

Robert K Popp

List of Publications by Year in descending order

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15
papers

504
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687363

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996975

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403
citing authors

#	ARTICLE	IF	CITATIONS
1	The compositional limits of fluid immiscibility in the system H ₂ O–NaCl–CO ₂ as determined with the use of synthetic fluid inclusions in conjunction with mass spectrometry. <i>Chemical Geology</i> , 1992, 98, 237-255.	3.3	83
2	Mineral-solution equilibria ^I . An experimental study of complexing and thermodynamic properties of aqueous MgCl ₂ in the system MgO–SiO ₂ –H ₂ O–HCl. <i>Geochimica Et Cosmochimica Acta</i> , 1979, 43, 1223-1239.	3.9	63
3	The role of H ₂ O in Martian magmatic systems. <i>American Mineralogist</i> , 1998, 83, 942-946.	1.9	51
4	The effect of NaCl on bunsenite solubility and Ni-complexing in supercritical aqueous fluids. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 989-995.	3.9	38
5	Solubility and complexing of Ni in the system NiO–H ₂ O–HCl. <i>Geochimica Et Cosmochimica Acta</i> , 1984, 48, 2713-2722.	3.9	36
6	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
7	Mineral solution equilibria ^{II} . An experimental study of mineral solubilities and the thermodynamic properties of aqueous CaCl ₂ in the system CaO–SiO ₂ –H ₂ O–HCl. <i>Geochimica Et Cosmochimica Acta</i> , 1979, 43, 1777-1790.	3.9	35
8	The determination of phase relations in the CH ₄ –H ₂ O–NaCl system at 1 kbar, 400 to 600 Å°C using synthetic fluid inclusions. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 1885-1897.	3.9	33
9	Hydrogen deficiency in mantle-derived phlogopites. <i>American Mineralogist</i> , 2000, 85, 753-759.	1.9	28
10	Mineral-solution equilibria ^{III} . The system Na ₂ O–Al ₂ O ₃ –SiO ₂ –H ₂ O–HCl. <i>Geochimica Et Cosmochimica Acta</i> , 1980, 44, 1029-1037.	3.9	22
11	Amphibole equilibria in mantle rocks: Determining values of mantle a _{H2O} and implications for mantle H ₂ O contents. <i>American Mineralogist</i> , 2009, 94, 41-52.	1.9	22
12	Determination of Fe ³⁺ /Fe using the electron microprobe: A calibration for amphiboles. <i>American Mineralogist</i> , 2012, 97, 951-961.	1.9	21
13	Phase relations in the CH ₄ –H ₂ O–NaCl system at 2 kbar, 300 to 600 Å°C as determined using synthetic fluid inclusions. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 3971-3986.	3.9	20
14	Experimental investigation of talc solubility in H ₂ O–MgCl ₂ –NaCl–HCl fluids in the range 500–700 Å°C, 2 kb. <i>Geochimica Et Cosmochimica Acta</i> , 1991, 55, 2819-2829.	3.9	10
15	The ionization constants of aqueous MgCl ₂ at elevated temperatures and pressures ^a a revision. <i>Geochimica Et Cosmochimica Acta</i> , 1981, 45, 2511-2512.	3.9	6