

Will Lamb

List of Publications by Year in descending order

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31
papers

1,825
citations

361413

20
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

1153
citing authors

#	ARTICLE	IF	CITATIONS
1	P-V-T properties of fluids in the system H ₂ O ± CO ₂ ± NaCl: New graphical presentations and implications for fluid inclusion studies. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 1209-1221.	3.9	443
2	Metamorphism in the Adirondacks: II. The Role of Fluids. <i>Journal of Petrology</i> , 1990, 31, 555-596.	2.8	195
3	Metamorphism of reduced granulites in low-CO ₂ vapour-free environment. <i>Nature</i> , 1984, 312, 56-58.	27.8	191
4	Deformation processes in a peridotite shear zone: reaction-softening by an H ₂ O-deficient, continuous net transfer reaction. <i>Tectonophysics</i> , 1999, 303, 193-222.	2.2	131
5	Post-metamorphic CO ₂ -rich fluid inclusions in granulites. <i>Contributions To Mineralogy and Petrology</i> , 1987, 96, 485-495.	3.1	125
6	Methane-bearing aqueous fluid inclusions: Raman analysis, thermodynamic modelling and application to petroleum basins. <i>Chemical Geology</i> , 2001, 173, 193-205.	3.3	102
7	Metamorphic fluids in the deep crust: evidence from the Adirondacks. <i>Nature</i> , 1983, 301, 226-228.	27.8	70
8	Granulite facies amphibole and biotite equilibria, and calculated peak-metamorphic water activities. <i>Contributions To Mineralogy and Petrology</i> , 1988, 100, 349-360.	3.1	58
9	Mixing of H ₂ O-CO ₂ in fluid inclusions; geobarometry and Archean gold deposits. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 847-852.	3.9	55
10	The Role of Pyroxenites in Formation of Shear Instabilities in the Mantle: Evidence from an Ultramafic Ultramylonite, Twin Sisters Massif, Washington. <i>Journal of Petrology</i> , 2010, 51, 55-80.	2.8	54
11	Structure and metamorphism of the Gran Paradiso massif, western Alps, Italy. <i>Contributions To Mineralogy and Petrology</i> , 2002, 143, 450-470.	3.1	41
12	Raman spectroscopic characterization of H ₂ O in CO ₂ -rich fluid inclusions in granulite facies metamorphic rocks. <i>Gondwana Research</i> , 2014, 26, 301-310.	6.0	37
13	Oxy-amphibole equilibria in Ti-bearing calcic amphiboles: Experimental investigation and petrologic implications for mantle-derived amphiboles. <i>American Mineralogist</i> , 2006, 91, 54-66.	1.9	36
14	Fluid inclusions in Adirondack granulites: Implications for the retrograde P-T path. <i>Contributions To Mineralogy and Petrology</i> , 1991, 107, 472-483.	3.1	34
15	The determination of phase relations in the CH ₄ -H ₂ O-NaCl system at 1 kbar, 400 to 600°C using synthetic fluid inclusions. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 1885-1897.	3.9	33
16	Comparison of calcite + dolomite thermometry and carbonate + silicate equilibria; constraints on the conditions of metamorphism of the Llano Uplift, central Texas, U.S.A.. <i>American Mineralogist</i> , 1995, 80, 131-143.	1.9	30
17	Conditions during syntectonic vein formation in the footwall of the Absaroka Thrust Fault, Idaho-Wyoming-Utah fold and thrust belt. <i>Journal of Structural Geology</i> , 2009, 31, 1039-1057.	2.3	23
18	Amphibole equilibria in mantle rocks: Determining values of mantle aH ₂ O and implications for mantle H ₂ O contents. <i>American Mineralogist</i> , 2009, 94, 41-52.	1.9	22

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19	Determination of Fe ³⁺ /Fe using the electron microprobe: A calibration for amphiboles. <i>American Mineralogist</i> , 2012, 97, 951-961.	1.9	21
20	Phase relations in the CH ₄ -H ₂ O-NaCl system at 2 kbar, 300 to 600°C as determined using synthetic fluid inclusions. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 3971-3986.	3.9	20
21	The Petrological and Geochemical Evolution of Early Forearc Mantle Lithosphere: an Example from the Red Hills Ultramafic Massif, New Zealand. <i>Journal of Petrology</i> , 2016, 57, 751-776.	2.8	19
22	Chapter 5 – Correlations between a heterogeneous mantle and multiple stages of crustal growth: a review of the Dun Mountain ophiolite, New Zealand. <i>Geological Society Memoir</i> , 2019, 49, 75-92.	1.7	16
23	Water and Oxygen Fugacity in the Lithospheric Mantle Wedge beneath the Northern Canadian Cordillera (Alligator Lake). <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3844-3869.	2.5	13
24	Retrograde deformation within the Carthage-Colton Zone as recorded by fluid inclusions and feldspar compositions: tectonic implications for the southern Grenville Province. <i>Contributions To Mineralogy and Petrology</i> , 1993, 114, 379-394.	3.1	11
25	P-T-X conditions of calc-silicate formation: evidence from fluid inclusions and phase equilibria; Llano Uplift, central Texas, USA. <i>Journal of Metamorphic Geology</i> , 1993, 11, 89-100.	3.4	11
26	CO ₂ -rich fluid inclusions in the Whitestone Anorthosite: implications for the retrograde history of the Parry Sound Shear Zone, Grenville Province, Canada. <i>Journal of Metamorphic Geology</i> , 1992, 10, 763-776.	3.4	8
27	Using mineral equilibria to estimate H ₂ O activities in peridotites from the Western Gneiss Region of Norway. <i>American Mineralogist</i> , 2017, 102, 1021-1036.	1.9	8
28	Chapter 6 – Coupled deformation and melt-migration events recording subduction initiation, Dun Mountain ophiolite, New Zealand. <i>Geological Society Memoir</i> , 2019, 49, 93-117.	1.7	8
29	Retrograde fluids in the Archean Shawmere anorthosite, Kapuskasing Structural Zone, Ontario, Canada. <i>Contributions To Mineralogy and Petrology</i> , 1997, 129, 105-119.	3.1	4
30	Strain Localization at Constant Strain Rate and Changing Stress Conditions: Implications for Plate Boundary Processes in the Upper Mantle. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1351.	2.0	4
31	Application of mineral equilibria to estimate fugacities of H ₂ O, H ₂ , and O ₂ in mantle xenoliths from the southwestern U.S.A.. <i>American Mineralogist</i> , 2019, 104, 333-347.	1.9	2