

Laura Crispini

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,194
citations

236612

25
h-index

233125

45
g-index

87
all docs

87
docs citations

87
times ranked

1929
citing authors

#	ARTICLE	IF	CITATIONS
1	Drilling to Gabbro in Intact Ocean Crust. <i>Science</i> , 2006, 312, 1016-1020.	6.0	230
2	The role of serpentinites in cycling of carbon and sulfur: Seafloor serpentinitization and subduction metamorphism. <i>Lithos</i> , 2013, 178, 40-54.	0.6	193
3	Ophiolite mélange zone records exhumation in a fossil subduction channel. <i>Geology</i> , 2007, 35, 499.	2.0	142
4	Carbonation of subduction-zone serpentinite (high-pressure ophiocarbonate; Ligurian Western Alps) and implications for the deep carbon cycling. <i>Earth and Planetary Science Letters</i> , 2016, 441, 155-166.	1.8	96
5	³⁹ Ar/ ⁴⁰ Ar dating of high-pressure rocks from the Ligurian Alps: Evidence for a continuous subduction–exhumation cycle. <i>Earth and Planetary Science Letters</i> , 2005, 240, 668-680.	1.8	74
6	Age, origin and geodynamic significance of plagiogranites in lherzolites and gabbros of the Piedmont-Ligurian ocean basin. <i>Earth and Planetary Science Letters</i> , 1996, 140, 227-241.	1.8	73
7	Landsat-8, Advanced Spaceborne Thermal Emission and Reflection Radiometer, and WorldView-3 Multispectral Satellite Imagery for Prospecting Copper-Gold Mineralization in the Northeastern Inglefield Mobile Belt (IMB), Northwest Greenland. <i>Remote Sensing</i> , 2019, 11, 2430.	1.8	72
8	Subduction zone metamorphic pathway for deep carbon cycling: II. Evidence from HP/UHP metabasaltic rocks and ophiocarbonates. <i>Chemical Geology</i> , 2015, 412, 132-150.	1.4	68
9	Origin and emplacement of ultramafic–mafic intrusions in the Erro-Tobbio mantle peridotite (Ligurian) Tj ETQq1 1.0784314rgBT /C 0.6 67	1.0	67
10	Sulfur geochemistry of peridotite-hosted hydrothermal systems: Comparing the Ligurian ophiolites with oceanic serpentinites. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 91, 283-305.	1.6	61
11	Mapping Listvenite Occurrences in the Damage Zones of Northern Victoria Land, Antarctica Using ASTER Satellite Remote Sensing Data. <i>Remote Sensing</i> , 2019, 11, 1408.	1.8	60
12	The Ross orogeny of the transantarctic mountains: a northern Victoria Land perspective. <i>International Journal of Earth Sciences</i> , 2006, 95, 759-770.	0.9	52
13	Geology of the Western Alps-Northern Apennine junction area: a regional review. <i>Journal of the Virtual Explorer</i> , 0, 36, .	0.0	51
14	Exhumation of alpine high-pressure rocks: insights from petrology of eclogite clasts in the Tertiary Piedmontese basin (Ligurian Alps, Italy). <i>Lithos</i> , 2004, 74, 21-40.	0.6	49
15	The exhumation of high pressure ophiolites (Voltri Massif, Western Alps): Insights from structural and petrologic data on metagabbro bodies. <i>Tectonophysics</i> , 2012, 568-569, 102-123.	0.9	48
16	Uptake of carbon and sulfur during seafloor serpentinitization and the effects of subduction metamorphism in Ligurian peridotites. <i>Chemical Geology</i> , 2012, 322-323, 268-277.	1.4	45
17	Structural history and tectonic evolution of the boundary between the Wilson and Bowers terranes, Lanterman Range, northern Victoria Land, Antarctica. <i>Tectonophysics</i> , 1999, 312, 249-266.	0.9	44
18	Dynamics and seismotectonics of the West-Alpine arc. <i>Tectonophysics</i> , 1996, 267, 143-175.	0.9	42

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19	The Cambrian Ross Orogeny in northern Victoria Land (Antarctica) and New Zealand: A synthesis. <i>Gondwana Research</i> , 2009, 15, 188-196.	3.0	41
20	Oblique subduction modelling indicates along-trench tectonic transport of sediments. <i>Nature Communications</i> , 2013, 4, 2456.	5.8	35
21	Late Alpine tectonics in the Ligurian Alps: constraints from the Tertiary Piedmont Basin conglomerates. <i>Geological Journal</i> , 2009, 44, 211-224.	0.6	30
22	In situ carbon mineralization in ultramafic rocks: Natural processes and possible engineered methods. <i>Energy Procedia</i> , 2018, 146, 92-102.	1.8	30
23	From mantle peridotites to hybrid troctolites: Textural and chemical evolution during melt-rock interaction history (Mt. Maggiore, Corsica, France). <i>Lithos</i> , 2018, 323, 4-23.	0.6	29
24	Melt/rock reaction at oceanic peridotite/gabbro transition as revealed by trace element chemistry of olivine. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 190, 309-331.	1.6	28
25	Geology of the Eastern Ligurian Alps: a review of the tectonic units. <i>Italian Journal of Geosciences</i> , 2016, 135, 157-169.	0.4	27
26	Unravelling polyphase brittle tectonics through multi-software fault-slip analysis: The case of the Voltri Unit, Western Alps (Italy). <i>Journal of Structural Geology</i> , 2014, 68, 175-193.	1.0	26
27	Petrology and ^{40}Ar - ^{39}Ar dating of shear zones in the Lanterman Range (northern Victoria Land). <i>Tectonics</i> , 2007, 26, 217-249.	0.4	24
28	Intraoceanic subduction of heterogeneous oceanic lithosphere in narrow basins: 2D numerical modeling. <i>Lithos</i> , 2012, 140-141, 234-251.	0.6	24
29	Multi-stage Reactive Formation of Troctolites in Slow-spreading Oceanic Lithosphere (Erro Tobbio). <i>Tectonics</i> , 2011, 30, 217-249.	1.1	24
30	Fault-slip analysis and transpressional tectonics: A study of Paleozoic structures in northern Victoria Land, Antarctica. <i>Journal of Structural Geology</i> , 2010, 32, 667-684.	1.0	23
31	Identification of Phyllosilicates in the Antarctic Environment Using ASTER Satellite Data: Case Study from the Mesa Range, Campbell and Priestley Glaciers, Northern Victoria Land. <i>Remote Sensing</i> , 2021, 13, 38.	1.8	22
32	Late structural evolution in an accretionary wedge: insights from the Voltri Massif (Ligurian Alps). <i>Tectonics</i> , 2010, 29, 217-249.	2.2	21
33	Ophicarbonates evolution from seafloor to subduction and implications for deep-Earth C cycling. <i>Chemical Geology</i> , 2020, 546, 119626.	1.4	21
34	Different PT paths recorded in a tectonic mélange (Voltri Massif, NW Italy): implications for the exhumation of HP rocks. <i>Geodinamica Acta</i> , 2007, 20, 3-19.	2.2	20
35	Fluid inclusion evidence for progressive folding during decompression in metasediments of the Voltri Group (Western Alps, Italy). <i>Journal of Structural Geology</i> , 1998, 20, 1733-1746.	1.0	19
36	Origin of the sheeted dike complex at superfast spread East Pacific Rise revealed by deep ocean crust drilling at Ocean Drilling Program Hole 1256D. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	19

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37	Fault slip analysis in the metaophiolites of the Voltri Massif: constraints for the tectonic evolution at the Alps/Apennine boundary. <i>Geological Journal</i> , 2009, 44, 225-240.	0.6	19
38	Potentially Toxic Elements in Ultramafic Soils: A Study from Metamorphic Ophiolites of the Voltri Massif (Western Alps, Italy). <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 502.	0.8	19
39	Quartz fabric and strain partitioning in sheath folds: an example from the Voltri Group (Western Alps). <i>Tectonics</i> , 2017, 36, 1074-1087.	1.0	17
40	The Dorn gold deposit in northern Victoria Land, Antarctica: Structure, hydrothermal alteration, and implications for the Gondwana Pacific margin. <i>Gondwana Research</i> , 2011, 19, 128-140.	3.0	17
41	Structure of the Millen Schist Belt (Antarctica): Clues for the tectonics of northern Victoria Land along the paleo-Pacific margin of Gondwana. <i>Tectonics</i> , 2014, 33, 420-440.	1.3	14
42	Normal faulting and evolution of fluid discharge in a Jurassic seafloor ultramafic-hosted hydrothermal system. <i>Geology</i> , 2018, 46, 523-526.	2.0	14
43	Deformation pattern in a massive ponded lava flow at ODP-IODP Site 1256: A core and log approach. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	12
44	The metaconglomerates of the eastern Lanterman Range (northern Victoria Land, Antarctica): new constraints for their interpretation. <i>Antarctic Science</i> , 1999, 11, 217-227.	0.5	11
45	Geology of the Pontinvrea area (Ligurian Alps, Italy): structural setting of the contact between Montenotte and Voltri units. <i>Journal of Maps</i> , 2015, 11, 101-113.	1.0	11
46	Fluid-controlled deformation in blueschist-facies conditions: plastic vs brittle behaviour in a brecciated mylonite (Voltri Massif, Western Alps, Italy). <i>Geological Magazine</i> , 2018, 155, 335-355.	0.9	11
47	Mineralogy and Geochemistry of Ultramafic Rocks from Rachoni Magnesite Mine, Gerakini (Chalkidiki, Greece). <i>Tectonics</i> , 2017, 36, 1074-1087.	0.8	11
48	Comment on "Subduction polarity reversal at the junction between the Western Alps and the Northern Apennines, Italy" by G. Vignaroli, C. Faccenna, L. Jolivet, C. Piromallo, F. Rossetti. <i>Tectonophysics</i> , 2009, 465, 221-226.	0.9	9
49	Interplate deformation at early-stage oblique subduction: 3D thermomechanical numerical modeling. <i>Tectonics</i> , 2016, 35, 1610-1625.	1.3	9
50	Microstructures of epidote-prehnite bearing damaged granitoids (northern Victoria Land, Antarctica). <i>Structural Geology</i> , 2021, 147, 104350.	1.0	8
51	Felsic segregation during crystallization of a subaqueous lava field (ODP-IODP Site 1256, East Pacific). <i>Geology</i> , 2010, 38, 31-34.	0.8	7
52	Field and spaceborne imagery data for evaluation of the paleo-stress regime during formation of the Jurassic dike swarms in the Kalateh Alaeddin Mountain area, Shahrood, north Iran. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	0.6	6
53	Geological Map of a Treasure Chest of Geodiversity: The Lavagnina Lakes Area (Alessandria, Italy). <i>Geosciences (Switzerland)</i> , 2019, 9, 229.	1.0	6
54	Persistent Scatterer Interferometry and Statistical Analysis of Time-Series for Landslide Monitoring: Application to Santo Stefano Aveto (Liguria, NW Italy). <i>Remote Sensing</i> , 2021, 13, 3348.	1.8	6

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55	Stratigraphic vs structural contacts in a late orogenic basin: the case of the Tertiary Piedmont Basin in the Sassello area (Ligurian Alps, Italy). <i>Journal of Maps</i> , 2016, 12, 959-967.	1.0	5
56	Workshop report: Exploring deep oceanic crust off Hawai'i. <i>Scientific Drilling</i> , 0, 29, 69-82.	1.0	5
57	Late orogenic transpressional tectonics in the «Ligurian Knot». <i>Bollettino Della Societ� Geologica Italiana</i> , 2009, , 433-441.	2.0	4
58	Permeability Structure of the Lava�Dike Transition of 15�Myr�Old Oceanic Crust Formed at the East Pacific Rise. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3555-3569.	1.0	4
59	The Formation of Dunite Channels within Harzburgite in the Wadi Tayin Massif, Oman Ophiolite: Insights from Compositional Variability of Cr-Spinel and Olivine in Holes BA1B and BA3A, Oman Drilling Project. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 167.	0.8	4
60	Intracrystalline melt migration in deformed olivine revealed by trace element compositions and polyphase solid inclusions. <i>European Journal of Mineralogy</i> , 2021, 33, 463-477.	0.4	4
61	A mountain slope deformation in an alpine metaophiolitic massif (Ligurian Alps, Italy). <i>Journal of Maps</i> , 2021, 17, 77-89.	1.0	4
62	Paleo-depth of fossil faults estimated from paleostress state: Applications from the Alps and the Apennines (Italy). <i>Journal of Structural Geology</i> , 2020, 140, 104152.	1.0	3
63	Uncharted Permian to Jurassic continental deposits in the far north of Victoria Land, East Antarctica. <i>Journal of the Geological Society</i> , 2021, 178, .	0.9	3
64	Multiple Reactivations of the Rennick Graben Fault System (Northern Victoria Land, Antarctica): New Evidence From Paleostress Analysis. <i>Tectonics</i> , 2022, 41, .	1.3	3
65	The Asbestos Risk in Meta-Ophiolitic Rocks: A Protocol for Preliminary Field and Laboratory Investigations During Geological Mapping. , 2015, , 623-626.		1
66	Data Report: Reoriented structures in the East Pacific Rise basaltic crust from ODP Hole 1256D, Leg 206: integration of core measurements and electrical-acoustic images. , 0, , .		1
67	First evidence of a tetrapod footprint from the Triassic of northern Victoria Land, Antarctica. <i>Polar Research</i> , 2019, 38, .	1.6	1
68	Late orogenic tectonics in the Ligurian Alps (Italy): constraints from syntectonic sedimentary deposits at the top of an exhumed plate interface. <i>Journal of Maps</i> , 2022, 18, 178-189.	1.0	1
69	The Italian Journal of Geosciences is increasing its appeal among Geoscientists. <i>Italian Journal of Geosciences</i> , 2014, 133, 3-4.	0.4	0
70	New Interpretation of Lemeglio Coastal Landslide (Liguria, Italy) Based on Field Survey and Integrated Monitoring Activities. , 2015, , 227-231.		0