# Chiara Montomoli

List of Publications by Year
in descending order

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| 54 | 1,979 | 186265 | 243625 |
|---|---|---|---|
| papers | citations | 28 h-index | 44 g-index |

| 54 | 54 | 54 | 934 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Late Oligocene high-temperature shear zones in the core of the Higher Himalayan Crystallines (Lower) Tj ETQq0 0 0 rgBT /Overlock 10 T | 2.8 | 135 |
| 3 | 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 |
| 4 | 20 years of geological mapping of the metamorphic core across Central and Eastern Himalayas. Earth-Science Reviews, 2018, 177, 124-138. | 9.1 | 95 |
| 5 | 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 |
| 6 | 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 |
| 7 | Tectonometamorphic discontinuities in the Greater Himalayan Sequence: a local or a regional feature?. Geological Society Special Publication, 2015, 412, 25-41. | 1.3 | 77 |
| 8 | 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 |
| 9 | 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 |
| 10 | Geochronological constraints on postâ€collisional shear zones in the Variscides of Sardinia (Italy). Terra Nova, 2012, 24, 42-51. | 2.1 | 59 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Metamorphic evolution of the Tethyan Himalayan flysch in SE Tibet. Geological Society Special Publication, 2011, 353, 45-69. | 1.3 | 51 |
| 16 | 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 |
| 17 | Pressure fluctuation during uplift of the Northern Apennines (Italy): a fluid inclusions study. Tectonophysics, 2001, 341, 121-139. | 2.2 | 45 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Pressureâ€“temperature and deformational evolution of high-pressure metapelites from Variscan NE Sardinia, Italy. Lithos, 2013, 175-176, 272-284. | 1.4 | 37 |
| 21 | Is there any detachment in the Lower Dolpo (western Nepal)?. Comptes Rendus - Geoscience, 2002, 334, 933-940. | 1.2 | 32 |
| 22 | 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 |
| 23 | Tectono-metamorphic evolution of the Tethyan Sedimentary Sequence (Himalayas, SE Tibet). Italian Journal of Geosciences, 2017, 136, 73-88. | 0.8 | 31 |
| 24 | 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 |
| 25 | Transpressive Deformation in the Southern European Variscan Belt: New Insights From the Aiguilles Rouges Massif (Western Alps). Tectonics, 2020, 39, e2020TC006153. | 2.8 | 30 |
| 26 | The structural evolution of the Asinara Island (NW Sardinia, Italy). Geodinamica Acta, 2004, 17, 309-329. | 2.2 | 29 |
| 27 | Kinematic evolution of the eastern Tethyan Himalaya: constraints from magnetic fabric and structural properties of the Triassic flysch in SE Tibet. Geological Society Special Publication, 2011, 349, 99-121. | 1.3 | 29 |
| 28 | 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 |
| 29 | 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 |
| 30 | Post collisional transpressive tectonics in northern Sardinia (Italy). Journal of the Virtual Explorer, 0, 19, . | 0.0 | 26 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|---|---|---|---|
| 37 | 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 |
| 38 | 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 |
| 39 | Geology of the northwestern portion of the Ferriere-Mollieres Shear Zone, Argentera Massif, Italy. Journal of Maps, 2016, 12, 466-475. | 2.0 | 14 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |
| 46 | Mapping tectono-metamorphic discontinuities in orogenic belts: implications for mid-crust exhumation in NW Himalaya. Lithos, 2021, 392-393, 106129. | 1.4 | 7 |
| 47 | 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 |
| 48 | 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 |
| 49 | Underthrusting and exhumation of continent-derived units within orogenic wedge: an example from the Northern Apennines (Italy). Journal of Maps, 2020, 16, 638-650. | 2.0 | 5 |
| 50 | 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 |
| 51 | 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 |
| 52 | The variscan basement in Sardinia. Geological Field Trips, 2015, 7, 1-118. | 0.5 | 2 |
| 53 | Geology of the northern Convoy Range, Victoria Land, Antarctica. Journal of Maps, 2020, 16, 702-709. | 2.0 | 1 |
| 54 | 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 |