

Donald D Hickmott

List of Publications by Year in descending order

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22
papers

1,038
citations

516710

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677142

22
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22
all docs

22
docs citations

22
times ranked

1387
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrix Effects in the Detection of Pb and Ba in Soils Using Laser-Induced Breakdown Spectroscopy. <i>Applied Spectroscopy</i> , 1996, 50, 1175-1181.	2.2	257
2	Storage and separation applications of nanoporous metal-organic frameworks. <i>CrystEngComm</i> , 2010, 12, 1337-1353.	2.6	157
3	Metamorphic consequences of thrust emplacement, Fall Mountain, New Hampshire. <i>Bulletin of the Geological Society of America</i> , 1990, 102, 1344-1360.	3.3	97
4	Trace element zoning in garnet from the Kwoiek Area, British Columbia: disequilibrium partitioning during garnet growth?. <i>Contributions To Mineralogy and Petrology</i> , 1990, 104, 619-630.	3.1	72
5	Trace-element partition coefficients for ilmenite, orthopyroxene and pyrrhotite in rhyolite determined by micro-PIXE analysis. <i>Chemical Geology</i> , 1994, 117, 313-330.	3.3	71
6	A Porous Metal-Organic Replica of PbO_2 for Capture of Nerve Agent Surrogate. <i>Journal of the American Chemical Society</i> , 2010, 132, 17996-17999.	13.7	66
7	Porous Metal-Organic Frameworks Containing Alkali-Bridged Two-Fold Interpenetration: Synthesis, Gas Adsorption, and Fluorescence Properties. <i>Crystal Growth and Design</i> , 2010, 10, 1301-1306.	3.0	42
8	Anisotropic thermal expansion and hydrogen bonding behavior of portlandite: A high-temperature neutron diffraction study. <i>Journal of Solid State Chemistry</i> , 2007, 180, 1519-1525.	2.9	38
9	Redistribution of Pb and other volatile trace metals during eruption, devitrification, and vapor-phase crystallization of the Bandelier Tuff, New Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 1996, 73, 245-266.	2.1	35
10	In situ neutron diffraction study of deuterated portlandite $\text{Ca}(\text{OD})_2$ at high pressure and temperature. <i>Physics and Chemistry of Minerals</i> , 2007, 34, 223-232.	0.8	30
11	Isotopic evidence for reduction of anthropogenic hexavalent chromium in Los Alamos National Laboratory groundwater. <i>Chemical Geology</i> , 2014, 373, 1-9.	3.3	24
12	Application of PIXE microanalysis to macerals and sulfides from the lower Kittanning Coal of western Pennsylvania. <i>Economic Geology</i> , 1995, 90, 246-254.	3.8	23
13	High-pressure/low-temperature neutron scattering of gas inclusion compounds: Progress and prospects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5727-5731.	7.1	22
14	Anisotropic elasticity of jarosite: A high-P synchrotron XRD study. <i>American Mineralogist</i> , 2010, 95, 19-23.	1.9	20
15	Thermal expansion and decomposition of jarosite: a high-temperature neutron diffraction study. <i>Physics and Chemistry of Minerals</i> , 2010, 37, 73-82.	0.8	19
16	High-temperature neutron diffraction study of deuterated brucite. <i>Physics and Chemistry of Minerals</i> , 2013, 40, 799-810.	0.8	17
17	Hydrothermal reactions involving equilibrium between minerals and mixed volatiles. <i>Chemical Geology</i> , 1989, 76, 57-70.	3.3	14
18	Compressibility and pressure-induced amorphization of guest-free melanophlogite: An in-situ synchrotron X-ray diffraction study. <i>American Mineralogist</i> , 2007, 92, 166-173.	1.9	14

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19	Barium and High Explosives in a Semiarid Alluvial System, Cañon de Valle, New Mexico. Vadose Zone Journal, 2005, 4, 744-759.	2.2	9
20	Insights into Microscopic Diffusion Processes at a Solid/Fluid Interface under Supercritical Conditions: A Study of the Aqueous Calcite (1011...4) Surface. Journal of Physical Chemistry C, 2012, 116, 25934-25942.	3.1	6
21	X-ray scattering of calcite thin films deposited by atomic layer deposition: Studies in air and in calcite saturated water solution. Thin Solid Films, 2014, 565, 277-284.	1.8	3
22	Flow and High Explosives Transport in a Semiarid Mesa in New Mexico, USA. Vadose Zone Journal, 2007, 6, 774-785.	2.2	2