Carosi Rodolfo

List of Publications by Year
in descending order

79	2,621	159585	197818
papers	citations	30 h-index	49 g-index

85	85	85	1230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The hercynian chain in Sardinia (Italy). Geodinamica Acta, 1994, 7, 31-47.	2.2	167
2	Tectonometamorphic discontinuities within the Greater Himalayan Sequence in Western Nepal (Central Himalaya): Insights on the exhumation of crystalline rocks. Tectonophysics, 2013, 608, 1349-1370.	2.2	150
3	Late Oligocene high-temperature shear zones in the core of the Higher Himalayan Crystallines (Lower) Tj ETQq1 1 0.784314 rgBT /Ov	2.8	135
4	The south Tibetan detachment system in the Rongbuk valley, Everest region. Deformation features and geological implications. Journal of Asian Earth Sciences, 1998, 16, 299-311.	2.3	131
5	Pressureâ€“temperatureâ€“timeâ€“deformation path of kyanite-bearing migmatitic paragneiss in the Kali Gandaki valley (Central Nepal): Investigation of Late Eoceneâ€“Early Oligocene melting processes. Lithos, 2015, 231, 103-121.	1.4	101
6	20 years of geological mapping of the metamorphic core across Central and Eastern Himalayas. Earth-Science Reviews, 2018, 177, 124-138.	9.1	95
7	Leucogranite intruding the South Tibetan Detachment in western Nepal: implications for exhumation models in the Himalayas. Terra Nova, 2013, 25, 478-489.	2.1	89
8	A structural transect in the Lower Dolpo: Insights on the tectonic evolution of Western Nepal. Journal of Asian Earth Sciences, 2007, 29, 407-423.	2.3	80
9	Tectonometamorphic discontinuities in the Greater Himalayan Sequence: a local or a regional feature?. Geological Society Special Publication, 2015, 412, 25-41.	1.3	77
10	Orogen-parallel tectonic transport in the Variscan belt of northeastern Sardinia (Italy): implications for the exhumation of medium-pressure metamorphic rocks. Geological Magazine, 2002, 139, .	1.5	76
11	Middle to late Eocene exhumation of the Greater Himalayan Sequence in the Central Himalayas: Progressive accretion from the Indian plate. Bulletin of the Geological Society of America, 2016, 128, 1571-1592.	3.3	72
12	Miocene andalusite leucogranite in central-east Himalaya (Everestâ€“Masang Kang area): Low-pressure melting during heating. Lithos, 2012, 144-145, 194-208.	1.4	66
13	Geochronological constraints on postâ€collisional shear zones in the Variscides of Sardinia (Italy). Terra Nova, 2012, 24, 42-51.	2.1	59
14	Eocene partial melting recorded in peritectic garnets from kyanite-gneiss, Greater Himalayan Sequence, central Nepal. Geological Society Special Publication, 2015, 412, 111-129.	1.3	59
15	Geology of the Higher Himalayan Crystallines in Khumbu Himal (Eastern Nepal). Journal of Asian Earth Sciences, 1999, 17, 785-803.	2.3	57
16	Mapping the Buraburi granite in the Himalaya of Western Nepal: Remote sensing analysis in a collisional belt with vegetation cover and extreme variation of topography. Remote Sensing of Environment, 2011, 115, 1129-1144.	11.0	57
17	Strain analysis and vorticity of flow in the Northern Sardinian Variscan Belt: Recognition of a partitioned oblique deformation event. Tectonophysics, 2008, 446, 77-96.	2.2	52
18	Geology and tectonoâ€metamorphic evolution of the Himalayan metamorphic core: insights from the Mugu Karnali transect, Western Nepal (Central Himalaya). Journal of Metamorphic Geology, 2017, 35, 301-325.	3.4	52

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19	Metamorphic evolution of the Tethyan Himalayan flysch in SE Tibet. Geological Society Special Publication, 2011, 353, 45-69.	1.3	51
20	Normal-sense shear zones in the core of the Higher Himalayan Crystallines (Bhutan Himalaya): evidence for extrusion?. Geological Society Special Publication, 2006, 268, 425-444.	1.3	47
21	Pressureâ€Temperatureâ€Deformationâ€Time Constraints on the South Tibetan Detachment System in the Garhwal Himalaya (NW India). Tectonics, 2017, 36, 2281-2304.	2.8	43
22	Kinematics and vorticity of flow associated with post-collisional oblique transpression in the Variscan Inner Zone of northern Sardinia (Italy). Journal of Structural Geology, 2009, 31, 1458-1471.	2.3	42
23	Tectonics of the Himalaya: an introduction. Geological Society Special Publication, 2015, 412, 1-3.	1.3	40
24	Transpressional deformation in northwestern Sardinia (Italy): insights on the tectonic evolution of the Variscan Belt. Comptes Rendus - Geoscience, 2002, 334, 287-294.	1.2	39
25	Fabric attractors in general triclinic flow systems and their application to high strain shear zones: A dynamical system approach. Journal of Structural Geology, 2007, 29, 298-317.	2.3	39
26	Pressureâ€“temperature and deformational evolution of high-pressure metapelites from Variscan NE Sardinia, Italy. Lithos, 2013, 175-176, 272-284.	1.4	37
27	Architecture of the Distal Piedmontâ€Ligurian Rifted Margin in NW Italy: Hints for a Flip of the Rift System Polarity. Tectonics, 2017, 36, 2388-2406.	2.8	35
28	Is there any detachment in the Lower Dolpo (western Nepal)?. Comptes Rendus - Geoscience, 2002, 334, 933-940.	1.2	32
29	Age and temperature constraints on metamorphism and exhumation of the syn-orogenic metamorphic complexes of Northern Apennines, Italy. Tectonophysics, 2011, 509, 254-271.	2.2	31
30	Tectono-metamorphic evolution of the Tethyan Sedimentary Sequence (Himalayas, SE Tibet). Italian Journal of Geosciences, 2017, 136, 73-88.	0.8	31
31	Structural evolution, metamorphism and melting in the Greater Himalayan Sequence in central-western Nepal. Geological Society Special Publication, 2019, 483, 305-323.	1.3	30
32	Transpressive Deformation in the Southern European Variscan Belt: New Insights From the Aiguilles Rouges Massif (Western Alps). Tectonics, 2020, 39, e2020TC006153.	2.8	30
33	The structural evolution of the Asinara Island (NW Sardinia, Italy). Geodinamica Acta, 2004, 17, 309-329.	2.2	29
34	Kinematic and geochronological constraints on shear deformation in the Ferriere-MolliÃ¨res shear zone (Argentera-Mercantour Massif, Western Alps): implications for the evolution of the Southern European Variscan Belt. International Journal of Earth Sciences, 2018, 107, 2163-2189.	1.8	29
35	Threeâ€dimensional vorticity and timeâ€constrained evolution of the Main Central Thrust zone, Garhwal Himalaya (NW India). Terra Nova, 2020, 32, 215-224.	2.1	28
36	Post collisional transpressive tectonics in northern Sardinia (Italy). Journal of the Virtual Explorer, 0, 19, .	0.0	26

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37	Late tectonic evolution of the Northern Apennines: the role of contractional tectonics in the exhumation of the tuscan units. Geodinamica Acta, 2004, 17, 253-273.	2.2	24
38	Dating protracted fault activities: microstructures, microchemistry and geochronology of the Vaikrita Thrust, Main Central Thrust zone, Garhwal Himalaya, NW India. Geological Society Special Publication, 2019, 481, 127-146.	1.3	23
39	A comparative U?Th?Pb (zircon?monazite) and40Ar?39Ar (muscovite?biotite) study of shear zones in northern Victoria Land (Antarctica): implications for geochronology and localized reworking of the Ross Orogen. Journal of Metamorphic Geology, 2007, 25, 605-630.	3.4	21
40	Timing and kinematics of flow in a transpressive dextral shear zone, Maures Massif (Southern France). International Journal of Earth Sciences, 2020, 109, 2261-2285.	1.8	21
41	Tectonic activity along the inner margin of the South Tibetan detachment constrained by syntectonic leucogranite emplacement in Western Bhutan. Italian Journal of Geosciences, 2017, 136, 5-14.	0.8	20
42	Implications of complex eigenvalues in homogeneous flow: A three-dimensional kinematic analysis. Journal of Structural Geology, 2010, 32, 93-106.	2.3	19
43	Biases in three-dimensional vorticity analysis using porphyroclast system: limits and application to natural examples. Geological Society Special Publication, 2011, 360, 301-318.	1.3	19
44	Kinematics and Timing Constraints in a Transpressive Tectonic Regime: The Example of the Posada-Asinara Shear Zone (NE Sardinia, Italy). Geosciences (Switzerland), 2020, 10, 288.	2.2	18
45	Deformation during exhumation of mediumâ€•and highâ€grade metamorphic rocks in the Variscan chain in northern Sardinia (Italy). Geological Journal, 2009, 44, 280-305.	1.3	17
46	Water quality and solute sources in the Marsyangdi River system of Higher Himalayan range (West-Central Nepal). Science of the Total Environment, 2019, 677, 580-589.	8.0	15
47	Structural evolution of the Tuscan Nappe in the southeastern sector of the Apuan Alps metamorphic dome (Northern Apennines, Italy). Geological Journal, 2005, 40, 103-119.	1.3	14
48	Fluid source and pressureâ€“temperature conditions of high-salinity fluids in syn-tectonic veins from the Northeastern Apuan Alps (Northern Apennines, Italy). Physics and Chemistry of the Earth, 2005, 30, 1005-1019.	2.9	14
49	Geology of the northwestern portion of the Ferriere-Mollieres Shear Zone, Argentera Massif, Italy. Journal of Maps, 2016, 12, 466-475.	2.0	14
50	Structural setting, kinematics and metamorphism in a km-scale shear zone in the Inner Nappes of Sardinia (Italy). Italian Journal of Geosciences, 2018, 137, 294-310.	0.8	13
51	The Main Central Thrust zone along the Alaknanda and Dhauli Ganga valleys (Garhwal Himalaya, NW) Tj ETQq1 1 0.784314 rgBT /Ove	1.4	12
52	Deformation and temperature variation along thrust-sense shear zones in the hinterland-foreland transition zone of collisional settings: A case study from the Barbagia Thrust (Sardinia, Italy). Journal of Structural Geology, 2022, 161, 104640.	2.3	12
53	Extensional tectonics in the higher Himalayan crystallines of Khumbu Himal, eastern Nepal. , 1999, , .		11
54	Unravelling the development of regional-scale shear zones by a multidisciplinary approach: The case study of the Ferriere-MolliÃ¨res Shear Zone (Argentera Massif, Western Alps). Journal of Structural Geology, 2021, 149, 104399.	2.3	11

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55	Structural setting of a transpressive shear zone: insights from geological mapping, quartz petrofabric and kinematic vorticity analysis in NE Sardinia (Italy). Geological Magazine, 2020, 157, 1898-1916.	1.5	10
56	Discovery of granulitized eclogite in North Sikkim expands the Eastern Himalaya high-pressure province. Himalayan Journal of Sciences, 2008, 5, 126-127.	0.3	9
57	Findings on water quality in Upper Mustang (Nepal) from a preliminary geochemical and geological survey. Environmental Earth Sciences, 2017, 76, 1.	2.7	9
58	Constraining the Timing of Evolution of Shear Zones in Two Collisional Orogens: Fusing Structural Geology and Geochronology. Geosciences (Switzerland), 2022, 12, 231.	2.2	9
59	Asymmetric fold development in the Variscan Nappes of central Sardinia (Italy). Comptes Rendus - Geoscience, 2004, 336, 939-949.	1.2	7
60	Mapping tectono-metamorphic discontinuities in orogenic belts: implications for mid-crust exhumation in NW Himalaya. Lithos, 2021, 392-393, 106129.	1.4	7
61	The structural evolution of the southern Apuan Alps: new constraints on the tectonic evolution of the Northern Apennines (Italy). Comptes Rendus - Geoscience, 2002, 334, 339-346.	1.2	6
62	Kinematics of the crust around the Ama Drime Massif (southern Tibet) â€“ Constraints from paleomagnetic results. Journal of Asian Earth Sciences, 2012, 58, 119-131.	2.3	6
63	Crustal strength control on structures and metamorphism in collisional orogens. Tectonophysics, 2018, 746, 470-492.	2.2	6
64	Multi-stage evolution of the South Tibetan Detachment System in central Himalaya: Insights from carbonate-bearing rocks. Journal of Structural Geology, 2022, 158, 104574.	2.3	6
65	A thermal event in the Dolpo region (Nepal): a consequence of the shift from orogen perpendicular to orogen parallel extension in central Himalaya?. Journal of the Geological Society, 2022, 179, .	2.1	5
66	Structural setting of the Yalaxiangbo dome, SE Tibet (China). Italian Journal of Geosciences, 2018, 137, 330-347.	0.8	4
67	Geology of the contact area between the Internal and External Nappe Zone of the Sardinian Variscan Belt (Italy): new insights on the complex polyphase deformation occurring in the hinterland-foreland transition zone of collisional belts. Journal of Maps, 2022, 18, 472-483.	2.0	4
68	Structural evolution of the Southern Sulcis metamorphic complex (SW Sardinia, Italy). Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ¨tes =, 1998, 326, 505-512.	0.2	2
69	Relations between folds and stretching lineations in the Verrucano of Pisani Mounts (northern) Tj ETQq1 1 0.784314 rgBT /Overlock 10 La Terre Et Des PlanÃ¨tes =, 1999, 328, 485-492.	0.2	2
70	Tectonic history of the Monti dellâ€™Uccellina range, Southern Tuscany, Italy. Bollettino Della SocietÃ Geologica Italiana, 2009, , 515-526.	2.0	2
71	The variscan basement in Sardinia. Geological Field Trips, 2015, 7, 1-118.	0.5	2
72	Geostructural and Geomechanical Study of the Piastrone Quarry (Seravezza, Italy) Supported by Photogrammetry to Assess Failure Mode. Geosciences (Switzerland), 2020, 10, 64.	2.2	2

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73	Deformation features of the Higher Himalayan Crystallines in Western Bhutan during exhumation. Himalayan Journal of Sciences, 2006, 2, 108.	0.3	1
74	Strain Softening in a Continental Shear Zone: A Field Guide to the Excursion in the Ferriere-MolliÃ¨res Shear Zone (Argentera Massif, Western Alps, Italy). Springer Geology, 2021, , 19-48.	0.3	1
75	Excursion in the Variscan Basement of Northern Sardinia (Italy): Field Guide. Journal of the Virtual Explorer, 0, 21, .	0.0	1
76	Kinematics of the crust in southern Tibet and Higher Himalayan Crystalline â€“a paleomagnetic approach. Himalayan Journal of Sciences, 2008, 5, 22-23.	0.3	0
77	Reply to discussion by Elter and Padovano of â€˜Deformation during exhumation of mediumâ€•and highâ€grade metamorphic rocks in the Variscan chain in northern Sardinia (Italy)â€™. Geological Journal, 2010, 45, 483-486.	1.3	0
78	Extension in a multilayer sequence along the Karakoram fault. Journal of Structural Geology, 2011, 33, 1045.	2.3	0
79	Introduction to â€œOrogenic Cycles: From Field Observations to Global Geodynamicsâ€• Tectonics, 2019, 38, 3-6.	2.8	0