

Fabio Speranza

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

111
papers

3,032
citations

31
h-index

50
g-index

115
ext. papers

3,277
ext. citations

3.2
avg, IF

5.03
L-index

#	Paper	IF	Citations
111	The Monte San Nicola section (Sicily) revisited: A potential unit-stratotype of the Gelasian Stage. <i>Quaternary Science Reviews</i> , 2022 , 278, 107367	3.9	1
110	Back-arc underplating provided crustal accretion affecting topography and sedimentation in the Adria microplate. <i>Marine and Petroleum Geology</i> , 2022 , 136, 105470	4.7	1
109	Reconstruction of the subaerial Holocene volcanic activity through paleomagnetic and 14C dating methods: El Hierro (Canary Islands). <i>Journal of Volcanology and Geothermal Research</i> , 2022 , 425, 107526	2.8	1
108	The contribution of palaeomagnetism, tephrochronology and radiocarbon dating to refine the last 1100 years of eruptive activity at Vulcano (Italy). <i>Bulletin of Volcanology</i> , 2022 , 84, 1	2.4	0
107	Volcanological evolution of Pantelleria Island (Strait of Sicily) peralkaline volcano: a review. <i>Comptes Rendus - Geoscience</i> , 2021 , 353, 1-22	1.4	4
106	Significance of Northern Andes Terrane Extrusion and Genesis of the Interandean Valley: Paleomagnetic Evidence From the Ecuadorian Orocline. <i>Tectonics</i> , 2021 , 40, e2020TC006684	4.3	5
105	Chrono-stratigraphy of the youngest (last 1500 years) rhyolitic eruptions of Lipari (Aeolian Islands, Southern Italy) and implications for distal tephra correlations. <i>Journal of Volcanology and Geothermal Research</i> , 2021 , 420, 107397	2.8	2
104	The forgotten eruption: The basaltic scoria cone of Montaña Grande, Tenerife. <i>Journal of Volcanology and Geothermal Research</i> , 2020 , 401, 106918	2.8	2
103	Orogen-Parallel Transition From a Decoupled Fore-Arc Sliver to Andean-Type Mountain Chain: Paleomagnetic and Geologic Evidence From Southern Chile (37°S). <i>Tectonics</i> , 2020 , 39, e2019TC005881	4.3	2
102	Obsidians of Pantelleria (Strait of Sicily): A Petrographic, Geochemical and Magnetic Study of Known and New Geological Sources. <i>Open Archaeology</i> , 2020 , 6, 434-453	0.6	3
101	Refining the Holocene eruptive activity at Tenerife (Canary Islands): The contribution of palaeomagnetism. <i>Journal of Volcanology and Geothermal Research</i> , 2020 , 401, 106930	2.8	2
100	Paleomagnetism of the Middle Cenozoic Mula Basin (East Tibet): Evidence for km-Scale Crustal Blocks Rotated by Midlower Crust Drag. <i>Geochemistry, Geophysics, Geosystems</i> , 2020 , 21, e2020GC009225	2.6	2
99	Gravity and Magnetic Modeling of Central Italy: Insights Into the Depth Extent of the Seismogenic Layer. <i>Geochemistry, Geophysics, Geosystems</i> , 2019 , 20, 2157-2172	3.6	13
98	Constraining age and volume of lava flow invasions of the Alcantara valley, Etna volcano (Italy). New insights from paleomagnetic dating and 3D magnetic modeling. <i>Journal of Volcanology and Geothermal Research</i> , 2019 , 374, 13-25	2.8	5
97	Paleomagnetic Evidence for 25-15 Ma Crust Fragmentation of North Indochina (23-6°N): Consequence of Collision With Greater India NE Corner?. <i>Geochemistry, Geophysics, Geosystems</i> , 2019 , 20, 5425-5448	3.6	2
96	Palaeomagnetic dating of the Neostromboli succession. <i>Journal of Volcanology and Geothermal Research</i> , 2019 , 371, 229-244	2.8	13
95	Tectonics and Paleomagnetic Rotation Pattern of Yunnan (24°N-5°N, China): Gaoligong Fault Shear Versus Megablock Drift. <i>Tectonics</i> , 2018 , 37, 1524-1551	4.3	15

94	Aeromagnetic Investigation of the Central Apennine Seismogenic Zone (Italy): From Basins to Faults. <i>Tectonics</i> , 2018 , 37, 1435-1453	4.3	5
93	Understanding Paleomagnetic Rotations in Sicily: Thrust Versus Strike-Slip Tectonics. <i>Tectonics</i> , 2018 , 37, 1138-1158	4.3	11
92	Paleomagnetism of Holocene lava flows from the Reykjanes Peninsula and the Tungnaflava sequence (Iceland): implications for flow correlation and ages. <i>Bulletin of Volcanology</i> , 2018 , 80, 1	2.4	13
91	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 ^{2.8}	2.8	21
90	Seismic hazard in southern Calabria (Italy) based on the analysis of a synthetic earthquake catalog. <i>Acta Geophysica</i> , 2018 , 66, 931-943	2.2	6
89	Unravelling Mount Etna's early eruptive history by three-dimensional magnetic modeling. <i>Bulletin of the Geological Society of America</i> , 2018 , 130, 1664-1674	3.9	3
88	The first dinosaur tracksite from Abruzzi (Monte Cagno, Central Apennines, Italy). <i>Cretaceous Research</i> , 2017 , 73, 47-59	1.8	16
87	Remagnetizations used to unravel large-scale fold kinematics: A case study in the Cameros Basin (Northern Spain). <i>Tectonics</i> , 2017 , 36, 714-729	4.3	13
86	High-resolution aeromagnetic survey of Calabria (Southern Italy). <i>Journal of Maps</i> , 2017 , 13, 116-123	2.2	2
85	The MASSIMO system for the safeguarding of historic buildings in a seismic area: operationally-oriented platforms. <i>European Journal of Remote Sensing</i> , 2016 , 49, 397-415	2.9	4
84	Paleomagnetism of the Hyblean Plateau, Sicily: a review of the existing data set and new evidence of block rotation from the Scicli-Ragusa Fault System. <i>Italian Journal of Geosciences</i> , 2016 , 135, 300-307	1.7	3
83	Aeromagnetic investigation of southern Calabria and the Messina Straits (Italy): Tracking seismogenic sources of 1783 and 1908 earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2016 , 121, 1297-1315	3.6	7
82	Paleomagnetic and geochronological study of Carboniferous forearc basin rocks in the Southern New England Orogen (Eastern Australia). <i>Tectonophysics</i> , 2016 , 681, 263-277	3.1	8
81	Tethyan versus Iberian extension during the Cretaceous period in the eastern Iberian Peninsula: insights from magnetic fabrics. <i>Journal of the Geological Society</i> , 2016 , 173, 127-141	2.7	5
80	Subduction system and flat slab beneath the Eastern Cordillera of Colombia. <i>Geochemistry, Geophysics, Geosystems</i> , 2016 , 17, 16-27	3.6	41
79	Paleomagnetic rotation pattern of the southern Chile fore-arc sliver (38°S-42°S): A new tool to evaluate plate locking along subduction zones. <i>Journal of Geophysical Research: Solid Earth</i> , 2016 , 121, 469-490	3.6	10
78	Geological reconstruction in the area of maximum co-seismic subsidence during the 2009 Mw=6.1 L'Aquila earthquake using geophysical and borehole data. <i>Italian Journal of Geosciences</i> , 2016 , 135, 350-362	1.7	11
77	Curie temperature depths in the Alps and the Po Plain (northern Italy): Comparison with heat flow and seismic tomography data. <i>Journal of Geodynamics</i> , 2016 , 98, 19-30	2.2	13

76	Inverse modelling of the reversely magnetized, shallow plumbing system hosting oil reservoirs of the Auca Mahuida volcano (Payeina retroarc, Neuqu� Basin, Argentina). <i>Geophysical Journal International</i> , 2016 , 204, 852-867	2.6	2
75	Analysis of a 150 m sediment core from the co-seismic subsidence depocenter of the 2009 Mw = 6.1 L'Aquila earthquake (Italy): Implications for Holocene-Pleistocene tectonic subsidence rates and for the age of the seismogenic Paganica fault system. <i>Tectonophysics</i> , 2016 , 687, 180-194	3.1	8
74	Paleomagnetic data from the New England Orogen (eastern Australia) and implications for oroclinal bending. <i>Tectonophysics</i> , 2015 , 664, 182-190	3.1	27
73	New bio-magnetostratigraphic data on the Miocene Moria section (Northern Apennines, Italy): connections between the Mediterranean region and the North Atlantic Ocean. <i>Newsletters on Stratigraphy</i> , 2015 , 48, 135-152	2.9	12
72	Geophysical investigation of Pleistocene volcanism and tectonics offshore Capo Vaticano (Calabria, southeastern Tyrrhenian Sea). <i>Journal of Geodynamics</i> , 2015 , 90, 71-86	2.2	11
71	Magnetic stratigraphy of the Bucaramanga alluvial fan: Evidence for a 8 mm/yr slip rate for the Bucaramanga-Santa Marta Fault, Colombia. <i>Journal of South American Earth Sciences</i> , 2015 , 57, 12-22	2	17
70	Constraints on deformation of the Southern Andes since the Cretaceous from anisotropy of magnetic susceptibility. <i>Tectonophysics</i> , 2015 , 665, 236-250	3.1	27
69	Understanding kinematics of intra-arc transcurrent deformation: Paleomagnetic evidence from the Liqui�-Ofqui fault zone (Chile, 38�1�S). <i>Tectonics</i> , 2014 , 33, 1964-1988	4.3	32
68	Paleointensity determination from S� Miguel (Azores Archipelago) over the last 3ka. <i>Physics of the Earth and Planetary Interiors</i> , 2014 , 234, 1-13	2.3	20
67	Paleomagnetic evidence for a post-Eocene 90� CCW rotation of internal Apennine units: A linkage with Corsica-Sardinia rotation?. <i>Tectonics</i> , 2014 , 33, 374-392	4.3	12
66	Unraveling the geometry of the New England oroclinal (eastern Australia): Constraints from magnetic fabrics. <i>Tectonics</i> , 2014 , 33, 2261-2282	4.3	17
65	Paleomagnetism and magnetic fabric of the Eastern Cordillera of Colombia: Evidence for oblique convergence and nonrotational reactivation of a Mesozoic intracontinental rift. <i>Tectonics</i> , 2014 , 33, 2233-2260	4.3	21
64	Ultra-thick Triassic dolomites control the rupture behavior of the central Apennine seismicity: Evidence from magnetic modeling of the L'Aquila fault zone. <i>Journal of Geophysical Research: Solid Earth</i> , 2014 , 119, 6756-6770	3.6	13
63	Magnetic fabric of Plio-Pleistocene sediments from the Crotona fore-arc basin: Insights on the recent tectonic evolution of the Calabrian Arc (Italy). <i>Journal of Geodynamics</i> , 2014 , 81, 67-79	2.2	13
62	Constraining chronology and time-space evolution of Holocene volcanic activity on the Capelo Peninsula (Faial Island, Azores): The paleomagnetic contribution. <i>Bulletin of the Geological Society of America</i> , 2014 , 126, 1164-1180	3.9	30
61	A major change in the sedimentation regime in the Crotona Basin (Southern Italy) around 3.7B.6Ma. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013 , 392, 398-410	2.9	12
60	A ~ 125� post-early Serravallian counterclockwise rotation of the Gorgoglione Formation (Southern Apennines, Italy): New constraints for the formation of the Calabrian Arc. <i>Tectonophysics</i> , 2013 , 590, 24-37	3.1	21
59	Trachyte from the Roman aqueducts of Padua and Este (north-east Italy): a provenance study based on petrography, chemistry and magnetic susceptibility. <i>European Journal of Mineralogy</i> , 2013 , 25, 415-427	2.2	9

58	Understanding progressive-arc- and strike-slip-related rotations in curve-shaped orogenic belts: The case of the Olevano-AnTRODoco-Sibillini thrust (Northern Apennines, Italy). <i>Journal of Geophysical Research: Solid Earth</i> , 2013 , 118, 459-473	3.6	12
57	Correlation of welded ignimbrites on Pantelleria (Strait of Sicily) using paleomagnetism. <i>Bulletin of Volcanology</i> , 2012 , 74, 341-357	2.4	26
56	Paleomagnetic secular variation at the Azores during the last 3 ka. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		20
55	The Ionian Sea: The oldest in situ ocean fragment of the world?. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		65
54	Magnetic fabric of Pleistocene continental clays from the hanging-wall of an active low-angle normal fault (Altotiberina Fault, Italy). <i>International Journal of Earth Sciences</i> , 2012 , 101, 849-861	2.2	7
53	Chronology of the Lower-Middle Pleistocene succession of the south-western part of the Crotona Basin (Calabria, Southern Italy). <i>Quaternary Science Reviews</i> , 2011 , 30, 1185-1200	3.9	18
52	A continuous palaeosecular variation record of the last four millennia from the Augusta Bay (Sicily, Italy). <i>Geophysical Journal International</i> , 2011 , 184, 191-202	2.6	10
51	A re-evaluation of the Italian historical geomagnetic catalogue: implications for paleomagnetic dating at active Italian volcanoes. <i>Solid Earth</i> , 2011 , 2, 65-74	3.3	1
50	Paleomagnetic evidence for a post-1.2 Ma disruption of the Calabria terrane: Consequences of slab breakoff on orogenic wedge tectonics. <i>Bulletin of the Geological Society of America</i> , 2011 , 123, 925-933	3.9	21
49	A buried volcano in the Calabrian Arc (Italy) revealed by high-resolution aeromagnetic data. <i>Journal of Geophysical Research</i> , 2010 , 115,		15
48	Paleomagnetic evidence for a pre-early Eocene (~50Ma) bending of the Patagonian orocline (Tierra del Fuego, Argentina): Paleogeographic and tectonic implications. <i>Earth and Planetary Science Letters</i> , 2010 , 289, 273-286	5.3	32
47	Human peopling of Italian intramontane basins: The early Middle Pleistocene site of Pagliare di Sassa (L'Aquila, central Italy). <i>Quaternary International</i> , 2010 , 223-224, 170-178	2	20
46	Paleomagnetic dating of the most recent silicic eruptive activity at Pantelleria (Strait of Sicily). <i>Bulletin of Volcanology</i> , 2010 , 72, 847-858	2.4	25
45	An early Eocene carbon cycle perturbation at ~52.5 Ma in the Southern Alps: Chronology and biotic response. <i>Paleoceanography</i> , 2009 , 24, n/a-n/a		68
44	The Birente crater field, Italy, revisited. <i>Journal of Geophysical Research</i> , 2009 , 114,		6
43	Bending of the Bolivian orocline and growth of the central Andean plateau: Paleomagnetic and structural constraints from the Eastern Cordillera (22°4'S, NW Argentina). <i>Tectonics</i> , 2009 , 28, n/a-n/a	4.3	32
42	Deep geometry and rheology of an orogenic wedge developing above a continental subduction zone: Seismological evidence from the northern-central Apennines (Italy). <i>Lithosphere</i> , 2009 , 1, 95-104	2.7	21
41	Holocene eruptive history of the Stromboli volcano: Constraints from paleomagnetic dating. <i>Journal of Geophysical Research</i> , 2008 , 113,		58

40	A synchronous Alpine and Corsica-Sardinia rotation. <i>Journal of Geophysical Research</i> , 2008 , 113,		65
39	The southern Tyrrhenian subduction zone: Deep geometry, magmatism and Plio-Pleistocene evolution. <i>Earth and Planetary Science Letters</i> , 2008 , 268, 408-423	5.3	172
38	High-resolution magnetic stratigraphy at Bosso Stirpeto (Marche, Italy): Anomalous geomagnetic field behaviour during early Pliensbachian (early Jurassic) times?. <i>Earth and Planetary Science Letters</i> , 2007 , 256, 344-359	5.3	7
37	The 125–50 Ma high-resolution Apparent Polar Wander Path for Adria from magnetostratigraphic sections in Umbria-Marche (Northern Apennines, Italy): Timing and duration of the global Jurassic-Cretaceous hairpin turn. <i>Earth and Planetary Science Letters</i> , 2007 , 257, 329-342	5.3	34
36	Ultrafast oceanic spreading of the Marsili Basin, southern Tyrrhenian Sea: Evidence from magnetic anomaly analysis. <i>Geology</i> , 2006 , 34, 717	5	108
35	How accurate is paleomagnetic dating? New evidence from historical lavas from Mount Etna. <i>Journal of Geophysical Research</i> , 2006 , 111, n/a-n/a		34
34	Testing thrust tectonic models at mountain fronts: where has the displacement gone?. <i>Journal of the Geological Society</i> , 2006 , 163, 1-14	2.7	64
33	First directional archaeomagnetic results from Syria: evidence from Tell Mishrifeh/Qatna. <i>Geophysical Journal International</i> , 2006 , 165, 47-52	2.6	8
32	Paleomagnetism of the Gran Sasso range salient (central Apennines, Italy): Pattern of orogenic rotations due to translation of a massive carbonate indenter. <i>Tectonics</i> , 2005 , 24, n/a-n/a	4.3	23
31	Comment on Recent eruptive history of Stromboli (Aeolian Islands, Italy) determined from high-accuracy archeomagnetic dating by S. Arrighi et al.. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	5
30	Magnetic stratigraphy of Kimmeridgian-Aptian sections from Umbria-Marche (Italy): New details on the M polarity sequence. <i>Journal of Geophysical Research</i> , 2005 , 110,		26
29	Paleomagnetism of spatter lavas from Stromboli volcano (Aeolian Islands, Italy): Implications for the age of paroxysmal eruptions. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	32
28	An anthropogenic origin of the Birente crater, Abruzzi, Italy. <i>Meteoritics and Planetary Science</i> , 2004 , 39, 635-649	2.8	14
27	Pattern of orogenic rotations in central-eastern Sicily: implications for the timing of spreading in the Tyrrhenian Sea. <i>Journal of the Geological Society</i> , 2003 , 160, 183-195	2.7	71
26	Paleomagnetic analysis of curved thrust belts reproduced by physical models. <i>Journal of Geodynamics</i> , 2003 , 36, 633-654	2.2	9
25	Genesis and evolution of a curved mountain front: paleomagnetic and geological evidence from the Gran Sasso range (central Apennines, Italy). <i>Tectonophysics</i> , 2003 , 362, 183-197	3.1	24
24	The Miocene tectono-sedimentary evolution of the southern Tyrrhenian Sea: stratigraphy, structural and palaeomagnetic data from the on-shore Amantea basin (Calabrian Arc, Italy). <i>Basin Research</i> , 2002 , 14, 147-168	3.2	95
23	Paleomagnetism of Jurassic to Miocene sediments from the Apenninic carbonate platform (southern Apennines, Italy): evidence for a 60° counterclockwise Miocene rotation. <i>Earth and Planetary Science Letters</i> , 2002 , 201, 19-34	5.3	60

22	Age of the Corsica-Bardinia rotation and Liguro-Provençal Basin spreading: new paleomagnetic and Ar/Ar evidence. <i>Tectonophysics</i> , 2002 , 347, 231-251	3.1	188
21	Extensional tectonics on Sardinia (Italy): insights into the arc-back-arc transitional regime. <i>Tectonophysics</i> , 2002 , 356, 213-232	3.1	66
20	Thick-skinned tectonics in the external Apennines, Italy: New evidence from magnetic anomaly analysis. <i>Journal of Geophysical Research</i> , 2002 , 107, ETG 8-1-ETG 8-19		62
19	Magma flow in sub-aqueous rhyolitic dikes inferred from magnetic fabric analysis (Ponza Island, W. Italy). <i>Physics and Chemistry of the Earth</i> , 2002 , 27, 1263-1272	3	39
18	Belt bending driven by lateral bending of subducting lithospheric slab: geophysical evidences from the northern Apennines (Italy). <i>Tectonophysics</i> , 2001 , 337, 53-64	3.1	59
17	Geomagnetic depth sounding in the Northern Apennines (Italy). <i>Earth, Planets and Space</i> , 2001 , 53, 385-396	3.1	6
16	Rotational differences between the northern and southern Tyrrhenian domains: palaeomagnetic constraints from the Amantea basin (Calabria, Italy). <i>Journal of the Geological Society</i> , 2000 , 157, 327-334	2.7	30
15	Extensional tectonics in the Amantea basin (Calabria, Italy): a comparison between structural and magnetic anisotropy data. <i>Tectonophysics</i> , 1999 , 307, 33-49	3.1	70
14	Magnetic proxy climate results from the Duanjiapo loess section, southernmost extremity of the Chinese loess plateau. <i>Journal of Geophysical Research</i> , 1999 , 104, 645-659		102
13	Timing and magnitude of rotations in the frontal thrust systems of southwestern Sicily. <i>Tectonics</i> , 1999 , 18, 1178-1197	4.3	60
12	Magnetic fabric of clay sediments from the external northern Apennines (Italy). <i>Physics of the Earth and Planetary Interiors</i> , 1998 , 105, 73-93	2.3	98
11	The role of pre-existing thrust faults and topography on the styles of extension in the Gran Sasso range (central Italy). <i>Tectonophysics</i> , 1998 , 292, 229-254	3.1	65
10	Neogene-Quaternary evolution of the central Apennine orogenic system (Italy): a structural and palaeomagnetic approach in the Molise region. <i>Tectonophysics</i> , 1998 , 299, 143-157	3.1	16
9	Tectonics of the Umbria-Marche-Romagna Arc (central northern Apennines, Italy): New paleomagnetic constraints. <i>Journal of Geophysical Research</i> , 1997 , 102, 3153-3166		75
8	Cinématique des déformations au sein d'un système chevauchant aveugle; l'exemple de la "Montagna dei Fiori" (front des Apennins centraux, Italie). <i>Bulletin - Société Géologique De France</i> , 1995 , 166, 451-461	2.3	25
7	Paleomagnetic evidence for Cenozoic clockwise rotation of the external Albanides. <i>Earth and Planetary Science Letters</i> , 1995 , 129, 121-134	5.3	46
6	Paleomagnetism of external southern and central Dinarides and northern Albanides: Implications for the Cenozoic activity of the Scutari-Pec Transverse Zone. <i>Journal of Geophysical Research</i> , 1995 , 100, 14999-15007		50
5	First paleomagnetism of eocene rocks from Gargano: Widespread overprint or non rotation?. <i>Geophysical Research Letters</i> , 1993 , 20, 2627-2630	4.9	14

4	Magnetic fabric analysis of the Plio-Pleistocene clayey units of the Sant'Arcangelo basin, southern Italy. <i>Physics of the Earth and Planetary Interiors</i> , 1993 , 77, 165-176	2.3	53
3	First paleomagnetic evidence for rotation of the Ionian Zone of Albania. <i>Geophysical Research Letters</i> , 1992 , 19, 697-700	4.9	26
2	Paleomagnetic dating of prehistoric lava flows from the urban district of Catania (Etna volcano, Italy). <i>Bulletin of the Geological Society of America</i> ,	3.9	1
1	Crustal deformation and exhumation within the India-Eurasia oblique convergence zone: New insights from the Ailao Shan-Red River shear zone. <i>Bulletin of the Geological Society of America</i> ,	3.9	4