Stephane Pochat

List of Publications by Year
in descending order

18 papers	420 citations	687363 13 h-index	888059 17 g-index
18 all docs	18 docs citations	18 times ranked	485 citing authors

#	Article	IF	Citations
1	One million cubic kilometers of fossil ice in Valles Marineris: Relicts of a 3.5Gy old glacial landsystem along the Martian equator. Geomorphology, 2014, 204, 235-255.	2.6	82
2	High-resolution record of tectonic and sedimentary processes in growth strata. Marine and Petroleum Geology, 2009, 26, 1350-1364.	3.3	40
3	Identification of Permian palaeowind direction from wave-dominated lacustrine sediments (Lodeve) Tj ETQq1 1 0.784314 rgBT /Overlock	3.1	34
4	Filling sequence in Late Paleozoic continental basins: A chimera of climate change? A new light shed given by the Graissessacâ€“LodÃ¨ve basin (SE France). Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 302, 170-186.	2.3	31
5	Landform assemblage in Isidis Planitia, Mars: Evidence for a 3 Ga old polythermal ice sheet. Earth and Planetary Science Letters, 2015, 411, 253-267.	4.4	28
6	Using Tâ€“Z plots as a graphical method to infer lithological variations from growth strata. Journal of Structural Geology, 2004, 26, 1425-1432.	2.3	25
7	Permian exhumation of the Montagne Noire core complex recorded in the Graissessacâ€ŁodÃ¨ve Basin, France. Basin Research, 2018, 30, 1-14.	2.7	24
8	Impact of synsedimentary metre-scale normal fault scarps on sediment gravity flow dynamics: An example from the GrÃ¨s dâ€™Annot Formation, SE France. Sedimentary Geology, 2007, 202, 796-820.	2.1	23
9	Modelled subglacial floods and tunnel valleys control the life cycle of transitory ice streams. Cryosphere, 2018, 12, 2759-2772.	3.9	21
10	Loess in eastern equatorial Pangea archives a dusty atmosphere and possible upland glaciation. Bulletin of the Geological Society of America, 2021, 133, 379-392.	3.3	21
11	Experimental modeling of pressurized subglacial water flow: Implications for tunnel valley formation. Journal of Geophysical Research F: Earth Surface, 2016, 121, 2022-2041.	2.8	18
12	A 3 Ga old polythermal ice sheet in Isidis Planitia, Mars: Dynamics and thermal regime inferred from numerical modeling. Earth and Planetary Science Letters, 2015, 426, 176-190.	4.4	17
13	Formation of ribbed bedforms below shear margins and lobes of palaeo-ice streams. Cryosphere, 2021, 15, 2889-2916.	3.9	16
14	How reliable are growth strata in interpreting short-term (10Âs to 100Âs ka) growth structures kinematics?. Comptes Rendus - Geoscience, 2004, 336, 151-158.	1.2	13
15	Formation of murtoos by repeated flooding of ribbed bedforms along subglacial meltwater corridors. Geomorphology, 2022, 408, 108248.	2.6	11
16	Ice-crystal traces imply ephemeral freezing in early Permian equatorial Pangea. Geology, 2021, 49, 1397-1401.	4.4	9
17	Report on ICDP Deep Dust workshops: probing continental climate of the late Paleozoic icehouseâ€“greenhouse transition and beyond. Scientific Drilling, 0, 28, 93-112.	0.6	4
18	Comment on â€œChronostratigraphy and Paleoclimatology of the LodÃ¨ve Basin, France: Evidence for a pan-tropical aridification event across the Carboniferousâ€“Permian boundaryâ€•by Michel, L. A., Tabor, N. J., MontaÃ±ez, I. P., Schmitz, M. D., & Davydov, V. I. (2015). Palaeogeography, Palaeoclimatology, Palaeoecology, 430, 118â€“131. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 441, 997-999.	2.3	3