

Christian Chopin

List of Publications by Year in descending order

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67
papers

4,718
citations

186209

28
h-index

110317

64
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68
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68
docs citations

68
times ranked

2728
citing authors

#	ARTICLE	IF	CITATIONS
1	Coesite and pure pyrope in high-grade blueschists of the Western Alps: a first record and some consequences. <i>Contributions To Mineralogy and Petrology</i> , 1984, 86, 107-118.	1.2	1,200
2	Ultrahigh-pressure metamorphism: tracing continental crust into the mantle. <i>Earth and Planetary Science Letters</i> , 2003, 212, 1-14.	1.8	489
3	Geology and petrology of the coesite-bearing terrain, Dora Maira massif, Western Alps. <i>European Journal of Mineralogy</i> , 1991, 3, 263-292.	0.4	300
4	Graphitization in a high-pressure, low-temperature metamorphic gradient: a Raman microspectroscopy and HRTEM study. <i>Contributions To Mineralogy and Petrology</i> , 2002, 143, 19-31.	1.2	287
5	Recommended nomenclature of epidote-group minerals. <i>European Journal of Mineralogy</i> , 2006, 18, 551-567.	0.4	232
6	Kinematic, thermal and petrological model of the Central Alps: Lepontine metamorphism in the upper crust and eclogitisation of the lower crust. <i>Tectonophysics</i> , 1997, 273, 105-127.	0.9	183
7	A new chlorite geothermometer for diagenetic to low-grade metamorphic conditions. <i>Contributions To Mineralogy and Petrology</i> , 2013, 165, 723-735.	1.2	146
8	⁴⁰ Ar- ³⁹ Ar dating of high pressure metamorphic micas from the Gran Paradiso area (Western Alps): Evidence against the blocking temperature concept. <i>Contributions To Mineralogy and Petrology</i> , 1980, 74, 109-122.	1.2	142
9	A unique magnesiochloritoid-bearing, high-pressure assemblage from the Monte Rosa, Western Alps: petrologic and ⁴⁰ Ar- ³⁹ Ar radiometric study. <i>Contributions To Mineralogy and Petrology</i> , 1984, 87, 388-398.	1.2	128
10	Fluid composition and evolution in coesite-bearing rocks (Dora-Maira massif, Western Alps): implications for element recycling during subduction. <i>Contributions To Mineralogy and Petrology</i> , 1995, 121, 29-44.	1.2	121
11	Compression versus extension in the exhumation of the Dora-Maira coesite-bearing unit, Western Alps, Italy. <i>Tectonophysics</i> , 1993, 221, 173-193.	0.9	112
12	⁴⁰ Ar/ ³⁹ Ar dating in coesite-bearing and associated units of the Dora Maira massif, Western Alps. <i>European Journal of Mineralogy</i> , 1991, 3, 239-262.	0.4	99
13	Accretion, underplating and exhumation along a subduction interface: From subduction initiation to continental subduction (Tav \ddot{A} nl \ddot{A} ± zone, W. Turkey). <i>Lithos</i> , 2015, 226, 233-254.	0.6	80
14	In search of transient subduction interfaces in the Dent Blanche "Sesia Tectonic System (W. Alps). <i>Lithos</i> , 2014, 205, 298-321.	0.6	74
15	U-Pb zircon, Rb-Sr and Sm-Nd geochronology of high- to very-high-pressure meta-acidic rocks from the western Alps. <i>Contributions To Mineralogy and Petrology</i> , 1989, 101, 280-289.	1.2	72
16	Geodynamics of the Tav \ddot{A} nl \ddot{A} ± zone, western Turkey: Insights into subduction/obduction processes. <i>Tectonophysics</i> , 2013, 608, 884-903.	0.9	60
17	The UHP Unit in the Dora-Maira Massif, Western Alps. <i>International Geology Review</i> , 1999, 41, 765-780.	1.1	59
18	Near-end-member magnesiochloritoid in prograde-zoned pyrope, Dora-Maira massif, western Alps. <i>Lithos</i> , 1997, 41, 37-57.	0.6	51

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19	Low-temperature Wollastonite Formed by Carbonate Reduction: a Marker of Serpentinite Redox Conditions. <i>Journal of Petrology</i> , 2012, 53, 159-176.	1.1	49
20	Phase relations in the MgO-P ₂ O ₅ -H ₂ O system and the stability of phosphoellenbergerite: petrological implications. <i>Contributions To Mineralogy and Petrology</i> , 1998, 131, 54-70.	1.2	47
21	Enstatite-“sapphirine crack-related assemblages in ultrahigh-pressure pyrope megablasts, Dora-Maira massif, western Alps. <i>Contributions To Mineralogy and Petrology</i> , 2001, 140, 422-440.	1.2	44
22	Experimental study of chloritoid stability at high pressure and various fO ₂ conditions. <i>Contributions To Mineralogy and Petrology</i> , 1994, 118, 256-270.	1.2	41
23	Clay minerals as geo-thermometer: A comparative study based on high spatial resolution analyses of illite and chlorite in Gulf Coast sandstones (Texas, U.S.A.). <i>American Mineralogist</i> , 2013, 98, 914-926.	0.9	41
24	Ellenbergerite, a new high-pressure Mg-Al-(Ti,Zr)-silicate with a novel structure based on face-sharing octahedra. <i>Contributions To Mineralogy and Petrology</i> , 1986, 92, 316-321.	1.2	37
25	Metamorphic sole formation, emplacement and blueschist facies overprint: early subduction dynamics witnessed by western Turkey ophiolites. <i>Terra Nova</i> , 2016, 28, 329-339.	0.9	37
26	Magnesiochloritoid, and the Fe-Mg series in the chloritoid group. <i>European Journal of Mineralogy</i> , 1992, 4, 67-76.	0.4	37
27	Melting textures and microdiamonds preserved in graphite pseudomorphs from the Beni Bousera peridotite massif, Morocco. <i>European Journal of Mineralogy</i> , 2011, 23, 157-168.	0.4	32
28	Tectonic model for the evolution of the western Alps. <i>Geology</i> , 1993, 21, 659.	2.0	30
29	Bearthite, Ca ₂ Al(PO ₄) ₂ OH: stability, thermodynamic properties and phase relations. <i>Contributions To Mineralogy and Petrology</i> , 1995, 121, 258-266.	1.2	28
30	The arrojadite enigma: II. Compositional space, new members, and nomenclature of the group. <i>American Mineralogist</i> , 2006, 91, 1260-1270.	0.9	28
31	Magnesioidumortierite, a new mineral from very-high-pressure rocks (western Alps). II. Crystal chemistry and petrological significance. <i>European Journal of Mineralogy</i> , 1995, 7, 525-536.	0.4	28
32	Aragonite-grossular intergrowths in eclogite-facies marble, Alpine Corsica. <i>European Journal of Mineralogy</i> , 2008, 20, 857-865.	0.4	25
33	Nano- to micro-scale decompression products in ultrahigh-pressure phengite: HRTEM and AEM study, and some petrological implications. <i>American Mineralogist</i> , 2000, 85, 1195-1201.	0.9	24
34	U-Th-Pb dating of the Brossasco ultrahigh-pressure metagranite, Dora-Maira massif, western Alps. <i>European Journal of Mineralogy</i> , 1999, 11, 69-78.	0.4	24
35	Eclogite-, amphibolite- and blueschist-facies rocks from Diego de Almagro Island (Patagonia): Episodic accretion and thermal evolution of the Chilean subduction interface during the Cretaceous. <i>Lithos</i> , 2016, 264, 422-440.	0.6	22
36	Magnesiostauroilite and zincostauroilite: mineral description with a petrogenetic and crystal-chemical update. <i>European Journal of Mineralogy</i> , 2003, 15, 167-176.	0.4	21

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37	Comment on "Subduction factory: 1. Theoretical mineralogy, densities, seismic wave speeds, and H ₂ O contents" by Bradley R. Hacker, Geoffrey A. Abers, and Simon M. Peacock. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	20
38	New Mn- and rare-earth-rich epidote-group minerals in metacherts: manganiandrosite-(Ce) and vanadoandrosite-(Ce). <i>European Journal of Mineralogy</i> , 2006, 18, 569-582.	0.4	20
39	The arrojadite enigma: I. A new formula and a new model for the arrojadite structure. <i>American Mineralogist</i> , 2006, 91, 1249-1259.	0.9	19
40	A XANES and EPMA study of Fe ³⁺ in chlorite: Importance of oxychlorite and implications for cation site distribution and thermobarometry. <i>American Mineralogist</i> , 2019, 104, 403-417.	0.9	19
41	Phase relationships of ellenbergerite, a new high-pressure Mg-Al-Ti-silicate in pyrope-coesite-quartzite from the Western Alps. <i>Memoir of the Geological Society of America</i> , 1986, , 31-41.	0.5	18
42	Protracted Subduction of the European Hyperextended Margin Revealed by Rutile U-Pb Geochronology Across the Dora Maira Massif (Western Alps). <i>Tectonics</i> , 2022, 41, .	1.3	18
43	Comment on "Diamond, former coesite and supersilicic garnet in metasedimentary rocks from the Greek Rhodope: a new ultrahigh-pressure metamorphic province established" by E.D. Mposkos and D.K. Kostopoulos [<i>Earth Planet. Sci. Lett.</i> 192 (2001) 497-506]. <i>Earth and Planetary Science Letters</i> , 2003, 214, 669-674.	1.8	17
44	Fe ²⁺ -Ti ⁴⁺ charge-transfer in dumortierite. <i>European Journal of Mineralogy</i> , 2000, 12, 521-528.	0.4	17
45	Ultrathin section preparation of phyllosilicates by Focused Ion Beam milling for quantitative analysis by TEM-EDX. <i>Applied Clay Science</i> , 2012, 59-60, 121-130.	2.6	13
46	Raadeite, Mg ₇ (PO ₄) ₂ (OH) ₈ : a new dense-packed phosphate from Modum (Norway). <i>European Journal of Mineralogy</i> , 2001, 13, 319-327.	0.4	12
47	Electron-beam (5-10 keV) damage in triplite-group phosphates: Consequences for electron-microprobe analysis of fluorine. <i>American Mineralogist</i> , 2006, 91, 503-510.	0.9	11
48	The Maira-Sampeyre and Val Grana Allochthons (south Western Alps): review and new data on the tectonometamorphic evolution of the Briançonnais distal margin. <i>Swiss Journal of Geosciences</i> , 2022, 115, .	0.5	9
49	High-pressure synthesis and properties of magnesiocarpholite, MgAl ₂ [Si ₂ O ₆](OH) ₄ . <i>Contributions To Mineralogy and Petrology</i> , 1981, 76, 260-264.	1.2	8
50	Unconvincing evidence against the blocking temperature concept?. <i>Contributions To Mineralogy and Petrology</i> , 1982, 80, 391-394.	1.2	7
51	The arrojadite enigma III. The incorporation of volatiles: a polarised FTIR spectroscopy study. <i>European Journal of Mineralogy</i> , 2014, 26, 679-688.	0.4	7
52	Superspace description of wagnerite-group minerals (Mg,Fe,Mn) ₂ (PO ₄) ₄ (F,OH). <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 243-258.	0.5	7
53	Amphibole genesis in pyroxenites from the Beni Bousera peridotite massif (Rif, Morocco): Evidence for two different metasomatic episodes. <i>Lithos</i> , 2014, 208-209, 67-80.	0.6	7
54	The triplite-triploidite supergroup: structural modulation in wagnerite, discreditation of magniotriplite, and the new mineral hydroxylwagnerite. <i>European Journal of Mineralogy</i> , 2014, 26, 553-565.	0.4	6

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55	Perboeite-(Ce) and alnaperboeite-(Ce), two new members of the epidote-tornebohmite polysomatic series: Chemistry, structure, dehydrogenation, and clue for a sodian epidote end-member. <i>American Mineralogist</i> , 2014, 99, 157-169.	0.9	6
56	The Beni Bousera marbles, record of a Triassic-Early Jurassic hyperextended margin in the Alpujarrides-Sebtides units (Rif belt, Morocco). <i>Bulletin - Societe Geologique De France</i> , 2021, 192, 26.	0.9	6
57	Metamorphic and magmatic overprint of garnet pyroxenites from the Beni Bousera massif (northern Tj ETQq1 1 0.784314 rgBT /Ove	0.6	5
58	Synthetic [4]B-bearing dumortierite and natural [4]B-free magnesiodumortierite from the Dora-Maira Massif: differences in boron coordination in response to ultrahigh pressure. <i>European Journal of Mineralogy</i> , 2018, 30, 471-483.	0.4	4
59	Nanoscale chemical zoning of chlorite and implications for low-temperature thermometry: Application to the Glarus Alps (Switzerland). <i>Lithos</i> , 2018, 314-315, 551-561.	0.6	3
60	The sapphirine-bearing rocks in contact with the Lherz peridotite body: New mineralogical data, age and interpretation. <i>Bulletin - Societe Geologique De France</i> , 2020, 191, 5.	0.9	3
61	THE CREDIBILITY OF SCIENTIFIC WRITING: AN APPEAL FOR RESPONSIBILITY. <i>Elements</i> , 2018, 14, 79-79.	0.5	2
62	Thirty years of EJM: a society-managed journal at the crossroads. A personal analysis and an appeal for responsible action. <i>European Journal of Mineralogy</i> , 2018, 30, 3-4.	0.4	2
63	Twenty years of EJM, or, a successful journal on a new track. <i>European Journal of Mineralogy</i> , 2008, 20, 5-5.	0.4	1
64	Fe-Ni-rich Silicate Aggregates Formed after Sulfides in High-pressure Serpentinites. <i>Journal of Petrology</i> , 0, , .	1.1	1
65	Jadeite in the Gran Paradiso massif: the high-pressure metamorphic evolution of upper continental crust. <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 37, 20-23.	0.3	1
66	Heat-capacity measurements and absolute entropy of δ -Mg ₂ PO ₄ OH. <i>Physics and Chemistry of Minerals</i> , 2005, 32, 13-18.	0.3	0
67	The historical corner. <i>European Journal of Mineralogy</i> , 2010, 22, 895-896.	0.4	0