Frank J Pazzaglia

List of Publications by Year
in descending order

51	2,838	147726	233338
papers	citations	31 h-index	45 g-index

51	51	51	2299
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Fluvial Record of Long-term Steady-state Uplift and Erosion Across the Cascadia Forearc High, Western Washington State. Numerische Mathematik, 2001, 301, 385-431.	0.7	249
2	Geomorphic expression of active tectonics in a rapidly-deforming forearc, Sila massif, Calabria, southern Italy. Numerische Mathematik, 2004, 304, 559-589.	0.7	214
3	A new active tectonic model for the construction of the Northern Apennines mountain front near Bologna (Italy). Journal of Geophysical Research, 2008, 113, .	3.3	157
4	Late Quaternary fluvial terraces of the Romagna and Marche Apennines, Italy: Climatic, lithologic, and tectonic controls on terrace genesis in an active orogen. Quaternary Science Reviews, 2009, 28, 137-165.	1.4	152
5	Holocene strath terraces, climate change, and active tectonics: The Clearwater River basin, Olympic Peninsula, Washington State. Bulletin of the Geological Society of America, 2002, 114, 731-744.	1.6	132
6	Macrogeomorphic evolution of the post-Triassic Appalachian mountains determined by deconvolution of the offshore basin sedimentary record. Basin Research, 1996, 8, 255-278.	1.3	128
7	Late Cenozoic flexural deformation of the middle U.S. Atlantic passive margin. Journal of Geophysical Research, 1994, 99, 12143-12157.	3.3	125
8	Quantitative testing of bedrock incision models for the Clearwater River, NW Washington State. Journal of Geophysical Research, 2003, 108, .	3.3	116
9	Knickpoint evolution in a vertically bedded substrate, upstream-dipping terraces, and Atlantic slope bedrock channels. Bulletin of the Geological Society of America, 2007, 119, 476-486.	1.6	100
10	Bedrock fluvial incision and longitudinal profile development over geologic time scales determined by fluvial terraces. Geophysical Monograph Series, 1998, , 207-235.	0.1	95
11	Climatic influences on profile concavity and river incision. Journal of Geophysical Research, 2005, 110, .	3.3	87
12	Knickzone propagation in the Black Hills and northern High Plains: A different perspective on the late Cenozoic exhumation of the Laramide Rocky Mountains. Geology, 2001, 29, 547.	2.0	85
13	Fluvial terraces of the lower Susquehanna River. Geomorphology, 1993, 8, 83-113.	1.1	74
14	Cosmogenic 10Be as a tracer for hillslope and channel sediment dynamics in the Clearwater River, western Washington State. Earth and Planetary Science Letters, 2007, 264, 123-135.	1.8	64
15	Measuring the Impact of Urbanization on Channel Widths Using Historic Aerial Photographs and Modern Surveys¹. Journal of the American Water Resources Association, 2008, 44, 948-960.	1.0	62
16	Evolution of continental-scale drainage in response to mantle dynamics and surface processes: An example from the Ethiopian Highlands. Geomorphology, 2016, 261, 12-29.	1.1	57
17	Effects of urbanization on watershed hydrology: The scaling of discharge with drainage area. Geology, 2006, 34, 713.	2.0	55
18	The dynamic reference frame of rivers and apparent transience in incision rates. Geology, 2015, 43, 623-626.	2.0	52

#	Article	IF	Citations
19	Orogenâ€scale drainage network evolution and response to erodibility changes: insights from numerical experiments. Earth Surface Processes and Landforms, 2014, 39, 1259-1268.	1.2	49
20	Thrust-fold activity at the mountain front of the Northern Apennines (Italy) from quantitative landscape analysis. Geomorphology, 2010, 123, 211-231.	1.1	48
21	Knickpoint evolution on the Yarlung river: Evidence for late Cenozoic uplift of the southeastern Tibetan plateau margin. Earth and Planetary Science Letters, 2015, 430, 448-457.	1.8	48
22	Landscape evolution models. Developments in Quaternary Sciences, 2003, , 247-274.	0.1	46
23	A soil chronosequence study of the Reno valley, Italy: Insights into the relative role of climate versus anthropogenic forcing on hillslope processes during the mid-Holocene. Geoderma, 2008, 147, 97-107.	2.3	46
24	Stratigraphy, petrography, and correlation of late Cenozoic middle Atlantic Coastal Plain deposits: Implications for late-stage passive-margin geologic evolution. Bulletin of the Geological Society of America, 1993, 105, 1617-1634.	1.6	45
25	Mineral, Virginia, earthquake illustrates seismicity of a passiveâ€aggressive margin. Geophysical Research Letters, 2012, 39, .	1.5	42
26	Knickpoints as geomorphic markers of active tectonics: A case study from northeastern Sicily (southern Italy). Lithosphere, 2016, 8, 633-648.	0.6	41
27	Tectonic geomorphology of the Red Rock fault, insights into segmentation and landscape evolution of a developing range front normal fault. Journal of Structural Geology, 2005, 27, 1925-1939.	1.0	39
28	Position of the Snake River watershed divide as an indicator of geodynamic processes in the greater Yellowstone region, western North America. , 2007, 3, 272.		38
29	A fluvial record of active faultâ€propagation folding, Salsomaggiore anticline, northern Apennines, Italy. Journal of Geophysical Research, 2009, 114, .	3.3	38
30	Morphotectonic analysis of the Lunigiana and Garfagnana grabens (northern Apennines, Italy): Implications for active normal faulting. Geomorphology, 2013, 201, 293-311.	1.1	36
31	Topographic expression of active faults in the foothills of the Northern Apennines. Tectonophysics, 2009, 474, 285-294.	0.9	35
32	DEM analyses and morphotectonic interpretation: The Plio-Quaternary evolution of the eastern Ligurian Alps, Italy. Geomorphology, 2012, 149-150, 27-40.	1.1	35
33	Ancient hillslope deposits: Missing links in the study of climate controls on sedimentation. Geology, 2000, 28, 27.	2.0	33
34	Tectonic Geomorphology of the Sierra Nacimiento: Traditional and New Techniques in Assessing Longâ€Term Landscape Evolution in the Southern Rocky Mountains. Journal of Geology, 1998, 106, 433-454.	0.7	29
35	Comparing the modern, Quaternary, and Neogene records of climate-controlled hillslope sedimentation in southeast Nevada. Bulletin of the Geological Society of America, 2001, 113, 305-319.	1.6	26
36	Epeirogenic Controls on Canadian River Incision and Landscape Evolution, Great Plains of Northeastern New Mexico. Journal of Geology, 2002, 110, 437-456.	0.7	25

#	Article	IF	Citations
37	Fault slip rate variability on 104â€“105yr timescales for the Salsomaggiore blind thrust fault, Northern Apennines, Italy. Tectonophysics, 2013, 608, 356-365.	0.9	23
38	Reassessing Eastern Mediterranean Tectonics and Earthquake Hazard From the 365 CE Earthquake. AGU Advances, 2021, 2, e2020AV000315.	2.3	18
39	Exogenic forcing and autogenic processes on continental divide location and mobility. Basin Research, 2018, 30, 344-369.	1.3	17
40	Rock-magnetic cyclostratigraphy for the Late Plioceneâ€“Early Pleistocene Stirone section, Northern Apennine mountain front, Italy. Geological Society Special Publication, 2013, 373, 309-323.	0.8	15
41	Intrinsically Variable Blind Thrust Faulting. Tectonics, 2018, 37, 1454-1471.	1.3	12
42	Mountain fronts, base-level fall, and landscape evolution: Insights from the southern Rocky Mountains. , 2006, , .		10
43	Evidence for active folding and faulting at the northern Apennines mountain front near Bologna, Italy from high resolution seismic reflection profiling. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	9
44	Accommodation, slip inversion, and fault segmentation in a province-scale shear zone from high-resolution, densely spaced wide-aperture seismic profiling, Centennial Valley, MT, USA. Scientific Reports, 2019, 9, 9214.	1.6	7
45	River Terrace Evidence of Tectonic Processes in the Eastern North American Plate Interior, South Anna River, Virginia. Journal of Geology, 2021, 129, 595-624.	0.7	7
46	Late Pleistocene â€“ Holocene ruptures of the Lima Reservoir fault, SW Montana. Journal of Structural Geology, 2010, 32, 1996-2008.	1.0	6
47	Characterization of the Monument Hill fault system and implications for the active tectonics of the Red Rock Valley, Southwestern Montana. Journal of Structural Geology, 2007, 29, 1339-1352.	1.0	5
48	Geomorphology, active tectonics, and landscape evolution in the Mid-Atlantic region. GSA Field Guides, 0, , 109-169.	0.0	4
49	POST-MIOCENE DRAINAGE REORGANIZATION IN AN ACTIVE OROGEN, SIERRA NEVADA, BETIC CORDILLERA, SPAIN. , 2018, , .		1
50	Fluvial Terraces. , 2022, , 639-679.		1
51	Application of anisotropy of magnetic susceptibility (AMS) fabrics to determine the kinematics of active tectonics: examples from the Betic Cordillera, Spain, and the Northern Apennines, Italy. Solid Earth, 2021, 12, 1125-1142.	1.2	0