

# StÃ©phane Scaillet

## List of Publications by Year in descending order

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43  
papers

1,545  
citations

257450

24  
h-index

302126

39  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1741  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the age of the Laschamp geomagnetic excursion. <i>Earth and Planetary Science Letters</i> , 2004, 227, 331-343.	4.4	160
2	Excess $^{40}\text{Ar}$ transport scale and mechanism in high-pressure phengites: A case study from an eclogitized metabasite of the Dora-Maira nappe, western Alps. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 1075-1090.	3.9	130
3	New $^{40}\text{Ar}$ age determinations of Kilimanjaro volcano in the North Tanzanian diverging rift, East Africa. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 173, 99-112.	2.1	78
4	Formation of the Upper Pleistocene terraces of Lake Van (Turkey). <i>Journal of Quaternary Science</i> , 2010, 25, 1124-1137.	2.1	69
5	Late Cenozoic uplift of western Turkey: Improved dating of the Kula Quaternary volcanic field and numerical modelling of the Gediz River terrace staircase. <i>Global and Planetary Change</i> , 2006, 51, 131-171.	3.5	68
6	Constraints on the timing and regional conditions at the start of the present phase of crustal extension in western Turkey, from observations in and around the Denizli region. <i>Geodinamica Acta</i> , 2005, 18, 209-238.	2.2	64
7	Numerical error analysis in $^{40}\text{Ar}/^{39}\text{Ar}$ dating. <i>Chemical Geology</i> , 2000, 162, 269-298.	3.3	63
8	Southeast Baffin volcanic margin and the North American-Greenland plate separation. <i>Tectonics</i> , 2001, 20, 566-584.	2.8	58
9	Strain localization in a fossilized subduction channel: Insights from the Cycladic Blueschist Unit (Syros, Greece). <i>Tectonophysics</i> , 2016, 672-673, 150-169.	2.2	53
10	Evidence for long-term uplift on the Canary Islands from emergent Mio-Pliocene littoral deposits. <i>Global and Planetary Change</i> , 2007, 57, 222-234.	3.5	49
11	Aborted propagation of the Ethiopian rift caused by linkage with the Kenyan rift. <i>Nature Communications</i> , 2019, 10, 1309.	12.8	49
12	A revision of the structure and stratigraphy of pre-Green Tuff ignimbrites at Pantelleria (Strait of) <small>Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 3</small>	2.1	48
13	Pleistocene eruptive chronology of the $^{\text{G}\tilde{\text{A}}\text{r}\tilde{\text{A}}\text{4k}}$ volcano, Isparta Angle, Turkey. <i>Chronologie des \u00c9pisodes volcaniques pl\u00c9istoc\u00e9nes du volcan <math>^{\text{G}\tilde{\text{A}}\text{r}\tilde{\text{A}}\text{4k}}</math>, Angle d\u00e9Isparta, Turquie. <i>Quaternaire</i>, 2008, , 147-156.</i>	0.2	48
14	Late Cenozoic surface uplift, basaltic volcanism, and incision by the River Tigris around Diyarbak\u00e4r, SE Turkey. <i>International Journal of Earth Sciences</i> , 2009, 98, 601-625.	1.8	45
15	The Early Andean subduction system as an analog to island arcs: Evidence from across-arc geochemical variations in northern Chile. <i>Lithos</i> , 2013, 179, 211-230.	1.4	45
16	A critical evaluation of young (near-zero) $^{40}\text{Ar}$ ages. <i>Earth and Planetary Science Letters</i> , 2004, 220, 265-275.	4.4	40
17	High-resolution $^{40}\text{Ar}/^{39}\text{Ar}$ chronostratigraphy of the post-caldera (<20ka) volcanic activity at Pantelleria, Sicily Strait. <i>Earth and Planetary Science Letters</i> , 2011, 309, 280-290.	4.4	40
18	Anatomy of the Cycladic Blueschist Unit on Sifnos Island (Cyclades, Greece). <i>Journal of Geodynamics</i> , 2016, 97, 62-87.	1.6	39

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19	Origin and geodynamic evolution of late Cenozoic potassium-rich volcanism in the Isparta area, southwestern Turkey. <i>International Geology Review</i> , 2010, 52, 454-504.	2.1	34
20	Oldest human footprints dated by Ar/Ar. <i>Earth and Planetary Science Letters</i> , 2008, 275, 320-325.	4.4	29
21	Explosive eruptive history of Pantelleria, Italy: Repeated caldera collapse and ignimbrite emplacement at a peralkaline volcano. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 349, 47-73.	2.1	28
22	K-Ar ( <sup>40</sup> Ar/ <sup>39</sup> Ar) Geochronology of Ultrahigh Pressure Rocks. <i>Petrology and Structural Geology</i> , 1998, , 161-201.	0.5	26
23	Preservation by basalt of a staircase of latest Pliocene terraces of the River Murat in eastern Turkey: Evidence for rapid uplift of the eastern Anatolian Plateau. <i>Global and Planetary Change</i> , 2009, 68, 254-269.	3.5	26
24	Structural and kinematic evolution of strike-slip shear zones around and in the Central Tianshan: Insights for eastward tectonic wedging in the southwest Central Asian Orogenic Belt. <i>Journal of Structural Geology</i> , 2021, 144, 104279.	2.3	26
25	Late Cenozoic regional uplift and localised crustal deformation within the northern Arabian Platform in southeast Turkey: Investigation of the Euphrates terrace staircase using multidisciplinary techniques. <i>Geomorphology</i> , 2012, 165-166, 7-24.	2.6	23
26	Limited glaciation and very early deglaciation in central Iceland. <i>Comptes Rendus - Geoscience</i> , 2007, 339, 1-12.	1.2	19
27	Deformation behavior of continental crust during subduction and exhumation: Strain distribution over the Tenda massif (Alpine Corsica, France). <i>Tectonophysics</i> , 2017, 705, 12-32.	2.2	19
28	Lateral variations of pressure-temperature evolution in non-cylindrical orogens and 3-D subduction dynamics: the Betic-Rif Cordillera example. <i>Bulletin - Societe Geologique De France</i> , 2021, 192, 8.	2.2	18
29	Pyroclastic chronology of the Sancy stratovolcano (Mont-Dore, French Massif Central): New high-precision <sup>40</sup> Ar/ <sup>39</sup> Ar constraints. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 225-226, 1-12.	2.1	16
30	The kinematics of central-southern Turkey and northwest Syria revisited. <i>Tectonophysics</i> , 2014, 618, 35-66.	2.2	15
31	<sup>40</sup> Ar behaviour and exhumation dynamics in a subduction channel from multi-scale <sup>40</sup> Ar/ <sup>39</sup> Ar systematics in phengite. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 311, 141-173.	3.9	15
32	In Situ and Step-Heating <sup>40</sup> Ar/ <sup>39</sup> Ar Dating of White Mica in Low-Temperature Shear Zones (Tenda Massif, Alpine Corsica, France). <i>Tectonics</i> , 2020, 39, e2020TC006246.	2.8	14
33	The Alleret maar (Massif Central, France): A new lacustrine sequence of the early Middle Pleistocene in western Europe. <i>Comptes Rendus - Geoscience</i> , 2007, 339, 987-997.	1.2	13
34	Tephrochronology of the Mont-Dore volcanic Massif (Massif Central, France): new <sup>40</sup> Ar/ <sup>39</sup> Ar constraints on the Late Pliocene and Early Pleistocene activity. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	3.0	12
35	Recent volcano-tectonic activity of the Ririba rift and the evolution of rifting in South Ethiopia. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 403, 106989.	2.1	12
36	Volcanological evolution of Pantelleria Island (Strait of Sicily) peralkaline volcano: a review. <i>Comptes Rendus - Geoscience</i> , 2021, 353, 111-132.	1.2	10

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37	<sup>40</sup> Ar/ <sup>39</sup> Ar Age Constraints on High-Pressure/Low-Temperature Metamorphism in Extensively Overprinted Units: The Example of the Alpujarride Subduction Complex (Betic Cordillera), <i>Tectonophysics</i> , 2017, 684-694.	2.78	14
38	Diffusion and fluid interaction in Itrongay pegmatite (Madagascar): Evidence from in situ <sup>40</sup> Ar/ <sup>39</sup> Ar dating of gem-quality alkali feldspar and U-Pb dating of protogenetic apatite inclusions. <i>Chemical Geology</i> , 2020, 556, 119841.	3.3	8
39	Atomistic simulations of $^{40}\text{Ar}/^{39}\text{Ar}$ diffusion in muscovite. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 331, 123-142.	3.9	8
40	Recent unrest at Canary Islands' Teide Volcano?. <i>Eos</i> , 2006, 87, 462-465.	0.1	7
41	Indicateurs morphosédimentaires des variations de niveau lacustre dans les terrasses du lac de Van (Turquie). <i>Quaternaire</i> , 2010, , 443-458.	0.2	6
42	The pyroclastites around southwestern part of Van Lake (eastern Anatolia, Turkey): implications on the regional palaeohydrography. <i>Quaternaire</i> , 2010, , 425-441.	0.2	3
43	Reply to Comment on "Recent unrest at Canary Islands' Teide Volcano?". <i>Eos</i> , 2007, 88, 488-488.	0.1	0