

# Carosi Rodolfo

## List of Publications by Year in descending order

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79  
papers

2,621  
citations

159585

30  
h-index

197818

49  
g-index

85  
all docs

85  
docs citations

85  
times ranked

1230  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	Strain Softening in a Continental Shear Zone: A Field Guide to the Excursion in the Ferriere-Mollières Shear Zone (Argentera Massif, Western Alps, Italy). Springer Geology, 2021, , 19-48.	0.3	1
7	Mapping tectono-metamorphic discontinuities in orogenic belts: implications for mid-crust exhumation in NW Himalaya. Lithos, 2021, 392-393, 106129.	1.4	7
8	Unravelling the development of regional-scale shear zones by a multidisciplinary approach: The case study of the Ferriere-Mollières Shear Zone (Argentera Massif, Western Alps). Journal of Structural Geology, 2021, 149, 104399.	2.3	11
9	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
10	Transpressive Deformation in the Southern European Variscan Belt: New Insights From the Aiguilles Rouges Massif (Western Alps). Tectonics, 2020, 39, e2020TC006153.	2.8	30
11	The Main Central Thrust zone along the Alaknanda and Dhauliganga valleys (Garhwal Himalaya, NW India). Journal of Structural Geology, 2020, 144, 102314.	1.4	12
12	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
13	Three-dimensional vorticity and time-constrained evolution of the Main Central Thrust zone, Garhwal Himalaya (NW India). Terra Nova, 2020, 32, 215-224.	2.1	28
14	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
15	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
16	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
17	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
18	Introduction to Orogenic Cycles: From Field Observations to Global Geodynamics. Tectonics, 2019, 38, 3-6.	2.8	0

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19	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
20	Kinematic and geochronological constraints on shear deformation in the Ferriere-Mollières 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
21	Crustal strength control on structures and metamorphism in collisional orogens. Tectonophysics, 2018, 746, 470-492.	2.2	6
22	20 years of geological mapping of the metamorphic core across Central and Eastern Himalayas. Earth-Science Reviews, 2018, 177, 124-138.	9.1	95
23	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
24	Structural setting of the Yalaxiangbo dome, SE Tibet (China). Italian Journal of Geosciences, 2018, 137, 330-347.	0.8	4
25	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
26	Tectono-metamorphic evolution of the Tethyan Sedimentary Sequence (Himalayas, SE Tibet). Italian Journal of Geosciences, 2017, 136, 73-88.	0.8	31
27	Architecture of the Distal Piedmont-Ligurian Rifted Margin in NW Italy: Hints for a Flip of the Rift System Polarity. Tectonics, 2017, 36, 2388-2406.	2.8	35
28	Pressure-temperature-deformation-time Constraints on the South Tibetan Detachment System in the Garhwal Himalaya (NW India). Tectonics, 2017, 36, 2281-2304.	2.8	43
29	Findings on water quality in Upper Mustang (Nepal) from a preliminary geochemical and geological survey. Environmental Earth Sciences, 2017, 76, 1.	2.7	9
30	Geology and tectono-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
31	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
32	Geology of the northwestern portion of the Ferriere-Mollieres Shear Zone, Argentera Massif, Italy. Journal of Maps, 2016, 12, 466-475.	2.0	14
33	Tectonometamorphic discontinuities in the Greater Himalayan Sequence: a local or a regional feature?. Geological Society Special Publication, 2015, 412, 25-41.	1.3	77
34	Pressure-temperature-time-deformation path of kyanite-bearing migmatitic paragneiss in the Kali Gandaki valley (Central Nepal): Investigation of Late Eocene-early Oligocene melting processes. Lithos, 2015, 231, 103-121.	1.4	101
35	Tectonics of the Himalaya: an introduction. Geological Society Special Publication, 2015, 412, 1-3.	1.3	40
36	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

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37	The variscan basement in Sardinia. <i>Geological Field Trips</i> , 2015, 7, 1-118.	0.5	2
38	Tectonometamorphic discontinuities within the Greater Himalayan Sequence in Western Nepal (Central Himalaya): Insights on the exhumation of crystalline rocks. <i>Tectonophysics</i> , 2013, 608, 1349-1370.	2.2	150
39	Pressure-temperature and deformational evolution of high-pressure metapelites from Variscan NE Sardinia, Italy. <i>Lithos</i> , 2013, 175-176, 272-284.	1.4	37
40	Leucogranite intruding the South Tibetan Detachment in western Nepal: implications for exhumation models in the Himalayas. <i>Terra Nova</i> , 2013, 25, 478-489.	2.1	89
41	Kinematics of the crust around the Ama Drime Massif (southern Tibet) - Constraints from paleomagnetic results. <i>Journal of Asian Earth Sciences</i> , 2012, 58, 119-131.	2.3	6
42	Geochronological constraints on post-collisional shear zones in the Variscides of Sardinia (Italy). <i>Terra Nova</i> , 2012, 24, 42-51.	2.1	59
43	Miocene andalusite leucogranite in central-east Himalaya (Everest-Masang Kang area): Low-pressure melting during heating. <i>Lithos</i> , 2012, 144-145, 194-208.	1.4	66
44	Age and temperature constraints on metamorphism and exhumation of the syn-orogenic metamorphic complexes of Northern Apennines, Italy. <i>Tectonophysics</i> , 2011, 509, 254-271.	2.2	31
45	Extension in a multilayer sequence along the Karakoram fault. <i>Journal of Structural Geology</i> , 2011, 33, 1045.	2.3	0
46	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. <i>Remote Sensing of Environment</i> , 2011, 115, 1129-1144.	11.0	57
47	Metamorphic evolution of the Tethyan Himalayan flysch in SE Tibet. <i>Geological Society Special Publication</i> , 2011, 353, 45-69.	1.3	51
48	Biases in three-dimensional vorticity analysis using porphyroclast system: limits and application to natural examples. <i>Geological Society Special Publication</i> , 2011, 360, 301-318.	1.3	19
49	Implications of complex eigenvalues in homogeneous flow: A three-dimensional kinematic analysis. <i>Journal of Structural Geology</i> , 2010, 32, 93-106.	2.3	19
50	Reply to discussion by Elter and Padovano of "Deformation during exhumation of medium- and high-grade metamorphic rocks in the Variscan chain in northern Sardinia (Italy)". <i>Geological Journal</i> , 2010, 45, 483-486.	1.3	0
51	Late Oligocene high-temperature shear zones in the core of the Higher Himalayan Crystallines (Lower Tj ETQq1 1 0,784314 rgBT / Overl 135	2.8	135
52	Deformation during exhumation of medium- and high-grade metamorphic rocks in the Variscan chain in northern Sardinia (Italy). <i>Geological Journal</i> , 2009, 44, 280-305.	1.3	17
53	Kinematics and vorticity of flow associated with post-collisional oblique transpression in the Variscan Inner Zone of northern Sardinia (Italy). <i>Journal of Structural Geology</i> , 2009, 31, 1458-1471.	2.3	42
54	Tectonic history of the Monti dell'Uccellina range, Southern Tuscany, Italy. <i>Bollettino Della Societ� Geologica Italiana</i> , 2009, , 515-526.	2.0	2

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55	Strain analysis and vorticity of flow in the Northern Sardinian Variscan Belt: Recognition of a partitioned oblique deformation event. <i>Tectonophysics</i> , 2008, 446, 77-96.	2.2	52
56	Discovery of granulitized eclogite in North Sikkim expands the Eastern Himalaya high-pressure province. <i>Himalayan Journal of Sciences</i> , 2008, 5, 126-127.	0.3	9
57	Kinematics of the crust in southern Tibet and Higher Himalayan Crystalline – a paleomagnetic approach. <i>Himalayan Journal of Sciences</i> , 2008, 5, 22-23.	0.3	0
58	A structural transect in the Lower Dolpo: Insights on the tectonic evolution of Western Nepal. <i>Journal of Asian Earth Sciences</i> , 2007, 29, 407-423.	2.3	80
59	A comparative U?Th?Pb (zircon?monazite) and <sup>40</sup> Ar?sup>39Ar (muscovite?biotite) study of shear zones in northern Victoria Land (Antarctica): implications for geochronology and localized reworking of the Ross Orogen. <i>Journal of Metamorphic Geology</i> , 2007, 25, 605-630.	3.4	21
60	Fabric attractors in general triclinic flow systems and their application to high strain shear zones: A dynamical system approach. <i>Journal of Structural Geology</i> , 2007, 29, 298-317.	2.3	39
61	Deformation features of the Higher Himalayan Crystallines in Western Bhutan during exhumation. <i>Himalayan Journal of Sciences</i> , 2006, 2, 108.	0.3	1
62	Normal-sense shear zones in the core of the Higher Himalayan Crystallines (Bhutan Himalaya): evidence for extrusion?. <i>Geological Society Special Publication</i> , 2006, 268, 425-444.	1.3	47
63	Structural evolution of the Tuscan Nappe in the southeastern sector of the Apuan Alps metamorphic dome (Northern Apennines, Italy). <i>Geological Journal</i> , 2005, 40, 103-119.	1.3	14
64	Fluid source and pressure-temperature conditions of high-salinity fluids in syn-tectonic veins from the Northeastern Apuan Alps (Northern Apennines, Italy). <i>Physics and Chemistry of the Earth</i> , 2005, 30, 1005-1019.	2.9	14
65	Late tectonic evolution of the Northern Apennines: the role of contractional tectonics in the exhumation of the tuscan units. <i>Geodinamica Acta</i> , 2004, 17, 253-273.	2.2	24
66	The structural evolution of the Asinara Island (NW Sardinia, Italy). <i>Geodinamica Acta</i> , 2004, 17, 309-329.	2.2	29
67	Asymmetric fold development in the Variscan Nappes of central Sardinia (Italy). <i>Comptes Rendus - Geoscience</i> , 2004, 336, 939-949.	1.2	7
68	Orogen-parallel tectonic transport in the Variscan belt of northeastern Sardinia (Italy): implications for the exhumation of medium-pressure metamorphic rocks. <i>Geological Magazine</i> , 2002, 139, .	1.5	76
69	Transpressional deformation in northwestern Sardinia (Italy): insights on the tectonic evolution of the Variscan Belt. <i>Comptes Rendus - Geoscience</i> , 2002, 334, 287-294.	1.2	39
70	The structural evolution of the southern Apuan Alps: new constraints on the tectonic evolution of the Northern Apennines (Italy). <i>Comptes Rendus - Geoscience</i> , 2002, 334, 339-346.	1.2	6
71	Is there any detachment in the Lower Dolpo (western Nepal)?. <i>Comptes Rendus - Geoscience</i> , 2002, 334, 933-940.	1.2	32
72	Extensional tectonics in the higher Himalayan crystallines of Khumbu Himal, eastern Nepal. , 1999, , .		11

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73	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
74	Geology of the Higher Himalayan Crystallines in Khumbu Himal (Eastern Nepal). Journal of Asian Earth Sciences, 1999, 17, 785-803.	2.3	57
75	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
76	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
77	The hercynian chain in Sardinia (Italy). Geodinamica Acta, 1994, 7, 31-47.	2.2	167
78	Post collisional transpressive tectonics in northern Sardinia (Italy). Journal of the Virtual Explorer, 0, 19, .	0.0	26
79	Excursion in the Variscan Basement of Northern Sardinia (Italy): Field Guide. Journal of the Virtual Explorer, 0, 21, .	0.0	1