

Chiara M M Domeneghetti

List of Publications by Year in descending order

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331538

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1118
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#	ARTICLE	IF	CITATIONS
1	Structure refinement using precession electron diffraction tomography and dynamical diffraction: tests on experimental data. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015, 71, 740-751.	0.5	115
2	Heat capacity and thermodynamic properties for coesite and jadeite, reexamination of the quartz-coesite equilibrium boundary. <i>American Mineralogist</i> , 1998, 83, 409-418.	0.9	98
3	Sheet superconductivity in : crystal structure of the tetragonal matrix. <i>Journal of Physics Condensed Matter</i> , 1998, 10, L569-L574.	0.7	94
4	Crystal-chemistry and cation ordering in the system diopside-jadeite: A detailed study by crystal structure refinement. <i>Contributions To Mineralogy and Petrology</i> , 1983, 83, 247-258.	1.2	89
5	Diamondâ€™garnet geobarometry: The role of garnet compressibility and expansivity. <i>Lithos</i> , 2015, 227, 140-147.	0.6	67
6	Structural mechanisms of solid solution and cation ordering in augite-jadeite pyroxenes; I, A macroscopic perspective. <i>American Mineralogist</i> , 1998, 83, 419-433.	0.9	51
7	Cooling history of lunar Mg-suite gabbro-norite 76255, troctolite 76535 and Stillwater pyroxenite SC-936: The record in exsolution and ordering in pyroxenes. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 6068-6078.	1.6	45
8	Cation ordering of orthopyroxenes from the Skaergaard Intrusion: implications for the subsolidus cooling rates and permeabilities. <i>Contributions To Mineralogy and Petrology</i> , 1996, 122, 359-367.	1.2	44
9	Cooling rates of diogenites: A study of Fe ²⁺ â€™Mg ordering in orthopyroxene by singleâ€™crystal x-ray diffraction. <i>Meteoritics and Planetary Science</i> , 1997, 32, 855-862.	0.7	43
10	Diffuse scattering anisotropy and the P21/aâ€™A2/aphase transition in titanite, CaTiOSiO ₄ . <i>Journal of Applied Crystallography</i> , 2001, 34, 108-113.	1.9	43
11	M1, M2 site populations and distortion parameters in synthetic Mg-Fe orthopyroxenes from Mi _{1/2} ssbauer spectra and X-ray structure refinements. <i>Physics and Chemistry of Minerals</i> , 1992, 19, 298.	0.3	32
12	Non-convergent ordering and displacive phase transition in pigeonite: in situ HT XRD study. <i>Physics and Chemistry of Minerals</i> , 2002, 29, 331-340.	0.3	29
13	Kinetics of Fe ²⁺ -Mg distribution in aluminous orthopyroxenes. <i>Physics and Chemistry of Minerals</i> , 1987, 15, 140-147.	0.3	28
14	Mixing properties of the enstatite-ferrosilite solid solution: II. A microscopic perspective. <i>European Journal of Mineralogy</i> , 2002, 14, 537-547.	0.4	28
15	X-ray diffraction study of Fe ²⁺ -Mg order-disorder in orthopyroxene. Some kinetic results. <i>Physics and Chemistry of Minerals</i> , 1989, 16, 421.	0.3	27
16	Phase transition and mixing behaviour of the cummingtonite-grunerite solid solution. <i>Physics and Chemistry of Minerals</i> , 2001, 28, 87-101.	0.3	27
17	HT P21/câ€™C2/c phase transition and kinetics of Fe ²⁺ â€™Mg orderâ€™disorder of an Fe-poor pigeonite: implications for the cooling history of ureilites. <i>Contributions To Mineralogy and Petrology</i> , 2011, 162, 599-613.	1.2	25
18	Volume thermal expansion along the jadeiteâ€™diopside join. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 1-14.	0.3	25

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19	Strain and local heterogeneity in the forsterite-fayalite solid solution. <i>Physics and Chemistry of Minerals</i> , 2003, 30, 495-502.	0.3	22
20	A crystal-chemical model for Pbcu orthopyroxene. <i>American Mineralogist</i> , 1995, 80, 253-267.	0.9	21
21	Thermal history of Acapulco and ALHA81261 acapulcoites constrained by Fe ²⁺ +Mg ordering in orthopyroxene. <i>Earth and Planetary Science Letters</i> , 1996, 144, 359-367.	1.8	21
22	Coupling between non-convergent ordering and transition temperature in the C _{2/c} →P _{2₁} phase transition in pigeonite. <i>American Mineralogist</i> , 2003, 88, 1115-1128.	0.9	21
23	Kinetics of Fe ²⁺ +Mg order-disorder in P2 _{1/c} pigeonite. <i>American Mineralogist</i> , 2005, 90, 1816-1823.	0.9	21
24	Crystal-chemistry of natural and heated aluminous orthopyroxenes. <i>Physics and Chemistry of Minerals</i> , 1987, 15, 131-139.	0.3	20
25	Antarctic FRO90011 lodranite: Cooling history from pyroxene crystal chemistry and microstructure. <i>Earth and Planetary Science Letters</i> , 1994, 128, 479-487.	1.8	20
26	Orthopyroxene from the Serra de Mage Meteorite; a structure-refinement procedure for a Pbcu phase coexisting with a C _{2/c} exsolved phase. <i>American Mineralogist</i> , 1996, 81, 842-846.	0.9	20
27	Thermal history of nakhlites: A comparison between MIL 03346 and its terrestrial analogue Theophrastus flow. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 571-581.	1.6	20
28	High-pressure phase transition of a natural pigeonite. <i>American Mineralogist</i> , 2010, 95, 300-311.	0.9	18
29	Mixing properties of the enstatite-ferrosilite solid solution: I. A macroscopic perspective. <i>European Journal of Mineralogy</i> , 2002, 14, 525-536.	0.4	17
30	In-situ high-temperature emissivity spectra and thermal expansion of C _{2/c} pyroxenes: Implications for the surface of Mercury. <i>American Mineralogist</i> , 2014, 99, 786-792.	0.9	16
31	Thermoelastic behavior and dehydration process of cancrinite. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 373-386.	0.3	16
32	Ca in orthopyroxene: structural variations and kinetics of the disordering process. <i>European Journal of Mineralogy</i> , 2003, 15, 373-380.	0.4	15
33	A new calibration to determine the closure temperatures of Fe-Mg ordering in augite from nakhlites. <i>Meteoritics and Planetary Science</i> , 2015, 50, 499-507.	0.7	15
34	High-temperature X-ray investigation of natural columbites. <i>Physics and Chemistry of Minerals</i> , 2003, 30, 590-598.	0.3	14
35	High-pressure behavior of space group P2 _{1/n} omphacite. <i>American Mineralogist</i> , 2012, 97, 407-414.	0.9	12
36	The effect of composition and cation ordering on the compressibility of columbites up to 7 GPa. <i>Physics and Chemistry of Minerals</i> , 2006, 33, 593-600.	0.3	11

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37	A TEM study of Ca-rich orthopyroxenes with exsolution products: implications for Mg-Fe ordering process. <i>European Journal of Mineralogy</i> , 2000, 12, 735-748.	0.4	10
38	Structural properties of $(\text{Mn}_{1-x}\text{Fe}_x)\text{Nb}_2\text{O}_6$ columbites from X-ray diffraction and IR spectroscopy. <i>Physics and Chemistry of Minerals</i> , 2005, 32, 568-577.	0.3	10
39	New thermoelastic parameters of natural C2/c omphacite. <i>Physics and Chemistry of Minerals</i> , 2012, 39, 295-304.	0.3	9
40	Thermal expansion behaviour of orthopyroxenes: the role of the Fe-Mn substitution. <i>Mineralogical Magazine</i> , 2015, 79, 71-87.	0.6	7
41	Thermal history of ALH 84001 meteorite by Fe^{2+} vs Mg ordering in orthopyroxene. <i>Meteoritics and Planetary Science</i> , 2007, 42, 1703-1710.	0.7	6
42	High-pressure displacive phase transition of a natural Mg-rich pigeonite. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 379-385.	0.3	5
43	High-pressure behavior of thiospinel CuCr_2S_4 . <i>American Mineralogist</i> , 2014, 99, 908-913.	0.9	4
44	A new micro-furnace for in situ high-temperature single-crystal X-ray diffraction measurements. <i>Journal of Applied Crystallography</i> , 2015, 48, 1192-1200.	1.9	3