Chiara M M Domeneghetti

List of Publications by Year
in descending order

44 papers	1,284 citations	331538 21 h-index	360920 35 g-index
44 all docs	44 docs citations	44 times ranked	1118 citing authors

#	Article	IF	Citations
1	Structure refinement using precession electron diffraction tomography and dynamical diffraction: tests on experimental data. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 740-751.	0.5	115
2	A new micro-furnace forin situhigh-temperature single-crystal X-ray diffraction measurements. Journal of Applied Crystallography, 2015, 48, 1192-1200.	1.9	3
3	Volume thermal expansion along the jadeiteâ€“diopside join. Physics and Chemistry of Minerals, 2015, 42, 1-14.	0.3	25
4	Thermal expansion behaviour of orthopyroxenes: the role of the Fe-Mn substitution. Mineralogical Magazine, 2015, 79, 71-87.	0.6	7
5	Diamondâ€“garnet geobarometry: The role of garnet compressibility and expansivity. Lithos, 2015, 227, 140-147.	0.6	67
6	A new calibration to determine the closure temperatures of Feâ€Mg ordering in augite from nakhlites. Meteoritics and Planetary Science, 2015, 50, 499-507.	0.7	15
7	In-situ high-temperature emissivity spectra and thermal expansion of C2/c pyroxenes: Implications for the surface of Mercury. American Mineralogist, 2014, 99, 786-792.	0.9	16
8	Thermoelastic behavior and dehydration process of cancrinite. Physics and Chemistry of Minerals, 2014, 41, 373-386.	0.3	16
9	High-pressure behavior of thiospinel CuCr2S4. American Mineralogist, 2014, 99, 908-913.	0.9	4
10	Thermal history of nakhlites: A comparison between MIL 03346 and its terrestrial analogue Theoâ€™s flow. Geochimica Et Cosmochimica Acta, 2013, 121, 571-581.	1.6	20
11	High-pressure behavior of space group P2/n omphacite. American Mineralogist, 2012, 97, 407-414.	0.9	12
12	New thermoelastic parameters of natural C2/c omphacite. Physics and Chemistry of Minerals, 2012, 39, 295-304.	0.3	9
13	HT P21/câ€“C2/c phase transition and kinetics of Fe2+â€“Mg orderâ€“disorder of an Fe-poor pigeonite: implications for the cooling history of ureilites. Contributions To Mineralogy and Petrology, 2011, 162, 599-613.	1.2	25
14	High-pressure displacive phase transition of a natural Mg-rich pigeonite. Physics and Chemistry of Minerals, 2011, 38, 379-385.	0.3	5
15	High-pressure phase transition of a natural pigeonite. American Mineralogist, 2010, 95, 300-311.	0.9	18
16	Thermal history of ALH 84001 meteorite by Fe²⁺â€Mg ordering in orthopyroxene. Meteoritics and Planetary Science, 2007, 42, 1703-1710.	0.7	6
17	Cooling history of lunar Mg-suite gabbronorite 76255, troctolite 76535 and Stillwater pyroxenite SC-936: The record in exsolution and ordering in pyroxenes. Geochimica Et Cosmochimica Acta, 2006, 70, 6068-6078.	1.6	45
18	The effect of composition and cation ordering on the compressibility of columbites up to 7ÂGPa. Physics and Chemistry of Minerals, 2006, 33, 593-600.	0.3	11

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19	Structural properties of (Mn1-x Fe x)Nb2O6 columbites from X-ray diffraction and IR spectroscopy. Physics and Chemistry of Minerals, 2005, 32, 568-577.	0.3	10
20	Kinetics of Fe2+-Mg order-disorder in P21/c pigeonite. American Mineralogist, 2005, 90, 1816-1823.	0.9	21
21	High-temperature X-ray investigation of natural columbites. Physics and Chemistry of Minerals, 2003, 30, 590-598.	0.3	14
22	Strain and local heterogeneity in the forsterite?fayalite solid solution. Physics and Chemistry of Minerals, 2003, 30, 495-502.	0.3	22
23	Ca in orthopyroxene: structural variations and kinetics of the disordering process. European Journal of Mineralogy, 2003, 15, 373-380.	0.4	15
24	Coupling between non-convergent ordering and transition temperature in theC2/câ†”P2₁/cphase transition in pigeonite. American Mineralogist, 2003, 88, 1115-1128.	0.9	21
25	Mixing properties of the enstatite-ferrosilite solid solution: I. A macroscopic perspective. European Journal of Mineralogy, 2002, 14, 525-536.	0.4	17
26	Mixing properties of the enstatite-ferrosilite solid solution: II. A microscopic perspective. European Journal of Mineralogy, 2002, 14, 537-547.	0.4	28
27	Non-convergent ordering and displacive phase transition in pigeonite: in situ HT XRD study. Physics and Chemistry of Minerals, 2002, 29, 331-340.	0.3	29
28	Phase transition and mixing behaviour of the cummingtonite-grunerite solid solution. Physics and Chemistry of Minerals, 2001, 28, 87-101.	0.3	27
29	Diffuse scattering anisotropy and theP21/aâ†”A2/aphase transition in titanite, CaTiOSiO4. Journal of Applied Crystallography, 2001, 34, 108-113.	1.9	43
30	A TEM study of Ca-rich orthopyroxenes with exsolution products: implications for Mg-Fe ordering process. European Journal of Mineralogy, 2000, 12, 735-748.	0.4	10
31	Sheet superconductivity in : crystal structure of the tetragonal matrix. Journal of Physics Condensed Matter, 1998, 10, L569-L574.	0.7	94
32	Heat capacity and thermodynamic properties for coesite and jadeite, reexamination of the quartz-coesite equilibrium boundary. American Mineralogist, 1998, 83, 409-418.	0.9	98
33	Structural mechanisms of solid solution and cation ordering in augite-jadeite pyroxenes; I, A macroscopic perspective. American Mineralogist, 1998, 83, 419-433.	0.9	51
34	Cooling rates of diogenites: A study of Fe²⁺â€Mg ordering in orthopyroxene by singleâ€crystal xâ€ray diffraction. Meteoritics and Planetary Science, 1997, 32, 855-862.	0.7	43
35	Thermal history of Acapulco and ALHA81261 acapulcoites constrained by Fe2+Mg ordering in orthopyroxene. Earth and Planetary Science Letters, 1996, 144, 359-367.	1.8	21
36	Orthopyroxene from the Serra de Mage Meteorite; a structure-refinement procedure for a Pbca phase coexisting with a C2/c exsolved phase. American Mineralogist, 1996, 81, 842-846.	0.9	20

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37	Cation ordering of orthopyroxenes from the Skaergaard Intrusion: implications for the subsolidus cooling rates and permeabilities. Contributions To Mineralogy and Petrology, 1996, 122, 359-367.	1.2	44
38	A crystal-chemical model for Pbca orthopyroxene. American Mineralogist, 1995, 80, 253-267.	0.9	21
39	Antarctic FRO90011 lodranite: Cooling history from pyroxene crystal chemistry and microstructure. Earth and Planetary Science Letters, 1994, 128, 479-487.	1.8	20
40	M1, M2 site populations and distortion parameters in synthetic Mg-Fe orthopyroxenes from Mï¿½ssbauer spectra and X-ray structure refinements. Physics and Chemistry of Minerals, 1992, 19, 298.	0.3	32
41	X-ray diffraction study of Fe2+-Mg order-disorder in orthopyroxene. Some kinetic results. Physics and Chemistry of Minerals, 1989, 16, 421.	0.3	27
42	Crystal-chemistry of natural and heated aluminous orthopyroxenes. Physics and Chemistry of Minerals, 1987, 15, 131-139.	0.3	20
43	Kinetics of Fe2+-Mg distribution in aluminous orthopyroxenes. Physics and Chemistry of Minerals, 1987, 15, 140-147.	0.3	28
44	Crystal-chemistry and cation ordering in the system diopside-jadeite: A detailed study by crystal structure refinement. Contributions To Mineralogy and Petrology, 1983, 83, 247-258.	1.2	89