Bernardo Cesare

List of Publications by Year
in descending order

75 papers	3,802 citations	117453 34 h-index	128067 60 g-index
87 all docs	87 docs citations	87 times ranked	2000 citing authors

#	Article	IF	Citations
1	Peritectic minerals record partial melting of the deeply subducted continental crust in the Sulu orogen. Journal of Metamorphic Geology, 2022, 40, 87-120.	1.6	8
2	Deep subduction, melting, and fast cooling of metapelites from the Cima Lunga Unit, Central Alps. Journal of Metamorphic Geology, 2022, 40, 121-143.	1.6	5
3	NanoscaleÂSecondary Ion Mass Spectrometry determination of the water content of staurolite. Rapid Communications in Mass Spectrometry, 2022, 36, .	0.7	3
4	Anatectic melt inclusions in ultra high temperature granulites. Journal of Metamorphic Geology, 2021, 39, 321-342.	1.6	16
5	Mineral inclusions are not immutable: Evidence of post-entrapment thermally-induced shape change of quartz in garnet. Earth and Planetary Science Letters, 2021, 555, 116708.	1.8	20
6	Metasomatism-induced wehrlite formation in the upper mantle beneath the NÃ³grÃ¡d-GÃ¶mÃ¶r Volcanic Field (Northern Pannonian Basin): Evidence from xenoliths. Geoscience Frontiers, 2020, 11, 943-964.	4.3	17
7	Melt inclusions at MT. Edixon (Antarctica): Chemistry, petrology and implications for the evolution of the Lanterman range. Lithos, 2020, 374-375, 105685.	0.6	5
8	Nanorocks: a 10-year-old story. Rendiconti Lincei, 2020, 31, 249-257.	1.0	11
9	Primary CO2-bearing fluid inclusions in granulitic garnet usually do not survive. Earth and Planetary Science Letters, 2020, 536, 116170.	1.8	28
10	Multiphase inclusions in peritectic garnet from granulites of the Athabasca granulite terrane (Canada): Evidence of carbon recycling during Neoarchean crustal melting. Chemical Geology, 2019, 508, 197-209.	1.4	25
11	Partial melting and strain localization in metapelites at very low-pressure conditions: The northern Apennines magmatic arc on the Island of Elba, Italy. Lithos, 2019, 350-351, 105230.	0.6	11
12	Geochemistry of Eocene-Early Oligocene low-temperature crustal melts from Greater Himalayan Sequence (Nepal): a nanogranitoid perspective. Contributions To Mineralogy and Petrology, 2019, 174, 1.	1.2	19
13	Anatexis and fluid regime of the deep continental crust: New clues from melt and fluid inclusions in metapelitic migmatites from Ivrea Zone (<scp>NW</scp> Italy). Journal of Metamorphic Geology, 2019, 37, 951-975.	1.6	39
14	Partial melting of ultramafic granulites from Dronning Maud Land, Antarctica: Constraints from melt inclusions and thermodynamic modeling. American Mineralogist, 2018, 103, 610-622.	0.9	20
15	Three-dimensional distribution of primary melt inclusions in garnets by X-ray microtomography. American Mineralogist, 2018, 103, 911-926.	0.9	0
16	Three-dimensional distribution of primary melt inclusions in garnets by X-ray microtomography. American Mineralogist, 2018, 103, 911-926.	0.9	10
17	Primary crustal melt compositions: Insights into the controls, mechanisms and timing of generation from kinetics experiments and melt inclusions. Lithos, 2017, 286-287, 454-479.	0.6	29
18	Using nanogranitoids and phase equilibria modeling to unravel anatexis in the crustal footwall of the Ronda peridotites (Betic Cordillera, S Spain). Lithos, 2016, 256-257, 282-299.	0.6	28

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19	Granitoid magmas preserved as melt inclusions in high-grade metamorphic rock. American Mineralogist, 2016, 101, 1543-1559.	0.9	84
20	Effect of partial melting on Vp and Vs in crustal enclaves from MazarrÃ³n (SE Spain). Tectonophysics, 2016, 671, 139-150.	0.9	6
21	The composition of nanogranitoids in migmatites overlying the Ronda peridotites (Betic Cordillera, S) Tj ETQq1 1 0.784314 rgBT /Ove Petrology, 2016, 171, 1.	1.2	43
22	Unravelling the complex interaction between mantle and crustal magmas encoded in the lavas of San Vincenzo (Tuscany, Italy). Part II: Geochemical overview and modelling. Lithos, 2016, 244, 233-249.	0.6	6
23	Unravelling the complex interaction between mantle and crustal magmas encoded in the lavas of San Vincenzo (Tuscany, Italy). Part I: Petrography and Thermobarometry. Lithos, 2016, 244, 218-232.	0.6	12
24	Epitaxial nucleation of garnet on biotite in the polymetamorphic metapelites surrounding the Vedrette di Ries intrusion (Italian Eastern Alps). European Journal of Mineralogy, 2015, 27, 5-18.	0.4	6
25	Eocene partial melting recorded in peritectic garnets from kyanite-gneiss, Greater Himalayan Sequence, central Nepal. Geological Society Special Publication, 2015, 412, 111-129.	0.8	59
26	What can we learn from melt inclusions in migmatites and granulites?. Lithos, 2015, 239, 186-216.	0.6	111
27	Production of metaluminous melt during fluidâ€present anatexis: an example from the Maghrebian basement, La Galite Archipelago, central Mediterranean. Journal of Metamorphic Geology, 2014, 32, 209-225.	1.6	37
28	Age of anatexis in the crustal footwall of the Ronda peridotites, S Spain. Lithos, 2014, 210-211, 147-167.	0.6	43
29	Microstructures and petrology of melt inclusions in the anatectic sequence of Jubrique (Betic) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.6	37
30	The H2O content of granite embryos. Earth and Planetary Science Letters, 2014, 395, 281-290.	1.8	64
31	Electrical conductivity in a partially molten crust from measurements on metasedimentary enclaves. Tectonophysics, 2013, 586, 84-94.	0.9	11
32	Recovering the composition of melt and the fluid regime at the onset of crustal anatexis and S-type granite formation. Geology, 2013, 41, 115-118.	2.0	84
33	Phase equilibria constraints on melting of stromatic migmatites from <scp>R</scp>onda (S.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2013, 31, 775-789.	1.6	39
34	Nanogranite inclusions in migmatitic garnet: behavior during pistonâ€cylinder remelting experiments. Geofluids, 2013, 13, 405-420.	0.3	54
35	The Extent of Equilibration between Melt and Residuum during Regional Anatexis and its Implications for Differentiation of the Continental Crust: a Study of Partially Melted Metapelitic Enclaves. Journal of Petrology, 2012, 53, 1319-1356.	1.1	47
36	Microstructures of melt inclusions in anatectic metasedimentary rocks. Journal of Metamorphic Geology, 2012, 30, 303-322.	1.6	108

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37	When the Continental Crust Melts. Elements, 2011, 7, 229-234.	0.5	287
38	Melted Rocks under the Microscope: Microstructures and Their Interpretation. Elements, 2011, 7, 247-252.	0.5	162
39	Re-equilibration of primary fluid inclusions in peritectic garnet from metapelitic enclaves, El Hoyazo, Spain. Lithos, 2011, 124, 117-131.	0.6	32
40	Carbon isotope anatomy of a single graphite crystal in a metapelitic migmatite revealed by high-spatial resolution SIMS analysis. Contributions To Mineralogy and Petrology, 2011, 162, 821-834.	1.2	19
41	Beauty and complexity of metamorphism: case studies from the frontal part of the Adria microplate. Rendiconti Lincei, 2010, 21, 73-94.	1.0	5
42	The crystalline basement of the Adria microplate in the eastern Alps: a review of the palaeostructural evolution from the Neoproterozoic to the Cenozoic. Rendiconti Lincei, 2010, 21, 31-50.	1.0	27
43	Mechanisms of Crustal Anatexis: a Geochemical Study of Partially Melted Metapelitic Enclaves and Host Dacite, SE Spain. Journal of Petrology, 2010, 51, 785-821.	1.1	136
44	Closure temperatures of intracrystalline ordering in anatectic and metamorphic hercynite, Fe2+Al2O4. American Mineralogist, 2009, 94, 657-665.	0.9	13
45	FTIR microspectroscopy and SIMS study of water-poor cordierite from El Hoyazo, Spain: Application to mineral and melt devolatilization. Lithos, 2009, 113, 498-506.	0.6	32
46	Do extrusion ages reflect magma generation processes at depth? An example from the Neogene Volcanic Province of SE Spain. Contributions To Mineralogy and Petrology, 2009, 157, 267-279.	1.2	32
47	A thermodynamic model for titanium and ferric iron solution in biotite. Journal of Metamorphic Geology, 2009, 27, 153-165.	1.6	296
48	â€œNanograniteâ€•and glassy inclusions: The anatectic melt in migmatites and granulites. Geology, 2009, 37, 627-630.	2.0	186
49	Armouring effect on Sr-Nd isotopes during disequilibrium crustal melting: the case study of frozen migmatites from El Hoyazo and Mazarron, SE Spain. European Journal of Mineralogy, 2009, 21, 117-131.	0.4	23
50	Mineral chemistry of Ti-rich biotite from pegmatite and metapelitic granulites of the Kerala Khondalite Belt (southeast India): Petrology and further insight into titanium substitutions. American Mineralogist, 2008, 93, 327-338.	0.9	46
51	Seismic properties of lower crustal xenoliths from El Hoyazo (SE Spain): Experimental evidence up to partial melting. Earth and Planetary Science Letters, 2007, 253, 239-253.	1.8	28
52	Immiscibility between carbonic fluids and granitic melts during crustal anatexis: A fluid and melt inclusion study in the enclaves of the Neogene Volcanic Province of SE Spain. Chemical Geology, 2007, 237, 433-449.	1.4	58
53	Microstructures and composition of melt inclusions in a crustal anatectic environment, represented by metapelitic enclaves within El Hoyazo dacites, SE Spain. Chemical Geology, 2007, 237, 450-465.	1.4	69
54	Formation of spinel-cordierite-feldspar-glass coronas after garnet in metapelitic xenoliths: reaction modelling and geodynamic implications. Journal of Metamorphic Geology, 2007, 25, 305-320.	1.6	49

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55	Formation of elliptical garnet in a metapelitic enclave by melt-assisted dissolution and reprecipitation. Journal of Metamorphic Geology, 2005, 23, 65-74.	1.6	30
56	Fe3+ reduction during biotite melting in graphitic metapelites: another origin of CO2 in granulites. Contributions To Mineralogy and Petrology, 2005, 149, 129-140.	1.2	59
57	Occurrence and Origin of Andalusite in Peraluminous Felsic Igneous Rocks. Journal of Petrology, 2005, 46, 441-472.	1.1	89
58	Residence time of S-type anatectic magmas beneath the Neogene Volcanic Province of SE Spain: a zircon and monazite SHRIMP study. Contributions To Mineralogy and Petrology, 2003, 146, 28-43.	1.2	48
59	Primary melt inclusions in andalusite from anatectic graphitic metapelites: Implications for the position of the Al2SiO5 triple point. Geology, 2003, 31, 573.	2.0	73
60	Hydrogen deficiency in Ti-rich biotite from anatectic metapelites (El Joyazo, SE Spain): Crystal-chemical aspects and implications for high-temperature petrogenesis. American Mineralogist, 2003, 88, 583-595.	0.9	79
61	Andalusite-sillimanite replacement (MazarrÃ³n, SE Spain): A microstructural and TEM study. American Mineralogist, 2002, 87, 433-444.	0.9	39
62	Evidence for Late Carboniferous subduction-type magmatism in mafic-ultramafic cumulates of the SW Tauern window (Eastern Alps). Contributions To Mineralogy and Petrology, 2002, 142, 449-464.	1.2	35
63	Growth of myrmekite coronas by contact metamorphism of granitic mylonites in the aureole of Cima di Vila, Eastern Alps, Italy. Journal of Metamorphic Geology, 2002, 20, 203-213.	1.6	34
64	Alpine metamorphism and veining in the Zentralgneis Complex of the SW Tauern Window: a model of fluidâ€“rock interactions based on fluid inclusions. Tectonophysics, 2001, 336, 121-136.	0.9	20
65	Incongruent melting of biotite to spinel in a quartz-free restite at El Joyazo (SE Spain): Textures and reaction characterization. Contributions To Mineralogy and Petrology, 2000, 139, 273-284.	1.2	73
66	Multi-stage pseudomorphic replacement of garnet during polymetamorphism: 1. Microstructures and their interpretation. Journal of Metamorphic Geology, 1999, 17, 723-734.	1.6	20
67	Multi-stage pseudomorphic replacement of garnet during polymetamorphism: 2. Algebraic analysis of mineral assemblages. Journal of Metamorphic Geology, 1999, 17, 735-746.	1.6	15
68	Fluid-present anatexis of metapelites at El Joyazo (SE Spain): constraints from Raman spectroscopy of graphite. Contributions To Mineralogy and Petrology, 1999, 135, 41-52.	1.2	85
69	Ductile-brittle transition in pre-Alpine amphibolite facies mylonites during evolution from water-present to water-deficient conditions (Mont Mary nappe, Italian Western Alps). Journal of Metamorphic Geology, 1997, 15, 777-791.	1.6	69
70	Andalusiteâ€bearing veins at Vedrette di Ries (eastern Alps, Italy): fluid phase composition based on fluid inclusions. Journal of Metamorphic Geology, 1995, 13, 687-700.	1.6	5
71	Epitaxial replacement of kyanite by staurolite; a TEM study of the microstructures. American Mineralogist, 1995, 80, 78-86.	0.9	5
72	Hercynite as the product of staurolite decomposition in the contact aureole of Vedrette di Ries, eastern Alps, Italy. Contributions To Mineralogy and Petrology, 1994, 116, 239-246.	1.2	27

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73	Synmetamorphic veining: origin of andalusite-bearing veins in the Vedrette di Ries contact aureole, Eastern Alps, Italy. Journal of Metamorphic Geology, 1994, 12, 643-653.	1.6	40
74	C-O-H-S fluid composition and oxygen fugacity in graphitic metapelites. Journal of Metamorphic Geology, 1993, 11, 379-388.	1.6	267
75	Melt inclusions in migmatites and granulites. Journal of the Virtual Explorer, 0, 38, .	0.0	43