

Franco Rolfo

List of Publications by Year in descending order

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61
papers

2,034
citations

257450

24
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243625

44
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all docs

63
docs citations

63
times ranked

1276
citing authors

#	ARTICLE	IF	CITATIONS
1	Partial Melting in the Higher Himalayan Crystallines of Eastern Nepal: the Effect of Decompression and Implications for the "Channel Flow" Model. <i>Journal of Petrology</i> , 2012, 53, 1057-1088.	2.8	156
2	Clockwise exhumation path of granulitized eclogites from the Ama Drime range (Eastern Himalayas). <i>Journal of Metamorphic Geology</i> , 2007, 25, 51-75.	3.4	155
3	Two contrasting eclogite types in the Himalayas: implications for the Himalayan orogeny. <i>Journal of Geodynamics</i> , 2000, 30, 37-60.	1.6	136
4	New finding of micro-diamonds in eclogites from Dabie-Sulu region in central-eastern China. <i>Science Bulletin</i> , 2003, 48, 988-994.	1.7	104
5	Early Oligocene partial melting in the Main Central Thrust Zone (Arun valley, eastern Nepal Himalaya). <i>Lithos</i> , 2010, 118, 287-301.	1.4	104
6	Metamorphic veins with kyanite, zoisite and quartz in the Zhu-Jia-Chong eclogite, Dabie Shan, China. <i>Island Arc</i> , 1998, 7, 159-173.	1.1	101
7	Impure marbles from the UHP Brossasco-Isasca Unit (Dora-Maira Massif, western Alps): evidence for Alpine equilibration in the diamond stability field and evaluation of the X(CO ₂) fluid evolution. <i>Journal of Metamorphic Geology</i> , 2007, 25, 587-603.	3.4	97
8	P-T Evolution across the Main Central Thrust Zone (Eastern Nepal): Hidden Discontinuities Revealed by Petrology. <i>Journal of Petrology</i> , 2009, 50, 1149-1180.	2.8	83
9	Ultrahigh-pressure metamorphism and multistage exhumation of eclogite of the Luotian dome, North Dabie Complex Zone (central China): Evidence from mineral inclusions and decompression textures. <i>Journal of Asian Earth Sciences</i> , 2011, 42, 607-617.	2.3	70
10	The cordierite-bearing anatectic rocks of the higher Himalayan crystallines (eastern Nepal): low-pressure anatexis, melt productivity, melt loss and the preservation of cordierite. <i>Journal of Metamorphic Geology</i> , 2013, 31, 187-204.	3.4	66
11	Geochronological and petrological constraints on Palaeoproterozoic granulite facies metamorphism in southeastern margin of the North China Craton. <i>Journal of Metamorphic Geology</i> , 2009, 27, 125-138.	3.4	59
12	Jadeitite from the Monviso meta-ophiolite, western Alps: occurrence and genesis. <i>European Journal of Mineralogy</i> , 2012, 24, 333-343.	1.3	50
13	P-T evolution of elusive UHP eclogites from the Luotian dome (North Dabie Zone, China): How far can the thermodynamic modeling lead us?. <i>Lithos</i> , 2015, 226, 183-200.	1.4	50
14	A coherent lithostratigraphic unit in the coesite-eclogite complex of Dabie Shan, China: geologic and petrologic evidence. <i>Lithos</i> , 2004, 73, 71-94.	1.4	47
15	Evolution of the Sardinia Channel (Western Mediterranean): new constraints from a diving survey on Cornacya seamount off SE Sardinia. <i>Marine Geology</i> , 2001, 179, 179-201.	2.1	45
16	UHPM units in the Western Alps. , 0, , 13-49.		43
17	Petrology of blueschist from the Western Himalaya (Ladakh, NW India): Exploring the complex behavior of a lawsonite-bearing system in a paleo-accretionary setting. <i>Lithos</i> , 2016, 252-253, 41-56.	1.4	40
18	Composition and geochronology of the deep-seated xenoliths from the southeastern margin of the North China Craton. <i>Gondwana Research</i> , 2013, 23, 1021-1039.	6.0	38

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19	First report of felsic whiteschist in the ultrahigh-pressure metamorphic belt of Dabie Shan, China. <i>European Journal of Mineralogy</i> , 2000, 12, 883-898.	1.3	37
20	Metamorphic CO ₂ Production in Collisional Orogens: Petrological Constraints from Phase Diagram Modeling of Himalayan, Scapolite-bearing, Calc-silicate Rocks in the NKC(F)MAS(T)-HC system. <i>Journal of Petrology</i> , 2017, 58, 53-83.	2.8	37
21	Persistent CO ₂ emissions and hydrothermal unrest following the 2015 earthquake in Nepal. <i>Nature Communications</i> , 2018, 9, 2956.	12.8	36
22	Metamorphic CO ₂ production from calc-silicate rocks via garnet-forming reactions in the CFAS-H ₂ O-CO ₂ system. <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 1655-1675.	3.1	35
23	Geological map of the ultra-high pressure Brossasco-Isasca unit (Western Alps, Italy). <i>Journal of Maps</i> , 2012, 8, 465-472.	2.0	32
24	Tectonometamorphic evolution of the central Karakorum (Baltistan, northern Pakistan). <i>Tectonophysics</i> , 1996, 260, 119-143.	2.2	31
25	Structure of the Sardinia Channel: crustal thinning and tardi-orogenic extension in the Apenninic-Maghrebien orogen; results of the Cyana submersible survey (SARCYA and SARTUCYA) in the western Mediterranean. <i>Bulletin - Societie Geologique De France</i> , 2004, 175, 607-627.	2.2	28
26	Counterclockwise P-T evolution of the Aghil Range: Metamorphic record of an accretionary melange between Kunlun and Karakorum (SW Sinkiang, China). <i>Lithos</i> , 2008, 105, 365-378.	1.4	22
27	Titanite-bearing calc-silicate rocks constrain timing, duration and magnitude of metamorphic CO ₂ degassing in the Himalayan belt. <i>Lithos</i> , 2017, 292-293, 364-378.	1.4	22
28	New finding of microdiamonds in eclogites from 1/2 Dabie-Sulu region in central-eastern China. <i>Science Bulletin</i> , 2003, 48, 988.	1.7	21
29	Ultrahigh-pressure metamorphism in the magnesite + aragonite stability field: evidence from two impure marbles from the Dabie-Sulu UHPM belt. <i>Journal of Metamorphic Geology</i> , 2013, 31, 35-48.	3.4	19
30	Structural and metamorphic features of the Main Central Thrust Zone and its contiguous domains in the eastern Nepalese Himalaya. <i>Journal of the Virtual Explorer</i> , 0, 41, .	0.0	19
31	Characteristics of UHP Pelites, Gneisses, and Other Unusual Rocks. <i>International Geology Review</i> , 1999, 41, 552-570.	2.1	15
32	Petrology, geochemistry and zirconology of impure calcite marbles from the Precambrian metamorphic basement at the southeastern margin of the North China Craton. <i>Lithos</i> , 2017, 290-291, 189-209.	1.4	15
33	Metamorphic CO ₂ production in calc-silicate rocks from the eastern Himalaya. <i>Italian Journal of Geosciences</i> , 2017, 136, 28-3.	0.8	14
34	Detection of tectonometamorphic discontinuities within the Himalayan orogen: Structural and petrological constraints from the Rasuwa district, central Nepal Himalaya. <i>Journal of Asian Earth Sciences</i> , 2018, 158, 266-286.	2.3	14
35	The fate of calcareous pelites in collisional orogens. <i>Journal of Metamorphic Geology</i> , 2021, 39, 181-207.	3.4	13
36	Geology and metamorphism of the Ladakh Terrane and Shyok Suture Zone in the Chogo Lungma Turmik area (northern Pakistan). <i>Geodinamica Acta</i> , 1997, 10, 251-270.	2.2	12

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37	Partial melting of ultrahigh-pressure metamorphic rocks at convergent continental margins: Evidences, melt compositions and physical effects. <i>Geoscience Frontiers</i> , 2018, 9, 1229-1242.	8.4	12
38	A review of the first eclogites discovered in the Eastern Himalaya. <i>European Journal of Mineralogy</i> , 2016, 28, 1099-1109.	1.3	11
39	Anatexis of high-T eclogites in the Dabie orogen triggered by exhumation and post-orogenic collapse. <i>European Journal of Mineralogy</i> , 2019, 31, 889-903.	1.3	11
40	CO ₂ outgassing during collisional orogeny is facilitated by the generation of immiscible fluids. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	11
41	Fluid evolution from metamorphic peak to exhumation in Himalayan granulitized eclogites, Ama Drime range, southern Tibet. <i>European Journal of Mineralogy</i> , 2007, 19, 439-461.	1.3	10
42	A fluid inclusion study of blueschist-facies lithologies from the Indus suture zone, Ladakh (India): Implications for the exhumation of the subduction related Sapi-Shergol ophiolitic mélange. <i>Journal of Asian Earth Sciences</i> , 2017, 146, 185-195.	2.3	10
43	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
44	Diffusion-controlled metamorphic reaction textures in an ultrahigh-pressure impure calcite marble from Dabie Shan, China. <i>European Journal of Mineralogy</i> , 2014, 26, 25-40.	1.3	9
45	The Monviso Massif and the Cottian Alps as Symbols of the Alpine Chain and Geological Heritage in Piemonte, Italy. <i>Geoheritage</i> , 2015, 7, 65-84.	2.8	9
46	Pre-Cenozoic evolution of the Aghil Range (western Tibetan Plateau): A missing piece of the Tibet-Pamir-Karakorum geopuzzle. <i>Gondwana Research</i> , 2019, 69, 122-143.	6.0	8
47	Crust-mantle interactions during subduction of oceanic & continental crust. <i>Geological Field Trips</i> , 2014, 6, 1-73.	0.5	8
48	Geology and petrology of the Austroalpine Châtillon slice, Aosta valley, western Alps. <i>Geodinamica Acta</i> , 2004, 17, 91-105.	2.2	7
49	Metals and secondary metabolites in saxicolous lichen communities on ultramafic and non-ultramafic rocks of the Western Italian Alps. <i>Australian Journal of Botany</i> , 2015, 63, 276.	0.6	7
50	Stone materials used for monumental buildings in the historical centre of Turin (NW Italy): architectural survey and petrographic characterization of Via Roma. <i>Geological Society Special Publication</i> , 2015, 407, 201-218.	1.3	6
51	Petrology of the Tista and Rangit river sands (Sikkim, India). <i>Italian Journal of Geosciences</i> , 2017, 136, 103-109.	0.8	6
52	Muscovite Dehydration Melting in Silica-Undersaturated Systems: A Case Study from Corundum-Bearing Anatectic Rocks in the Dabie Orogen. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 213.	2.0	6
53	Zircon U-Pb Dating and Petrogenesis of Multiple Episodes of Anatexis in the North Dabie Complex Zone, Central China. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 618.	2.0	5
54	Geological and Structural Architecture of the Kanchenjunga Region, Eastern Nepal. <i>Journal of Nepal Geological Society</i> , 0, 43, 1-12.	0.2	5

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55	The Quaternary succession of the BulÃ© and Alpetto valleys (Monviso Massif, Piedmont) as a possible supply for prehistoric jade axes raw material. <i>Rendiconti Lincei</i> , 2015, 26, 425-432.	2.2	4
56	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
57	Tectono-metamorphic evolution of the Karakoram Terrane: Constrained from PÃ©TÃ©tÃ©fluid history of garnet-bearing amphibolites from trans Himalaya, Ladakh, India. <i>Journal of Asian Earth Sciences</i> , 2020, 196, 104293.	2.3	3
58	New constraints on PÃ©TÃ©t path of highÃ©T eclogites in the Dabie orogen, China. <i>Lithos</i> , 2021, 384-385, 105933.	1.4	3
59	The Monviso Ophiolite Geopark, a Symbol of the Alpine Chain and Geological Heritage in Piemonte, Italy. , 2015, , 239-243.		2
60	DonnÃ©es gÃ©ochronologiques 40Ar/39Ar sur les socles sarde et kabylo-pÃ©loritain submergÃ©s dans le canal de Sardaigne (MÃ©diterranÃ©e occidentale). <i>Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ©tes</i> =, 1999, 328, 529-534.	0.2	0
61	Preliminary Chemical and Isotopic Characterization of High-Altitude Spring Waters from Eastern Nepal Himalaya. , 2015, , 99-104.		0