Paola Vannucchi

List of Publications by Year
in descending order

61	2,951	218677	168389
papers	citations	26 h-index	53 g-index

63	63	63	2525
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transmogrification of ocean into continent: implications for continental evolution. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2122694119.	7.1	3
2	A strength inversion origin for non-volcanic tremor. Nature Communications, 2022, 13, 2311.	12.8	0
3	Sedimentary provenance of the Plio-Pleistocene Nicobar Fan: Complex sourcing revealed through Raman spectroscopy heavy mineral analysis. Marine and Petroleum Geology, 2021, 125, 104874.	3.3	3
4	Structural anisotropy: Using image analysis to quantify block-in-matrix fabrics. Journal of Structural Geology, 2020, 131, 103939.	2.3	3
5	The Romanche fracture zone influences the segmentation of the equatorial margin of Brazil. Journal of South American Earth Sciences, 2020, 103, 102738.	1.4	13
6	The life cycle of subcontinental peridotites: From rifted continental margins to mountains via subduction processes. Geology, 2020, 48, 1154-1158.	4.4	3
7	Characterisation of submarine depression trails driven by upslope migrating cyclic steps: Insights from the CearÃ¡ Basin (Brazil). Marine and Petroleum Geology, 2020, 115, 104291.	3.3	10
8	Subduction erosion and arc volcanism. Nature Reviews Earth & Environment, 2020, 1, 574-589.	29.7	64
9	Interplay of Subduction Tectonics, Sedimentation, and Carbon Cycling. Geochemistry, Geophysics, Geosystems, 2019, 20, 4939-4955.	2.5	7
10	Marine Transform Faults and Fracture Zones: A Joint Perspective Integrating Seismicity, Fluid Flow and Life. Frontiers in Earth Science, 2019, 7, .	1.8	46
11	Overview of the Tectonics and Geodynamics of Costa Rica. Active Volcanoes of the World, 2019, , 1-12.	1.4	5
12	Scaly fabric and slip within fault zones. , 2019, 15, 342-356.		22
13	Seamount chainâ€“subduction zone interactions: Implications for accretionary and erosive subduction zone behavior. Geology, 2018, 46, 367-370.	4.4	26
14	Release of mineral-bound water prior to subduction tied to shallow seismogenic slip off Sumatra. Science, 2017, 356, 841-844.	12.6	57
15	Understanding Himalayan erosion and the significance of the Nicobar Fan. Earth and Planetary Science Letters, 2017, 475, 134-142.	4.4	58
16	Past seismic slip-to-the-trench recorded in Central America megathrust. Nature Geoscience, 2017, 10, 935-940.	12.9	23
17	Seismostratigraphy of the CearÃ¡ Plateau: Clues to Decipher the Cenozoic Evolution of Brazilian Equatorial Margin. Frontiers in Earth Science, 2016, 4, .	1.8	25
18	Subduction erosion, and the de-construction of continental crust: The Central America case and its global implications. Gondwana Research, 2016, 40, 184-198.	6.0	29

#	Article	IF	Citations
19	Origin and dynamics of depositionary subduction margins. Geochemistry, Geophysics, Geosystems, 2016, 17, 1966-1974.	2.5	29
20	Late <scp>C</scp>enozoic tephrostratigraphy offshore the southern <scp>C</scp>entral <scp>A</scp>merican <scp>V</scp>olcanic <scp>A</scp>rc: 2. Implications for magma production rates and subduction erosion. Geochemistry, Geophysics, Geosystems, 2016, 17, 4585-4604.	2.5	21
21	Horizontal principal stress orientation in the Costa Rica Seismogenesis Project (CRISP) transect from borehole breakouts. Geochemistry, Geophysics, Geosystems, 2016, 17, 65-77.	2.5	14
22	Crustal recycling by subduction erosion in the central Mexican Volcanic Belt. Geochimica Et Cosmochimica Acta, 2015, 166, 29-52.	3.9	65
23	Reply to comment on â€œDirect evidence of ancient shock metamorphism at the site of the 1908 Tunguska eventâ€• by Vannucchi et al. (Earth Planet. Sci. Lett. 409 (2015) 168â€“174). Earth and Planetary Science Letters, 2015, 415, 215.	4.4	0
24	Reply to Comment on: â€œDirect evidence of ancient shock metamorphism at the site of the 1908 Tunguska eventâ€, by P. Vannucchi et al. [Earth Planet. Sci. Lett. 409 (2015) 168â€“174]. Earth and Planetary Science Letters, 2015, 419, 224-227.	4.4	1
25	Direct evidence of ancient shock metamorphism at the site of the 1908 Tunguska event. Earth and Planetary Science Letters, 2015, 409, 168-174.	4.4	13
26	Subduction Zones. Developments in Marine Geology, 2014, , 599-640.	0.4	6
27	Rapid pulses of uplift, subsidence, and subduction erosion offshore Central America: Implications for building the rock record of convergent margins. Geology, 2013, 41, 995-998.	4.4	76
28	Deformation, fluid flow, and mass transfer in the forearc of convergent margins: A two-day field trip in an ancient and exhumed erosive convergent margin in the Northern Apennines. , 2012, , 1-33.		6
29	Toward a dynamic concept of the subduction channel at erosive convergent margins with implications for interplate material transfer. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	54
30	Myths and recent progress regarding the Argille Scagliose, Northern Apennines, Italy. International Geology Review, 2010, 52, 1106-1137.	2.1	18
31	Fluid history related to the early Eoceneâ€middle Miocene convergent system of the Northern Apennines (Italy): Constraints from structural and isotopic studies. Journal of Geophysical Research, 2010, 115, .	3.3	27
32	Arc-continent collisions, sediment recycling and the maintenance of the continental crust. Geological Society Special Publication, 2009, 318, 75-103.	1.3	38
33	Crustal redistribution, crustâ€“mantle recycling and Phanerozoic evolution of the continental crust. Earth-Science Reviews, 2009, 97, 80-104.	9.1	179
34	Chapter 3 Aseismic-Seismic Transition and Fluid Regime along Subduction Plate Boundaries and a Fossil Example from the Northern Apennines of Italy. International Geophysics, 2009, , 37-68.	0.6	3
35	Geological record of fluid flow and seismogenesis along an erosive subducting plate boundary. Nature, 2008, 451, 699-703.	27.8	125
36	Intra-arc extension in Central America: Links between plate motions, tectonics, volcanism, and geochemistry. Earth and Planetary Science Letters, 2008, 272, 365-371.	4.4	74

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37	Deformation pattern in the underthrust carbonate-rich sequence of the Sibillini Thrust (central) Tj ETQq1 1 0.784314 rgBT /Overlock 10 53-69.	2.2	4
38	Internal structure and tectonic evolution of an underthrust tectonic mÃ©lange: the Sestola-Vidiciatico tectonic unit of the Northern Apennines, Italy. Geodinamica Acta, 2007, 20, 37-51.	2.2	36
39	The Ligurian Units of Western Tuscany (Northern Apennines): insight on the influence of pre-existing weakness zones during ocean closure. Geodinamica Acta, 2007, 20, 71-97.	2.2	15
40	Structural characterization of the Costa Rica dÃ©collement: Evidence for seismically-induced fluid pulsing. Earth and Planetary Science Letters, 2007, 262, 413-428.	4.4	12
41	Reply to comment by David M. Buchs and Peter O. Baumgartner on â€œFrom seamount accretion to tectonic erosion: Formation of Osa MÃ©lange and the effects of the Cocos Ridge subduction in southern Costa Ricaâ€. Tectonics, 2007, 26, n/a-n/a.	2.8	4
42	From seamount accretion to tectonic erosion: Formation of Osa MÃ©lange and the effects of Cocos Ridge subduction in southern Costa Rica. Tectonics, 2006, 25, n/a-n/a.	2.8	39
43	Insights from the Ocean Drilling Program on shear and fluid-flow at the mega-faults between actively converging plates. Geological Society Special Publication, 2004, 224, 127-140.	1.3	4
44	Long-term subduction-erosion along the Guatemalan margin of the Middle America Trench. Geology, 2004, 32, 617.	4.4	74
45	Generic model of subduction erosion. Geology, 2004, 32, 913.	4.4	312
46	Active thrusting in the inner forearc of an erosive convergent margin, Pacific coast, Costa Rica. Tectonics, 2004, 23, n/a-n/a.	2.8	67
47	Controls on tectonic accretion versus erosion in subduction zones: Implications for the origin and recycling of the continental crust. Reviews of Geophysics, 2004, 42, .	23.0	669
48	Focusing on proto-seismogenic zone of erosional convergent margin. Eos, 2004, 85, 70.	0.1	0
49	Structural style of the offscraped Ligurian oceanic sequences of the Northern Apennines: new hypothesis concerning the development of mÃ©lange block-in-matrix fabric. Journal of Structural Geology, 2003, 25, 371-388.	2.3	66
50	On the nature of scaly fabric and scaly clay. Journal of Structural Geology, 2003, 25, 673-688.	2.3	100
51	Fast rates of subduction erosion along the Costa Rica Pacific margin: Implications for nonsteady rates of crustal recycling at subduction zones. Journal of Geophysical Research, 2003, 108, .	3.3	115
52	Mechanisms of subduction accretion as implied from the broken formations in the Apennines, Italy. Geology, 2002, 30, 835.	4.4	40
53	Tectonic erosion and consequent collapse of the Pacific margin of Costa Rica: Combined implications from ODP Leg 170, seismic offshore data, and regional geology of the Nicoya Peninsula. Tectonics, 2001, 20, 649-668.	2.8	126
54	Monitoring paleo-fluid pressure through vein microstructures. Journal of Geodynamics, 2001, 32, 567-581.	1.6	11

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55	Structure, inferred mechanical properties, and implications for fluid transport in the dÃ©collement zone, Costa Rica convergent margin. Geology, 2001, 29, 907.	4.4	49
56	Deformation structures and implications for fluid flow at the Costa Rica convergent margin, ODP Sites 1040 and 1043, Leg 170. Journal of Structural Geology, 2000, 22, 1087-1103.	2.3	28
57	Insights into shallowâ€level processes of mountain building from the Northern Apennines, Italy. Journal of the Geological Society, 2000, 157, 105-120.	2.1	15
58	Segmented, curved faults: the example of the Balduini Thrust Zone, Northern Apennines, Italy. Journal of Structural Geology, 1999, 21, 1655-1668.	2.3	3
59	Possible crystalline gastroliths of large marine Vertebrata from Oligocene pelitic sediments of the Northern Apennines, Italy: Comment and Reply. Geology, 1999, 27, 575.	4.4	2
60	Possible crystalline gastroliths of large marine Vertebrata from Oligocene pelitic sediments of the Northern Apennines, Italy. Geology, 1998, 26, 775.	4.4	6
61	Deformation and material transfer in a fossil subduction channel: Evidence from the Island of Elba (Italy). Tectonics, 0, , .	2.8	4