detrital zircon U-Pb geochronology to surface and subsurface correlations of provenance, paleodrainage, and tectonics of the Middle Magdalena Valley Basin of Colombia. , 2015, 11, 1790-1811.		78
39	Punctuated shortening and subsidence in the Altiplano Plateau of southern Peru: Implications for early Andean mountain building. <i>Lithosphere</i> , 2015, 7, 117-137.	1.4	32
40	High late Miocene–Pliocene elevation of the Zhada Basin, southwestern Tibetan Plateau, from carbonate clumped isotope thermometry. <i>Bulletin of the Geological Society of America</i> , 2015, 127, 181-199.	3.3	70
41	Paleoelevation records from lipid biomarkers: Application to the tropical Andes. <i>Bulletin of the Geological Society of America</i> , 2015, 127, 1604-1616.	3.3	42
42	Loess Plateau storage of Northeastern Tibetan Plateau-derived Yellow River sediment. <i>Nature Communications</i> , 2015, 6, 8511.	12.8	283
43	Hyperspectral imaging for the determination of bitumen content in Athabasca oil sands core samples. <i>AAPG Bulletin</i> , 2015, 99, 1407-1453.	1.5	56
44	Sources of local and regional variability in the MBT–CBT paleotemperature proxy: Insights from a modern elevation transect across the Eastern Cordillera of Colombia. <i>Organic Geochemistry</i> , 2014, 69, 42-51.	1.8	38
45	Nonuniform surface uplift of the Andean plateau revealed by deuterium isotopes in Miocene volcanic glass from southern Peru. <i>Earth and Planetary Science Letters</i> , 2014, 387, 120-131.	4.4	75
46	Mixing of Source Populations Recorded in Detrital Zircon U-Pb Age Spectra of Modern River Sands. <i>Journal of Geology</i> , 2013, 121, 17-33.	1.4	86
47	Mio-Pleistocene Zanda Basin biostratigraphy and geochronology, pre-Ice Age fauna, and mammalian evolution in western Himalaya. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 374, 81-95.	2.3	47
48	Discriminating rapid exhumation from syndepositional volcanism using detrital zircon double dating: Implications for the tectonic history of the Eastern Cordillera, Colombia. <i>Bulletin of the Geological Society of America</i> , 2012, 124, 762-779.	3.3	93
49	Structural and thermochronological evidence for Paleogene basement-involved shortening in the axial Eastern Cordillera, Colombia. <i>Journal of South American Earth Sciences</i> , 2012, 39, 202-215.	1.4	46
50	Integrated provenance analysis of a convergent retroarc foreland system: U–Pb ages, heavy minerals, Nd isotopes, and sandstone compositions of the Middle Magdalena Valley basin, northern Andes, Colombia. <i>Earth-Science Reviews</i> , 2012, 110, 111-126.	9.1	143
51	Evaluating foreland basin partitioning in the northern Andes using Cenozoic fill of the Floresta basin, Eastern Cordillera, Colombia. <i>Basin Research</i> , 2011, 23, 377-402.	2.7	49
52	Out of Tibet: Pliocene Woolly Rhino Suggests High-Plateau Origin of Ice Age Megaherbivores. <i>Science</i> , 2011, 333, 1285-1288.	12.6	164
53	Resolving uplift of the northern Andes using detrital zircon age signatures. <i>GSA Today</i> , 2010, , 4-10.	2.0	81
54	Linking sedimentation in the northern Andes to basement configuration, Mesozoic extension, and Cenozoic shortening: Evidence from detrital zircon U-Pb ages, Eastern Cordillera, Colombia. <i>Bulletin of the Geological Society of America</i> , 2010, 122, 1423-1442.	3.3	153

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55	Climate-driven environmental change in the Zhada basin, southwestern Tibetan Plateau. , 2010, 6, 74-92.		26
56	Tracking exhumation of Andean ranges bounding the Middle Magdalena Valley Basin, Colombia. Geology, 2010, 38, 451-454.	4.4	67
57	Basin formation in the High Himalaya by arc-parallel extension and tectonic damming: Zhada basin, southwestern Tibet. Tectonics, 2010, 29, n/a-n/a.	2.8	47
58	Late Miocene topographic inversion in southwest Tibet based on integrated paleoelevation reconstructions and structural history. Earth and Planetary Science Letters, 2009, 282, 1-9.	4.4	78
59	Controls on the isotopic composition of surface water and precipitation in the Northern Andes, Colombian Eastern Cordillera. Geochimica Et Cosmochimica Acta, 2009, 73, 6999-7018.	3.9	39
60	The late Miocene through present paleoelevation history of southwestern Tibet. Numerische Mathematik, 2009, 309, 1-42.	1.4	147
61	Introduction to the special issue "Tibetan tectonics and its effect on the long-term evolution of climate, vegetation and environment" Terra Nova, 0, , .	2.1	0