

Federico Rossetti

List of Publications by Year in descending order

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109
papers

5,725
citations

87888

38
h-index

82547

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all docs

128
docs citations

128
times ranked

3964
citing authors

#	ARTICLE	IF	CITATIONS
1	Alpine subduction zone metamorphism in the Palaeozoic successions of the Monti Romani (Northern Tj ETQq1 1 0,784314 rgBT /Overl	3.4	2
2	Middle Pleistocene fluid infiltration with 10 ⁴ –15 ⁴ recurrence within the seismic cycle of the active Monte Morrone Fault System (central Apennines, Italy). <i>Tectonophysics</i> , 2022, 827, 229269.	2.2	6
3	The pressure–temperature–time–deformation history of the Beni Mzala unit (Upper Sebides, Rif belt,) Tj ETQq1 1 0.784314 rgBT /Overl Mediterranean. <i>Journal of Metamorphic Geology</i> , 2021, 39, 591-615.	3.4	16
4	Reply to Norini and Groppelli's comment on "Estimating the depth and evolution of intrusions at resurgent calderas: Los Humeros (Mexico)" by Urbani et al. (2020). <i>Solid Earth</i> , 2021, 12, 1111-1124.	2.8	4
5	Slab Folding and Surface Deformation of the Iran Mobile Belt. <i>Tectonics</i> , 2021, 40, e2020TC006300.	2.8	15
6	Timing of Alpine Orogeny and Postorogenic Extension in the Alboran Domain, Inner Rif Chain, Morocco. <i>Tectonics</i> , 2021, 40, e2021TC006707.	2.8	13
7	Polyphase post-Variscan thinning of the North Pyrenean crust: Constraints from the P-T-t-deformation history of the exhumed Variscan lower crust (Saleix Massif, France). <i>Tectonophysics</i> , 2021, 820, 229122.	2.2	3
8	Structurally controlled growth of fibrous amphibole in tectonized metagabbro: constraints on asbestos concentrations in non-serpentinized rocks. <i>Journal of the Geological Society</i> , 2020, 177, 103-119.	2.1	2
9	Disproving the Presence of Paleozoic–Triassic Metamorphic Rocks on the Island of Zannone (Central Tj ETQq1 1 0.784314 rgBT /Overl 2020, 39, e2020TC006296.	2.8	15
10	Hercynian anatexis in the envelope of the Beni Bousera peridotites (Alboran Domain, Morocco): Implications for the tectono-metamorphic evolution of the deep crustal roots of the Mediterranean region. <i>Gondwana Research</i> , 2020, 83, 157-182.	6.0	27
11	The role of trapped fluids during the development and deformation of a carbonate/shale intra-wedge tectonic mélange (Mt. Massico, Southern Apennines, Italy). <i>Journal of Structural Geology</i> , 2020, 138, 104086.	2.3	9
12	Topography, structural and exhumation history of the Admiralty Mountains region, northern Victoria Land, Antarctica. <i>Geoscience Frontiers</i> , 2020, 11, 1841-1858.	8.4	4
13	Anatomy of the magmatic plumbing system of Los Humeros Caldera (Mexico): implications for geothermal systems. <i>Solid Earth</i> , 2020, 11, 125-159.	2.8	48
14	Estimating the depth and evolution of intrusions at resurgent calderas: Los Humeros (Mexico). <i>Solid Earth</i> , 2020, 11, 527-545.	2.8	19
15	Long-lived, Eocene-Miocene stationary magmatism in NW Iran along a transform plate boundary. <i>Gondwana Research</i> , 2020, 85, 237-262.	6.0	27
16	Special issue on Mesozoic-Cenozoic tectono-magmatic evolution of Iran. <i>International Geology Review</i> , 2020, 62, 1611-1614.	2.1	2
17	The long-term evolution of the Doruneh Fault region (Central Iran): A key to understanding the spatio-temporal tectonic evolution in the hinterland of the Zagros convergence zone. <i>Geological Journal</i> , 2019, 54, 1454-1479.	1.3	28
18	Multiphase magma intrusion, ore-enhancement and hydrothermal carbonatisation in the Siah-Kamar porphyry Mo deposit, Urumieh-Dokhtar magmatic zone, NW Iran. <i>Ore Geology Reviews</i> , 2019, 110, 102930.	2.7	22

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19	The Gediz Supradetachment System (SW Turkey): Magmatism, Tectonics, and Sedimentation During Crustal Extension. <i>Tectonics</i> , 2019, 38, 1414-1440.	2.8	15
20	Development of an Intra-wedge Tectonic Mélange by Out-of-Sequence Thrusting, Buttressing, and Intraformational Rheological Contrast, Mt. Massico Ridge, Apennines, Italy. <i>Tectonics</i> , 2019, 38, 1223-1249.	2.8	25
21	Hematite (U-Th)/He thermochronometry constrains intraplate strike-slip faulting on the Kuh-e-Faghan Fault, central Iran. <i>Tectonophysics</i> , 2018, 728-729, 41-54.	2.2	19
22	Magmatic Mn-rich garnets in volcanic settings: Age and longevity of the magmatic plumbing system of the Miocene Ramadas volcanism (NW Argentina). <i>Lithos</i> , 2018, 322, 238-249.	1.4	19
23	Variability in uplift, exhumation and crustal deformation along the Transantarctic Mountains front in southern Victoria Land, Antarctica. <i>Tectonophysics</i> , 2018, 745, 229-244.	2.2	11
24	First records of syn-diagenetic non-tectonic folding in quaternary thermogene travertines caused by hydrothermal incremental veining. <i>Tectonophysics</i> , 2017, 700-701, 60-79.	2.2	9
25	Early Carboniferous subduction-zone metamorphism preserved within the Palaeo-Tethyan Rasht ophiolites (western Alborz, Iran). <i>Journal of the Geological Society</i> , 2017, 174, 741-758.	2.1	39
26	Magmatism and crustal extension: Constraining activation of the ductile shearing along the Gediz detachment, Menderes Massif (western Turkey). <i>Lithos</i> , 2017, 282-283, 145-162.	1.4	28
27	Reply to the comment on "First records of syn-diagenetic non-tectonic folding in Quaternary thermogene travertines caused by hydrothermal incremental veining" by Billi et alii. <i>Tectonophysics</i> , 2017, 721, 501-512.	2.2	2
28	The Post-Eocene Evolution of the Doruneh Fault Region (Central Iran): The Intraplate Response to the Reorganization of the Arabia-Eurasia Collision Zone. <i>Tectonics</i> , 2017, 36, 3038-3064.	2.8	38
29	Tectonic structures and commercial compartments in active quarrying: a case history from northern Italy. <i>Bulletin of Engineering Geology and the Environment</i> , 2017, 76, 477-496.	3.5	3
30	Growth of a Pleistocene giant carbonate vein and nearby thermogene travertine deposits at Semproniano, southern Tuscany, Italy: Estimate of CO ₂ leakage. <i>Tectonophysics</i> , 2016, 690, 219-239.	2.2	38
31	Tschermak fractionation in calc-alkaline magmas: the Eocene Sabzevar volcanism (NE Iran). <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	1.3	21
32	Tectonics, hydrothermalism, and paleoclimate recorded by Quaternary travertines and their spatio-temporal distribution in the Albegna basin, central Italy: Insights on Tyrrhenian margin neotectonics. <i>Lithosphere</i> , 2016, 8, 335-358.	1.4	39
33	Geomorphic signal of active faulting at the northern edge of Lut Block: Insights on the kinematic scenario of Central Iran. <i>Tectonics</i> , 2016, 35, 76-102.	2.8	22
34	The calc-alkaline and adakitic volcanism of the Sabzevar structural zone (NE Iran): Implications for the Eocene magmatic flare-up in Central Iran. <i>Lithos</i> , 2016, 248-251, 517-535.	1.4	60
35	Spatio-temporal evolution of intraplate strike-slip faulting: The Neogene "Quaternary Kuh-e-Faghan Fault, central Iran. <i>Bulletin of the Geological Society of America</i> , 2016, 128, 374-396.	3.3	26
36	Contrasting styles of (U)HP rock exhumation along the Cenozoic Adria-Europe plate boundary (Western Alps, Calabria, Corsica). <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1786-1824.	2.5	102

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37	Pressure-temperature-deformation-time of the ductile Alpine shearing in Corsica: From orogenic construction to collapse. <i>Lithos</i> , 2015, 218-219, 99-116.	1.4	46
38	Hydrolithology of the area between Tuscany, Latium and Umbria regions (Italy). <i>Journal of Maps</i> , 2015, 11, 464-479.	2.0	4
39	Miocene-to-Quaternary oblique rifting signature in the Western Ross Sea from fault patterns in the McMurdo Volcanic Group, north Victoria Land, Antarctica. <i>Tectonophysics</i> , 2015, 656, 74-90.	2.2	15
40	Evidence of a full West Antarctic Ice Sheet back to the early Oligocene: insight from double dating of detrital apatites in Ross Sea sediments.. <i>Terra Nova</i> , 2015, 27, 238-246.	2.1	12
41	A way to hydrothermal paroxysm, Colli Albani volcano, Italy. <i>Bulletin of the Geological Society of America</i> , 2015, 127, 672-687.	3.3	20
42	Tectonic setting and geochronology of the Cadomian (Ediacaran-Cambrian) magmatism in Central Iran, Kuh-e-Sarhangi region (NW Lut Block). <i>Journal of Asian Earth Sciences</i> , 2015, 102, 24-44.	2.3	74
43	Paleozoic siliciclastic rocks from northern Victoria Land (Antarctica): Provenance, timing of deformation, and implications for the Antarctica-Australia connection. <i>Bulletin of the Geological Society of America</i> , 2014, 126, 1416-1438.	3.3	24
44	Feedback between fluid infiltration and rheology along a regional ductile-to-brittle shear zone: The East Tenda Shear Zone (Alpine Corsica). <i>Tectonics</i> , 2014, 33, 253-280.	2.8	24
45	Mantle dynamics in the Mediterranean. <i>Reviews of Geophysics</i> , 2014, 52, 283-332.	23.0	394
46	Asbestos fibre identification vs. evaluation of asbestos hazard in ophiolitic rock outcrops, a case study from the Ligurian Alps (Italy). <i>Environmental Earth Sciences</i> , 2014, 72, 3679-3698.	2.7	34
47	Cenozoic erosion of the Transantarctic Mountains: A source-to-sink thermochronological study. <i>Tectonophysics</i> , 2014, 630, 158-165.	2.2	18
48	Tectonic and climatic signals from apatite detrital fission track analysis of the Cape Roberts Project core records, South Victoria Land, Antarctica. <i>Tectonophysics</i> , 2013, 594, 80-90.	2.2	15
49	Structural compartmentalisation of a geothermal system, the Torre Alfina field (central Italy). <i>Tectonophysics</i> , 2013, 608, 482-498.	2.2	24
50	Post-Neogene right-lateral strike-slip tectonics at the north-western edge of the Lut Block (Kuh-e-Sarhangi Fault), Central Iran. <i>Tectonophysics</i> , 2013, 589, 220-233.	2.2	26
51	Early Miocene strike-slip tectonics and granite emplacement in the Alboran Domain (Rif Chain, Tj ETQq1 1 0.784314 rgBT /Overlock 10 2013, 608, 774-791.	2.2	31
52	Clinopyroxene-rutile phyllonites from the East Tenda Shear Zone (Alpine Corsica, France): pressure-temperature-time constraints to the Alpine reworking of Variscan Corsica. <i>Journal of the Geological Society</i> , 2012, 169, 723-732.	2.1	35
53	The emplacement of the Late Miocene Monte Capanne intrusion (Elba Island, Central Italy): constraints from magnetic fabric analyses. <i>International Journal of Earth Sciences</i> , 2012, 101, 787-802.	1.8	10
54	Long-lived orogenic construction along the paleo-Pacific margin of Gondwana (Deep Freeze Range, Tj ETQq0 0,0,rgBT /Overlock 10 20	2.8	20

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55	Linking rock fabric to fibrous mineralisation: a basic tool for the asbestos hazard. <i>Natural Hazards and Earth System Sciences</i> , 2011, 11, 1267-1280.	3.6	23
56	Fluid flow within the damage zone of the Boccheggiano extensional fault (Larderello-Travale) mineralization in extensional settings. <i>Geological Magazine</i> , 2011, 148, 558-579.	1.5	38
57	Metamorphic history and geodynamic significance of the Early Cretaceous Sabzevar granulites (Sabzevar structural zone, NE Iran). <i>Solid Earth</i> , 2011, 2, 219-243.	2.8	18
58	Early Cretaceous migmatitic mafic granulites from the Sabzevar range (NE Iran): implications for the closure of the Mesozoic peri-Tethyan oceans in central Iran. <i>Terra Nova</i> , 2010, 22, 26-34.	2.1	97
59	Flow trajectories in analogue viscous orogenic wedges: Insights on natural orogens. <i>Tectonophysics</i> , 2010, 484, 119-126.	2.2	10
60	Pressure-temperature-deformation-time (P-T-d-t) exhumation history of the Voltri Massif HP complex, Ligurian Alps, Italy. <i>Tectonics</i> , 2010, 29, n/a-n/a.	2.8	33
61	Timing and modes of granite magmatism in the core of the Alboran Domain, Rif chain, northern Morocco: Implications for the Alpine evolution of the western Mediterranean. <i>Tectonics</i> , 2010, 29, n/a-n/a.	2.8	59
62	Retrogressive fabric development during exhumation of the Voltri Massif (Ligurian Alps, Italy): arguments for an extensional origin and implications for the Alps-Apennines linkage. <i>International Journal of Earth Sciences</i> , 2009, 98, 1077-1093.	1.8	18
63	Reply to the comment by G. Capponi et al. on "Subduction polarity reversal at the junction between the Western Alps and the Northern Apennines, Italy" by G. Vignaroli et al. (<i>Tectonophysics</i> , 2008, 450, 34-50).		
64	Insights from the Apennines metamorphic complexes and their bearing on the kinematics evolution of the orogen. <i>Geological Society Special Publication</i> , 2009, 311, 235-256.	1.3	29
65	Composition and evolution of fluids during skarn development in the Monte Capanne thermal aureole, Elba Island, central Italy. <i>Geofluids</i> , 2008, 8, 167-180.	0.7	12
66	Compressional reworking of the East African Orogen in the Uluguru Mountains of eastern Tanzania at 550 Ma: implications for the final assembly of Gondwana. <i>Terra Nova</i> , 2008, 20, 59-67.	2.1	29
67	Recent extension driven by mantle upwelling beneath the Admiralty Mountains (East Antarctica). <i>Tectonics</i> , 2008, 27, .	2.8	54
68	Subduction, convergence and the mode of backarc extension in the Mediterranean region. <i>Bulletin - Societe Geologique De France</i> , 2008, 179, 525-550.	2.2	136
69	Subduction polarity reversal at the junction between the Western Alps and the Northern Apennines, Italy. <i>Tectonophysics</i> , 2008, 450, 34-50.	2.2	125
70	Pliocene-Pleistocene HT-LP metamorphism during multiple granitic intrusions in the southern branch of the Larderello geothermal field (southern Tuscany, Italy). <i>Journal of the Geological Society</i> , 2008, 165, 247-262.	2.1	40
71	Styles and regimes of orogenic thickening in the Peloritani Mountains (Sicily, Italy): new constraints on the tectono-metamorphic evolution of the Apennine belt. <i>Geological Magazine</i> , 2008, 145, 552-569.	1.5	23
72	Structural and thermochronological constraints to the evolution of the West Antarctic Rift System in central Victoria Land. <i>Tectonics</i> , 2008, 27, .	2.8	33

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73	The architecture of brittle postorogenic extension: Results from an integrated structural and paleomagnetic study in north Calabria (southern Italy). <i>Bulletin of the Geological Society of America</i> , 2007, 119, 221-239.	3.3	51
74	Evolution of experimental thrust wedges accreted from along-strike tapered, silicone-floored multilayers. <i>Journal of the Geological Society</i> , 2007, 164, 73-85.	2.1	45
75	Intraplate termination of transform faulting within the Antarctic continent. <i>Earth and Planetary Science Letters</i> , 2007, 260, 115-126.	4.4	54
76	Tectonic evolution of arcuate mountain belts on top of a retreating subduction slab: The example of the Calabrian Arc. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	65
77	Patterns of fluid flow in the contact aureole of the Late Miocene Monte Capanne pluton (Elba Island, Italy). <i>Journal of Metamorphic Geology</i> , 2007, 25, 743-760.	3.1	51
78	Eocene initiation of Ross Sea dextral faulting and implications for East Antarctic neotectonics. <i>Journal of the Geological Society</i> , 2006, 163, 119-126.	2.1	44
79	Deformation and fluid flow during orogeny at the palaeo-Pacific active margin of Gondwana: the Early Palaeozoic Robertson Bay accretionary complex (north Victoria Land, Antarctica). <i>Journal of Metamorphic Geology</i> , 2006, 24, 33-53.	3.4	20
80	Transantarctic Basin: new insights from fission track and structural data from the USARP Mountains and adjacent areas (Northern Victoria Land, Antarctica). <i>Basin Research</i> , 2006, 18, 497-520.	2.7	22
81	Extrusion vs. accretion at the frictional-viscous to collement transition in experimental thrust wedges: the role of convergence velocity. <i>Terra Nova</i> , 2006, 18, 241-247.	2.1	17
82	Consistent kinematic architecture in the damage zones of intraplate strike-slip fault systems in North Victoria Land, Antarctica and implications for fault zone evolution. <i>Journal of Structural Geology</i> , 2006, 28, 50-63.	2.3	36
83	A counter-clockwise P-T path for the Voltri Massif eclogites (Ligurian Alps, Italy). <i>Journal of Metamorphic Geology</i> , 2005, 23, 533-555.	3.4	43
84	Structural and kinematic constraints to the exhumation of the Alpujarride Complex (Central Betic). <i>Journal of Structural Geology</i> , 2005, 23, 101-110.	2.3	36
85	An AMS, structural and paleomagnetic study of quaternary deformation in eastern Sicily. <i>Journal of Structural Geology</i> , 2004, 26, 29-46.	2.3	64
86	Lateral slab deformation and the origin of the western Mediterranean arcs. <i>Tectonics</i> , 2004, 23, n/a-n/a.	2.8	680
87	Alpine orogenic P-T-t-deformation history of the Catena Costiera area and surrounding regions (Calabrian Arc, southern Italy): The nappe edifice of north Calabria revised with insights on the Tyrrhenian-Apennine system formation. <i>Tectonics</i> , 2004, 23, n/a-n/a.	2.8	103
88	⁴⁰ Ar- ³⁹ Ar dating of pseudotachylytes: the effect of clast-hosted extraneous argon in Cenozoic fault-generated friction melts from the West Antarctic Rift System. <i>Earth and Planetary Science Letters</i> , 2004, 223, 349-364.	4.4	52
89	Role of décollement material with different rheological properties in the structure of the Aljibe thrust imbricate (Flysch Trough, Gibraltar Arc): an analogue modelling approach. <i>Journal of Structural Geology</i> , 2003, 25, 867-881.	2.3	81
90	Tectonic and denudational history of the Rennick Graben (North Victoria Land): Implications for the evolution of rifting between East and West Antarctica. <i>Tectonics</i> , 2003, 22, n/a-n/a.	2.8	50

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91	Intraplate strike-slip tectonics as an alternative to mantle plume activity for the Cenozoic rift magmatism in the Ross Sea region, Antarctica. Geological Society Special Publication, 2003, 210, 145-158.	1.3	34
92	Brittle architecture of the Lanterman Fault and its impact on the final terrane assembly in north Victoria Land, Antarctica. Journal of the Geological Society, 2002, 159, 159-173.	2.1	33
93	The role of extensional tectonics at different crustal levels on granite ascent and emplacement: an example from Tuscany (Italy). Tectonophysics, 2002, 354, 71-83.	2.2	75
94	The influence of backstop dip and convergence velocity in the growth of viscous doubly-vergent orogenic wedges: insights from thermomechanical laboratory experiments. Journal of Structural Geology, 2002, 24, 953-962.	2.3	25
95	The Miocene tectono-sedimentary evolution of the southern Tyrrhenian Sea: stratigraphy, structural and palaeomagnetic data from the on-shore Amantea basin (Calabrian Arc, Italy). Basin Research, 2002, 14, 147-168.	2.7	117
96	Alpine structural and metamorphic signature of the Sila Piccola Massif nappe stack (Calabria, Italy): Insights for the tectonic evolution of the Calabrian Arc. Tectonics, 2001, 20, 112-133.	2.8	119
97	Structural architecture and displacement accommodation mechanisms at the termination of the Priestley Fault, northern Victoria Land, Antarctica. Tectonophysics, 2001, 341, 141-161.	2.2	60
98	Re-equilibration textures of fluid inclusions in exhumed high-pressure rocks: the example of the Tuscan Archipelago (Northern Tyrrhenian Sea, Italy). Mineralogy and Petrology, 2001, 71, 139-147.	1.1	2
99	History of subduction and back-arc extension in the Central Mediterranean. Geophysical Journal International, 2001, 145, 809-820.	2.4	565
100	Modeling of temperature-dependent strength in orogenic wedges: First results from a new thermomechanical apparatus. , 2001, , .		5
101	Cenozoic noncoaxial transtension along the western shoulder of the Ross Sea, Antarctica, and the emplacement of McMurdo dyke arrays. Terra Nova, 2000, 12, 60-66.	2.1	39
102	Convergence rate-dependent growth of experimental viscous orogenic wedges. Earth and Planetary Science Letters, 2000, 178, 367-372.	4.4	24
103	Pluton emplacement in the Northern Tyrrhenian area, Italy. Geological Society Special Publication, 2000, 174, 55-77.	1.3	11
104	Sand-box modelling of basement-controlled transfer zones in extensional domains. Terra Nova, 1999, 11, 149-156.	2.1	56
105	Rheological properties of paraffin as an analogue material for viscous crustal deformation. Journal of Structural Geology, 1999, 21, 413-417.	2.3	40
106	Syn- versus post-orogenic extension: the case study of Giglio Island (Northern Tyrrhenian Sea, Italy). Tectonophysics, 1999, 304, 71-93.	2.2	87
107	Extensional tectonics in the Amantea basin (Calabria, Italy): a comparison between structural and magnetic anisotropy data. Tectonophysics, 1999, 307, 33-49.	2.2	78
108	Midcrustal shear zones in postorogenic extension: Example from the northern Tyrrhenian Sea. Journal of Geophysical Research, 1998, 103, 12123-12160.	3.3	456

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109	Field Trip 2 - General Architecture and tectonic evolution of Alpine Corsica. Insights from a transect between Bastia and the Balagne region.. Journal of the Virtual Explorer, 0, 39, .	0.0	0