Pierre G Valla

List of Publications by Year
in descending order

37 papers	1,712 citations	361413 20 h-index	345221 36 g-index
38 all docs	38 docs citations	38 times ranked	1740 citing authors

#	Article	IF	Citations
1	Apatite low-temperature chronometry and microstructures across a hydrothermally active fault zone. Chemical Geology, 2022, 588, 120633.	3.3	4
2	Post-LGM glacial and geomorphic evolution of the Dora Baltea valley (western Italian Alps). Quaternary Science Reviews, 2022, 282, 107446.	3.0	8
3	Deciphering the Cenozoic Exhumation History of the Eastern Pyrenees Along a Crustalâ€Scale Normal Fault Using Lowâ€Temperature Thermochronology. Tectonics, 2022, 41, .	2.8	5
4	Modelling alpine glacier geometry and subglacial erosion patterns in response to contrasting climatic forcing. Earth Surface Processes and Landforms, 2022, 47, 1054-1072.	2.5	5
5	Geomorphic response to the Lateglacialâ€“Holocene transition in high Alpine regions (Sanetsch Pass,) Tj ETQq1 1 0.784314 rgBT /Overl	2.4	3
6	Out-of-phase Late Pleistocene glacial maxima in the Western Alps reflect past changes in North Atlantic atmospheric circulation. Geology, 2021, 49, 1096-1101.	4.4	20
7	A tribute to Louis (1952): On the theory of glacial erosion in valleys. E&G Quaternary Science Journal, 2021, 70, 209-212.	0.7	0
8	Postglacial erosion of bedrock surfaces and deglaciation timing: New insights from the Mont Blanc massif (western Alps). Geology, 2020, 48, 139-144.	4.4	25
9	Glacial overdeepenings in the Swiss Alps and foreland: Spatial distribution and morphometrics. Quaternary Science Reviews, 2020, 243, 106483.	3.0	17
10	Late-Pleistocene catchment-wide denudation patterns across the European Alps. Earth-Science Reviews, 2020, 211, 103407.	9.1	32
11	Tectonic Control on Rapid Late Mioceneâ€"Quaternary Incision of the Mekong River Knickzone, Southeast Tibetan Plateau. Tectonics, 2020, 39, e2019TC005782.	2.8	34
12	Evaluating post-glacial bedrock erosion and surface exposure duration by coupling in situ optically stimulated luminescence and ¹⁰Be dating. Earth Surface Dynamics, 2019, 7, 633-662.	2.4	18
13	Present-day uplift of the European Alps: Evaluating mechanisms and models of their relative contributions. Earth-Science Reviews, 2019, 190, 589-604.	9.1	82
14	How reproducible are kinetic parameter constraints of quartz luminescence? An interlaboratory comparison for the 110â€¯Â°C TL peak. Radiation Measurements, 2018, 110, 14-24.	1.4	28
15	Investigation of OSL surface exposure dating to reconstruct post-LIA glacier fluctuations in the French Alps (Mer de Glace, Mont Blanc massif). Quaternary Geochronology, 2018, 44, 63-74.	1.4	37
16	Characterising the luminescence behaviour of â€˜infinitely oldâ€™ quartz samples from Switzerland. Quaternary Geochronology, 2018, 43, 1-11.	1.4	13
17	Pedo-sedimentary constituents as paleoenvironmental proxies in the Sudano-Sahelian belt during the Late Quaternary (southwestern Chad Basin). Quaternary Science Reviews, 2018, 191, 348-362.	3.0	3
18	Exploring IRSL50 fading variability in bedrock feldspars and implications for OSL thermochronometry. Quaternary Geochronology, 2016, 36, 55-66.	1.4	22

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19	Trapped-charge thermochronometry and thermometry: A status review. Chemical Geology, 2016, 446, 3-17.	3.3	45
20	Pedogenic carbonate nodules as soil time archives: Challenges and investigations related to OSL dating. Quaternary Geochronology, 2016, 36, 120-133.	1.4	13
21	Estimating rock cooling rates by using multiple luminescence thermochronometers. Radiation Measurements, 2015, 81, 85-91.	1.4	1
22	Deciphering neotectonics from river profile analysis in the karst Jura Mountains (northern Alpine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.2	11
23	Low-temperature thermochronology of the Yakutat plate corner, St. Elias Range (Alaska): bridging short-term and long-term deformation. Quaternary Science Reviews, 2015, 113, 23-38.	3.0	23
24	Radiation-induced growth and isothermal decay of infrared-stimulated luminescence from feldspar. Radiation Measurements, 2015, 81, 224-231.	1.4	66
25	Spatial variability of 10 Be-derived erosion rates across the southern Peninsular Indian escarpment: A key to landscape evolution across passive margins. Earth and Planetary Science Letters, 2015, 425, 154-167.	4.4	67
26	OSL-thermochronometry of feldspar from the KTB borehole, Germany. Earth and Planetary Science Letters, 2015, 423, 232-243.	4.4	59
27	Late-Cenozoic relief evolution under evolving climate: A review. Tectonophysics, 2014, 614, 44-65.	2.2	51
28	Worldwide acceleration of mountain erosion under a cooling climate. Nature, 2013, 504, 423-426.	27.8	382
29	Effective closure temperature in leaky and/or saturating thermochronometers. Earth and Planetary Science Letters, 2013, 384, 209-218.	4.4	39
30	Spatial and temporal variations of glacial erosion in the RhÃ´ne valley (Swiss Alps): Insights from numerical modeling. Earth and Planetary Science Letters, 2013, 368, 119-131.	4.4	46
31	Bimodal Plioâ€“Quaternary glacial erosion of fjords and low-relief surfaces in Scandinavia. Nature Geoscience, 2012, 5, 635-639.	12.9	81
32	Rethinking low-temperature thermochronology data sampling strategies for quantification of denudation and relief histories: A case study in the French western Alps. Earth and Planetary Science Letters, 2011, 307, 309-322.	4.4	15
33	Significant increase in relief of the European Alps during mid-Pleistocene glaciations. Nature Geoscience, 2011, 4, 688-692.	12.9	167
34	Dating bedrock gorge incision in the French Western Alps (Ecrins-Pelvoux massif) using cosmogenic¹⁰Be. Terra Nova, 2010, 22, 18-25.	2.1	42
35	Frost-cracking control on catchment denudation rates: Insights from in situ produced 10Be concentrations in stream sediments (Ecrinsâ€“Pelvoux massif, French Western Alps). Earth and Planetary Science Letters, 2010, 293, 72-83.	4.4	105
36	Inversion of thermochronological ageâ€“elevation profiles to extract independent estimates of denudation and relief history â€“ II: Application to the French Western Alps. Earth and Planetary Science Letters, 2010, 296, 9-22.	4.4	69

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37	Inversion of thermochronological age-elevation profiles to extract independent estimates of denudation and relief history â€" I: Theory and conceptual model. Earth and Planetary Science Letters, 2010, 295, 511-522.	4.4	72