

Antonio Langone

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74
papers

1,207
citations

20
h-index

31
g-index

76
ext. papers

1,466
ext. citations

2.8
avg, IF

4.67
L-index

#	Paper	IF	Citations
74	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	3.1	120
73	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. <i>Lithos</i> , 2015 , 231, 103-121	2.9	77
72	The partitioning of trace elements between clinopyroxene and trachybasaltic melt during rapid cooling and crystal growth. <i>Contributions To Mineralogy and Petrology</i> , 2013 , 166, 1633-1654	3.5	58
71	High-Mg Andesite Petrogenesis by Amphibole Crystallization and Ultramafic Crust Assimilation: Evidence from Adamello Hornblendites (Central Alps, Italy). <i>Journal of Petrology</i> , 2011 , 52, 1011-1045	3.9	57
70	Middle to late Eocene exhumation of the Greater Himalayan Sequence in the Central Himalayas: Progressive accretion from the Indian plate. <i>Bulletin of the Geological Society of America</i> , 2016 , 128, 1571-1592	3.9	49
69	Eocene partial melting recorded in peritectic garnets from kyanite-gneiss, Greater Himalayan Sequence, central Nepal. <i>Geological Society Special Publication</i> , 2015 , 412, 111-129	1.7	47
68	Geochemistry of the apulian allochthonous karst bauxite, Southern Italy: Distribution of critical elements and constraints on Late Cretaceous Peri-Tethyan palaeogeography. <i>Ore Geology Reviews</i> , 2016 , 77, 246-259	3.2	41
67	On the Recycling of Amphibole-rich Ultramafic Intrusive Rocks in the Arc Crust: Evidence from Shikanoshima Island (Kyushu, Japan). <i>Journal of Petrology</i> , 2012 , 53, 1255-1285	3.9	37
66	Origin and age of zircon-bearing chromitite layers from the Finero phlogopite peridotite (Ivrea-Verbanò Zone, Western Alps) and geodynamic consequences. <i>Lithos</i> , 2016 , 262, 58-74	2.9	34
65	Pressure-Temperature-Deformation-Time Constraints on the South Tibetan Detachment System in the Garhwal Himalaya (NW India). <i>Tectonics</i> , 2017 , 36, 2281-2304	4.3	31
64	P-T path of the Hercynian low-pressure rocks from the Mandatoriccio complex (Sila Massif, Calabria, Italy): new insights for crustal evolution. <i>Journal of Metamorphic Geology</i> , 2010 , 28, 137-162	4.4	31
63	Preservation of old (prograde metamorphic) U-Th-Pb ages in unshielded monazite from the high-pressure paragneisses of the Variscan Ulten Zone (Italy). <i>Lithos</i> , 2011 , 127, 68-85	2.9	30
62	The Curinga-Girifalco fault zone (northern Serre, Calabria) and its significance within the Alpine tectonic evolution of the western Mediterranean. <i>Journal of Geodynamics</i> , 2006 , 42, 140-158	2.2	30
61	Multiple injections of magmas along a Hercynian mid-crustal shear zone (Sila Massif, Calabria, Italy). <i>Journal of Structural Geology</i> , 2008 , 30, 1202-1217	3	27
60	Time Constraints on the Building of the Serre Batholith: Consequences for the Thermal Evolution of the Hercynian Continental Crust Exposed in Calabria (Southern Italy). <i>Journal of Geology</i> , 2014 , 122, 183-199	2	25
59	U-Pb Ages, Pb-Os Isotope Ratios, and Platinum-Group Element (PGE) Composition of the West-Central Madagascar Flood Basalt Province. <i>Journal of Geology</i> , 2010 , 118, 523-541	2	24
58	Kinematic and geochronological constraints on shear deformation in the Ferriere-Mollières shear zone (Argentiera-Mercantour Massif, Western Alps): implications for the evolution of the Southern European Variscan Belt. <i>International Journal of Earth Sciences</i> , 2018 , 107, 2163-2189	2.2	22

57	Synchronous Periadriatic magmatism in the Western and Central Alps in the absence of slab breakoff. <i>Terra Nova</i> , 2019 , 31, 120-128	3	21
56	The transition between the two major Permian tectono-stratigraphic cycles in the central Southern Alps: results from facies analysis and U/Pb geochronology. <i>International Journal of Earth Sciences</i> , 2013 , 102, 1181-1202	2.2	21
55	First U ²³⁵ B ²³⁸ detrital zircon ages from Numidian sandstones in Southern Apennines (Italy): Evidences of African provenance. <i>Sedimentary Geology</i> , 2015 , 320, 19-29	2.8	20
54	Time and duration of Variscan high-temperature metamorphic processes in the south European Variscides: constraints from U-Pb chronology and trace element chemistry of zircon. <i>Mineralogy and Petrology</i> , 2011 , 103, 101-122	1.6	20
53	Hydrous melts weaken the mantle, crystallization of pargasite and phlogopite does not: Insights from a petrostructural study of the Finero peridotites, southern Alps. <i>Earth and Planetary Science Letters</i> , 2017 , 477, 59-72	5.3	19
52	U ²³⁵ B ²³⁸ geochronology and geochemistry of late Palaeozoic volcanism in Sardinia (southern Variscides). <i>Geoscience Frontiers</i> , 2017 , 8, 1263-1284	6	17
51	Dating of ultramafic rocks from the Western Alps ophiolites discloses Late Cretaceous subduction ages in the Zermatt-Saas Zone. <i>Geological Magazine</i> , 2018 , 155, 298-315	2	17
50	The role of trace element partitioning between garnet, zircon and orthopyroxene on the interpretation of zircon U ²³⁵ B ²³⁸ ages: an example from high-grade basement in Calabria (Southern Italy). <i>International Journal of Earth Sciences</i> , 2014 , 103, 487-507	2.2	16
49	A seismogenic zone in the deep crust indicated by pseudotachylytes and ultramylonites in granulite-facies rocks of Calabria (Southern Italy). <i>Contributions To Mineralogy and Petrology</i> , 2013 , 166, 975-994	3.5	16
48	Dike magmatism in the Sila Grande (Calabria, southern Italy): Evidence of Pennsylvanian/Early Permian exhumation 2010 , 6, 549-566		16
47	Time-space relationships among structural and metamorphic aureoles related to granite emplacement: a case study from the Serre Massif (southern Italy). <i>Geological Magazine</i> , 2013 , 150, 441-454	4.3	15
46	Geochronological study of zircons from continental crust rocks in the Frido Unit (southern Apennines). <i>International Journal of Earth Sciences</i> , 2015 , 104, 179-203	2.2	14
45	Zircon U-Pb Dating of a Lower Crustal Shear Zone: A Case Study From the Northern Sector of the Ivrea-Verbano Zone (Val Cannobina, Italy). <i>Tectonics</i> , 2018 , 37, 322-342	4.3	14
44	Clinopyroxene-melt element partitioning during interaction between trachybasaltic magma and siliceous crust: Clues from quartzite enclaves at Mt. Etna volcano. <i>Lithos</i> , 2017 , 284-285, 447-461	2.9	13
43	A new Eemian record of Antarctic tephra layers retrieved from the Talos Dome ice core (Northern Victoria Land). <i>Global and Planetary Change</i> , 2016 , 137, 69-78	4.2	13
42	Last glacial tephra layers in the Talos Dome ice core (peripheral East Antarctic Plateau), with implications for chronostratigraphic correlations and regional volcanic history. <i>Quaternary Science Reviews</i> , 2017 , 165, 111-126	3.9	12
41	Ductile/brittle deformation effects on crystal-chemistry and U ²³⁵ B ²³⁸ ages of magmatic and metasomatic zircons from a dyke of the Finero Mafic Complex (Ivrea/Verbano Zone, Italian Alps). <i>Lithos</i> , 2017 , 284-285, 493-511	2.9	12
40	Nature and age of pre-Variscan eclogite protoliths from the Low- to Medium-Grade Metamorphic Complex of north-central Sardinia (Italy) and comparisons with coeval Sardinian eclogites in the northern Gondwana context. <i>Journal of the Geological Society</i> , 2015 , 172, 792-807	2.7	12

39	Geochemistry of Eocene-Early Oligocene low-temperature crustal melts from Greater Himalayan Sequence (Nepal): a nanogranitoid perspective. <i>Contributions To Mineralogy and Petrology</i> , 2019 , 174, 1	3.5	10
38	Metasedimentary and igneous xenoliths from Tallante (Betic Cordillera, Spain): Inferences on crust-mantle interactions and clues for post-collisional volcanism magma sources. <i>Lithos</i> , 2015 , 220-223, 191-199	2.9	10
37	REE partition among zircon, orthopyroxene, amphibole and garnet in a high-grade metabasic system. <i>Geological Magazine</i> , 2018 , 155, 1705-1726	2	10
36	Multianalytical provenance analysis of Eastern Ross Sea LGM till sediments (Antarctica): Petrography, geochronology, and thermochronology detrital data. <i>Geochemistry, Geophysics, Geosystems</i> , 2017 , 18, 2275-2304	3.6	10
35	The Cotoncello Shear Zone (Elba Island, Italy): The deep root of a fossil oceanic detachment fault in the Ligurian ophiolites. <i>Lithos</i> , 2017 , 278-281, 445-463	2.9	9
34	Permo-Triassic thermal events in the lower Variscan continental crust section of the Northern Calabrian Arc, Southern Italy: Insights from petrological data and in situ U-Pb zircon geochronology on gabbros. <i>Lithos</i> , 2011 , 124, 291-307	2.9	9
33	Vorticity analysis of the Palmi shear zone mylonites: new insights for the Alpine tectonic evolution of the Calabria-Peloritani terrane (southern Italy). <i>Geological Journal</i> , 2016 , 51, 670-681	1.7	9
32	New geochemical and isotopic insights into the Late Antique Apulian glass and the HIMT1 and HIMT2 glass productions: the glass vessels from San Giusto (Foggia, Italy) and the diagrams for provenance studies. <i>Archaeological and Anthropological Sciences</i> , 2019 , 11, 141-170	1.8	9
31	Cambro-Silurian magmatism at the northern Gondwana margin (Penninic basement of the Ligurian Alps). <i>Geoscience Frontiers</i> , 2019 , 10, 315-330	6	9
30	The Main Central Thrust zone along the Alaknanda and Dhaulti Ganga valleys (Garhwal Himalaya, NW India): Insights into an inverted metamorphic sequence. <i>Lithos</i> , 2020 , 372-373, 105669	2.9	8
29	Occurrence of phlogopite in the Finero Mafic layered complex. <i>Open Geosciences</i> , 2014 , 6,	1.3	8
28	Detrital signatures of impending collision: The deep-water record of the Upper Cretaceous Bordighera Sandstone and its basal complex (Ligurian Alps, Italy). <i>Sedimentary Geology</i> , 2018 , 377, 147-161	2.8	8
27	Preliminary U-Pb Detrital Zircon Ages from Tufiti di Tusa Formation (Lucanian Apennines, Southern Italy): Evidence of Rupelian Volcaniclastic Supply. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 786	2.4	7
26	U-Pb detrital zircon ages from Gorgoglione Flysch sandstones in Southern Apennines (Italy) as provenance indicators. <i>Geological Magazine</i> , 2021 , 158, 859-874	2	7
25	Towards a Southern European Tethyan Palaeomargin provenance signature: sandstone detrital modes and detrital zircon U-Pb age distribution of the Upper Cretaceous-Paleocene Monte Bignone Sandstones (Ligurian Alps, NW Italy). <i>International Journal of Earth Sciences</i> , 2020 , 109, 201-220	2.2	6
24	Early Cretaceous Plume-Ridge Interaction Recorded in the Band-e-Zeyarat Ophiolite (North Makran, Iran): New Constraints from Petrological, Mineral Chemistry, and Geochronological Data. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 1100	2.4	4
23	Mantle-Derived Corundum-Bearing Felsic Dykes May Survive Only within the Lower (Refractory/Inert) Crust: Evidence from Zircon Geochemistry and Geochronology (Ivrea-Verbano Zone, Southern Alps, Italy). <i>Geosciences (Switzerland)</i> , 2020 , 10, 281	2.7	4
22	Kinematics and Timing Constraints in a Transpressive Tectonic Regime: The Example of the Posada-Asinara Shear Zone (NE Sardinia, Italy). <i>Geosciences (Switzerland)</i> , 2020 , 10, 288	2.7	4

21	Garnets from Val d'Aosta Rodingites, Piedmont, Italy: An Investigation of Their Gemological, Spectroscopic and Crystal Chemical Properties. <i>Minerals (Basel, Switzerland)</i> , 2019 , 9, 728	2.4	4
20	Porphyroclasts: Source and Sink of Major and Trace Elements During Deformation-Induced Metasomatism (Finero, Ivrea-Verbano Zone, Italy). <i>Geosciences (Switzerland)</i> , 2020 , 10, 196	2.7	3
19	High pressure melting of eclogites and metasomatism of garnet peridotites from Monte Duria Area (Central Alps, N Italy): A proxy for melt-rock reaction during subduction. <i>Lithos</i> , 2020 , 358-359, 105391	2.9	3
18	Crustal xenoliths from Tallante (Betic Cordillera, Spain): insights into the crust-mantle boundary. <i>Geological Magazine</i> , 2013 , 150, 952-958	2	3
17	From the upper to the lower continental crust exposed in Calabria. <i>Geological Field Trips</i> , 2013 , 5, 1-49	1.3	3
16	Structural setting of the Yalaxiangbo dome, SE Tibet (China). <i>Italian Journal of Geosciences</i> , 2018 , 137, 330-347	1.7	3
15	The Bajgan Complex revealed as a Cretaceous ophiolite-bearing subduction complex: A key to unravel the geodynamics of Makran (southeast Iran). <i>Journal of Asian Earth Sciences</i> , 2021 , 104965	2.8	3
14	What can high-P sheared orthogneisses tell us? An example from the Curinga-Cirifalco Line (Calabria, southern Italy). <i>Journal of Metamorphic Geology</i> , 2021 , 39, 919-944	4.4	3
13	News from the hellandite group: the redefinition of mottanaite and ciprianiite and the new mineral description of ferri-mottanaite-(Ce), the first Fe ³⁺ -dominant hellandite. <i>European Journal of Mineralogy</i> , 2019 , 31, 799-806	2.2	2
12	Geochemical and geochronological dataset of rutile from a Variscan metabasite in Sardinia, Italy. <i>Data in Brief</i> , 2020 , 31, 105925	1.2	2
11	Local variations of metamorphic record from compositionally heterogeneous rocks (Cima di Gagnone, Central Alps): Inferences on exhumation processes of (U)HP/T rocks. <i>Lithos</i> , 2021 , 390-391, 106126	2.9	2
10	Mapping tectono-metamorphic discontinuities in orogenic belts: implications for mid-crust exhumation in NW Himalaya. <i>Lithos</i> , 2021 , 392-393, 106129	2.9	2
9	Clinopyroxene chemistry in Tertiary alkaline volcanic rocks from Taleghan, central Alborz, Iran: Implications for two parental melts. <i>Chemie Der Erde</i> , 2013 , 73, 565-568	4.3	1
8	The influence of oxygen fugacity and chlorine on amphibole-liquid trace element partitioning at upper-mantle conditions. <i>European Journal of Mineralogy</i> , 2022 , 34, 35-57	2.2	1
7	Microstructure and Geochemistry of Magmatic Dykes from the Arabian Margin, Red Sea 2019 , 437-471		1
6	Role of the Down-Bending Plate as a Detrital Source in Convergent Systems Revealed by U-Pb Dating of Zircon Grains: Insights from the Southern Andes and Western Italian Alps. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 632	2.4	1
5	New geochemical and Sr-Nd isotopic data on medieval plant ash-based glass: The glass collection from San Lorenzo in Carmignano (12th-14th centuries AD, Italy). <i>Microchemical Journal</i> , 2021 , 168, 106371	4.8	1
4	Crystal Chemistry of Barian Titanian Phlogopite from a Lamprophyre of the Gargano Promontory (Apulia, Southern Italy). <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 766	2.4	0

- 3 Gem-Quality Tourmaline from LCT Pegmatite in Adamello Massif, Central Southern Alps, Italy: An Investigation of Its Mineralogy, Crystallography and 3D Inclusions. *Minerals (Basel, Switzerland)*, **2018**, 8, 593 2.4 0
- 2 The spessartine–mandine garnet from Val Codera pegmatite, Central Alps, Italy: a new insight on the crystallochemistry and a 3D image analysis of its inclusions. *Rendiconti Lincei*, **2018**, 29, 699-707 1.7
- 1 Role of inherited compositional and structural heterogeneity in shear zone development at mid-low levels of the continental crust (the Anzola shear zone; Ivrea-Verbano Zone, Southern Alps). *Lithos*, **2022**, 422-423, 106745 2.9