Simona Ferrando

List of Publications by Year
in descending order

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Version: 2024-02-01

45 papers	1,225 citations	304743 22 h-index	377865 34 g-index
47 all docs	47 docs citations	47 times ranked	1178 citing authors

#	Article	IF	Citations
1	Multiphase solid inclusions in UHP rocks (Su-Lu, China): Remnants of supercritical silicate-rich aqueous fluids released during continental subduction. Chemical Geology, 2005, 223, 68-81.	3.3	141
2	The chemical behavior of fluids released during deep subduction based on fluid inclusions. American Mineralogist, 2015, 100, 352-377.	1.9	113
3	Metasomatism of continental crust during subduction: the UHP whiteschists from the Southern Doraâ€Maira Massif (Italian Western Alps). Journal of Metamorphic Geology, 2009, 27, 739-756.	3.4	79
4	Chlorine-rich metasomatic H2Oâ€“CO2 fluids in amphibole-bearing peridotites from Injibara (Lake Tana) Tj ETQq0 0 0 rgBT /Overlock 10 flood basalts. Geochimica Et Cosmochimica Acta, 2010, 74, 3023-3039.	3.9	68
5	Intermediate Alkali-Alumino-silicate Aqueous Solutions Released by Deeply Subducted Continental Crust: Fluid Evolution in UHP OH-rich Topaz-Kyanite Quartzites from Donghai (Sulu, China). Journal of Petrology, 2007, 48, 1219-1241.	2.8	62
6	Water content and nature of solutes in shallow-mantle fluids from fluid inclusions. Earth and Planetary Science Letters, 2012, 351-352, 70-83.	4.4	50
7	Carboniferous high-pressure metamorphism of Ordovician protoliths in the Argentera Massif (Italy), Southern European Variscan belt. Lithos, 2010, 116, 65-76.	1.4	40
8	Did Late Miocene (Messinian) gypsum precipitate from evaporated marine brines? Insights from the Piedmont Basin (Italy). Geology, 2014, 42, 179-182.	4.4	38
9	Fragments of the Western Alpine Chain as Historic Ornamental Stones in Turin (Italy): Enhancement of Urban Geological Heritage through Geotourism. Geoheritage, 2014, 6, 41-55.	2.8	38
10	Are the large filamentous microfossils preserved in Messinian gypsum colorless sulfide-oxidizing bacteria?. Geology, 2015, 43, 855-858.	4.4	36
11	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
12	Late-Alpine rodingitization in the Bellecombe meta-ophiolites (Aosta Valley, Italian Western Alps): evidence from mineral assemblages and serpentinization-derived H₂-bearing brine. International Geology Review, 2010, 52, 1220-1243.	2.1	34
13	Composition and thermal structure of the lithosphere beneath the Ethiopian plateau: evidence from mantle xenoliths in basanites, Injibara, Lake Tana Province. Mineralogy and Petrology, 2008, 93, 47-78.	1.1	33
14	Dissolving dolomite in a stable UHP mineral assemblage: Evidence from Cal-Dol marbles of the Dora-Maira Massif (Italian Western Alps). American Mineralogist, 2017, 102, 42-60.	1.9	33
15	Whatâ€™s in the sandwich? New Pâ€“T constraints for the (U)HP nappe stack of southern Dora-Maira Massif (Western Alps). European Journal of Mineralogy, 2019, 31, 665-683.	1.3	33
16	Flocculent layers and bacterial mats in the mudstone interbeds of the Primary Lower Gypsum unit (Tertiary Piedmont basin, NW Italy): Archives of palaeoenvironmental changes during the Messinian salinity crisis. Marine Geology, 2014, 355, 71-87.	2.1	31
17	Fluid-Rock Interaction in UHP Phengite-Kyanite-Epidote Eclogite from the Sulu Orogen, Eastern China. International Geology Review, 2005, 47, 750-774.	2.1	30
18	Metamorphic history of HP mafic granulites from the Gesso-Stura Terrain (Argentera Massif, Western) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.3	30

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19	X-ray single-crystal structure refinement of an OH-rich topaz from Sulu UHP terrane (Eastern China) Structural foundation of the correlation between cell parameters and fluorine content. European Journal of Mineralogy, 2003, 15, 875-881.	1.3	28
20	Partial melting due to breakdown of an epidoteâ€group mineral during exhumation of ultrahighâ€pressure eclogite: An example from the Northâ€East Greenland Caledonides. Journal of Metamorphic Geology, 2019, 37, 15-39.	3.4	26
21	Mgâ€metasomatism of metagranitoids from the Alps: genesis and possible tectonic scenarios. Terra Nova, 2012, 24, 423-436.	2.1	23
22	Tectonoâ€thermal Evolution of a Distal Rifted Margin: Constraints From the Calizzano Massif (PrepiedmontâBrianÃ§onnais Domain, Ligurian Alps). Tectonics, 2017, 36, 3209-3228.	2.8	22
23	Active carbon sequestration in the Alpine mantle wedge and implications for long-term climate trends. Scientific Reports, 2018, 8, 4740.	3.3	21
24	Lithospheric magma dynamics beneath the El Hierro Volcano, Canary Islands: insights from fluid inclusions. Bulletin of Volcanology, 2017, 79, 1.	3.0	20
25	Gradual and selective trace-element enrichment in slab-released fluids at sub-arc depths. Scientific Reports, 2019, 9, 16393.	3.3	17
26	A calibrated database of Raman spectra for natural silicate glasses: implications for modelling melt physical properties. Journal of Raman Spectroscopy, 2020, 51, 1822-1838.	2.5	16
27	Thermodynamic analysis of HP-UHP fluid inclusions: The solute load and chemistry of metamorphic fluids. Geochimica Et Cosmochimica Acta, 2021, 315, 207-229.	3.9	13
28	Tiny, glassy, and rapidly trapped: The nano-sized planktic diatoms in Messinian (late Miocene) gypsum. Geology, 2021, 49, 1369-1374.	4.4	12
29	Fluid evolution from metamorphic peak to exhumation in Himalayan granulitised eclogites, Ama Drime range, southern Tibet. European Journal of Mineralogy, 2007, 19, 439-461.	1.3	10
30	Potential Fossilized Sulfide-Oxidizing Bacteria in the Upper Miocene Sulfur-Bearing Limestones From the Lorca Basin (SE Spain): Paleoenvironmental Implications. Frontiers in Microbiology, 2019, 10, 1031.	3.5	10
31	Paleo-European crust of the Italian Western Alps: Geological history of the Argentera Massif and comparison with Mont Blanc-Aiguilles Rouges and Maures-Tanneron Massifs. Journal of the Virtual Explorer, 0, 36, .	0.0	10
32	The Monviso Massif and the Cottian Alps as Symbols of the Alpine Chain and Geological Heritage in Piemonte, Italy. Geoheritage, 2015, 7, 65-84.	2.8	9
33	Morphological and chemical properties of fibrous antigorite from lateritic deposit of New Caledonia in view of hazard assessment. Science of the Total Environment, 2021, 777, 146185.	8.0	9
34	Crust-mantle interactions during subduction of oceanic & continental crust. Geological Field Trips, 2014, 6, 1-73.	0.5	8
35	Interlaboratory Application of Raman CO2 Densimeter Equations: Experimental Procedure and Statistical Analysis Using Bootstrapped Confidence Intervals. Applied Spectroscopy, 2021, 75, 000370282098760.	2.2	7
36	Stone materials used for monumental buildings in the historical centre of Turin (NW Italy): architectonical survey and petrographic characterization of Via Roma. Geological Society Special Publication, 2015, 407, 201-218.	1.3	6

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37	The Role of Halogens in the Lithospheric Mantle. Springer Geochemistry, 2018, , 805-845.	0.1	6
38	Evidence of large-scale Mesozoic detachments preserved in the basement of the Southern Alps (northern Lago di Como area). Italian Journal of Geosciences, 2018, 137, 283-293.	0.8	5
39	Plio-Quaternary continental deposits of the Castellamonte area, between Orco and Dora Baltea Basins (Torino Province, Italy). Quaternary International, 2008, 190, 103-111.	1.5	4
40	The Stone Bridges on the Po River at Turin (NW Italy): A Scientific Dissemination Approach for the Development of Urban Geological Heritage. , 2015, , 207-211.		4
41	An explosive component in a December 2020 Milan earthquake suggests outgassing of deeply recycled carbon. Communications Earth & Environment, 2022, 3, .	6.8	4
42	A possible new UHP unit in the Western Alps as revealed by ancient Roman quern-stones from Costigliole Saluzzo, Italy. European Journal of Mineralogy, 2016, 28, 1215-1232.	1.3	3
43	Synâ€rift hydrothermal circulation in the Mesozoic carbonates of the western Adriatic continental palaeomargin (Western Southalpine Domain, NW Italy). Basin Research, 2021, 33, 3045-3076.	2.7	3
44	The Monviso Ophiolite Geopark, a Symbol of the Alpine Chain and Geological Heritage in Piemonte, Italy. , 2015, , 239-243.		2
45	IT applications for sharing geoheritage information: the example of the geological and geomorphological trail in the Monviso massif (NW Italy). Rendiconti Online Societa Geologica Italiana, 0, 34, 85-88.	0.3	1