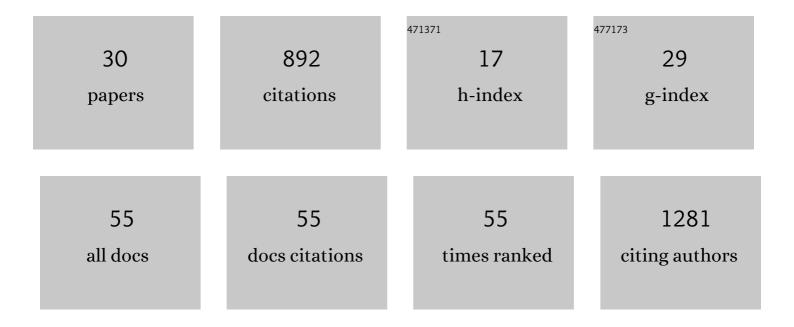
## **Philippe Steer**

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8478890/publications.pdf Version: 2024-02-01



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#	Article	IF	CITATIONS
1	Pulsed carbon export from mountains by earthquake-triggered landslides explored in a reduced-complexity model. Earth Surface Dynamics, 2021, 9, 823-844.	1.0	10
2	The Impact of Lithology on Fjord Morphology. Geophysical Research Letters, 2021, 48, e2021GL093101.	1.5	4
3	Beyond 2D landslide inventories and their rollover: synoptic 3D inventories and volume from repeat lidar data. Earth Surface Dynamics, 2021, 9, 1013-1044.	1.0	18
4	Short communication: Analytical models for 2D landscape evolution. Earth Surface Dynamics, 2021, 9, 1239-1250.	1.0	6
5	Characteristics and possible origins of the seismicity in northwestern France. Comptes Rendus - Geoscience, 2021, 353, 53-77.	0.4	2
6	The Impact of Large Erosional Events and Transient Normal Stress Changes on the Seismicity of Faults. Geophysical Research Letters, 2020, 47, e2020GL087631.	1.5	2
7	Sediment fluxâ€driven channel geometry adjustment of bedrock and mixed gravel–bedrock rivers. Earth Surface Processes and Landforms, 2020, 45, 3714-3731.	1.2	21
8	Earthquake statistics changed by typhoon-driven erosion. Scientific Reports, 2020, 10, 10899.	1.6	15
9	Quantifying sediment mass redistribution from joint time-lapse gravimetry and photogrammetry surveys. Earth Surface Dynamics, 2020, 8, 555-577.	1.0	6
10	HyLands 1.0: a hybrid landscape evolution model to simulate the impact of landslides and landslide-derived sediment on landscape evolution. Geoscientific Model Development, 2020, 13, 3863-3886.	1.3	28
11	Modelling the effects of ice transport and sediment sources on the form of detrital thermochronological age probability distributions from glacial settings. Earth Surface Dynamics, 2020, 8, 931-953.	1.0	4
12	Statistical modelling of co-seismic knickpoint formation and river response to fault slip. Earth Surface Dynamics, 2019, 7, 681-706.	1.0	5
13	Seismic cycles, earthquakes, landslides and sediment fluxes: Linking tectonics to surface processes using a reduced-complexity model. Geomorphology, 2019, 339, 87-103.	1.1	47
14	Coulomb Mechanics and Relief Constraints Explain Landslide Size Distribution. Geophysical Research Letters, 2019, 46, 4258-4266.	1.5	42
15	Assessing modern river sediment discharge to the ocean using satellite gravimetry. Nature Communications, 2018, 9, 3384.	5.8	48
16	A precipitonâ€based approach to model hydroâ€sedimentary hazards induced by large sediment supplies in alluvial fans. Earth Surface Processes and Landforms, 2017, 42, 2054-2067.	1.2	14
17	Typhoonâ€Induced Ground Deformation. Geophysical Research Letters, 2017, 44, 11,004.	1.5	18
18	The impact of extreme El Niño events on modern sediment transport along the western Peruvian Andes (1968–2012). Scientific Reports, 2017, 7, 11947.	1.6	35

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#	Article	IF	CITATIONS
19	Rapid post-seismic landslide evacuation boosted by dynamic river width. Nature Geoscience, 2017, 10, 680-684.	5.4	86
20	Exploring IRSL50 fading variability in bedrock feldspars and implications for OSL thermochronometry. Quaternary Geochronology, 2016, 36, 55-66.	0.6	22
21	Evidence for Eocene–Oligocene glaciation in the landscape of the East Greenland margin. Geology, 2016, 44, 895-898.	2.0	28
22	Threeâ€dimensional numerical simulations of crustal systems undergoing orogeny and subjected to surface processes. Geochemistry, Geophysics, Geosystems, 2014, 15, 4936-4957.	1.0	28
23	Erosion influences the seismicity of active thrust faults. Nature Communications, 2014, 5, 5564.	5.8	66
24	Viscous roots of active seismogenic faults revealed by geologic slip rate variations. Nature Geoscience, 2013, 6, 1036-1040.	5.4	57
25	Erosion-induced isostatic rebound triggers extension in low convergent mountain ranges. Geology, 2013, 41, 467-470.	2.0	81
26	Bimodal Plio–Quaternary glacial erosion of fjords and low-relief surfaces in Scandinavia. Nature Geoscience, 2012, 5, 635-639.	5.4	81
27	Towards the hydrologic and bed load monitoring from high-frequency seismic noise in a braided river: The "torrent de St Pierreâ€ <del>,</del> French Alps. Journal of Hydrology, 2011, 408, 43-53.	2.3	77
28	In-situ characterization of the effective elasticity of a fault zone, and its relationship to fracture spacing. Journal of Structural Geology, 2011, 33, 1541-1553.	1.0	21
29	Surface Lagrangian Remeshing: A new tool for studying long term evolution of continental lithosphere from 2D numerical modelling. Computers and Geosciences, 2011, 37, 1067-1074.	2.0	10

30 Short communication: Analytical models for 2D landscape evolution. , 0, , .

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