

Wilhelm Heinrich

List of Publications by Year in descending order

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29
papers

2,236
citations

304743

22
h-index

501196

28
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29
all docs

29
docs citations

29
times ranked

1734
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental resetting of the U–Th–Pb systems in monazite. <i>Chemical Geology</i> , 2002, 191, 165-181.	3.3	274
2	Temperature-dependent isotopic fractionation of lithium between clinopyroxene and high-pressure hydrous fluids. <i>Contributions To Mineralogy and Petrology</i> , 2006, 151, 112-120.	3.1	191
3	Boron-isotope fractionation between tourmaline and fluid: an experimental re-investigation. <i>Contributions To Mineralogy and Petrology</i> , 2008, 156, 259-267.	3.1	173
4	Monazite-xenotime thermobarometry; experimental calibration of the miscibility gap in the binary system $CePO_4$ - YPO_4 . <i>American Mineralogist</i> , 1997, 82, 772-780.	1.9	156
5	Lithium isotope fractionation between Li-bearing staurolite, Li-mica and aqueous fluids: An experimental study. <i>Chemical Geology</i> , 2007, 238, 277-290.	3.3	156
6	Stable isotope fractionation between liquid and vapour in water–salt systems up to 600°C. <i>Chemical Geology</i> , 1999, 157, 343-354.	3.3	130
7	Partial resetting of the U–Pb isotope system in monazite through hydrothermal experiments: An SEM and U–Pb isotope study. <i>Chemical Geology</i> , 1997, 137, 273-281.	3.3	122
8	The behaviour of boron in a peraluminous granite-pegmatite system and associated hydrothermal solutions: a melt and fluid-inclusion study. <i>Contributions To Mineralogy and Petrology</i> , 2003, 144, 457-472.	3.1	114
9	Elemental dispersion and stable isotope fractionation during reactive fluid-flow and fluid immiscibility in the Bufa del Diente aureole, NE-Mexico: evidence from radiographies and Li, B, Sr, Nd, and Pb isotope systematics. <i>Contributions To Mineralogy and Petrology</i> , 2005, 149, 400-429.	3.1	97
10	The behavior of trace elements during the chemical evolution of the H ₂ O-, B-, and F-rich granite–pegmatite–hydrothermal system at Ehrenfriedersdorf, Germany: a SXRF study of melt and fluid inclusions. <i>Mineralium Deposita</i> , 2006, 41, 229-245.	4.1	87
11	Experimental determination of REE distributions between monazite and xenotime: potential for temperature-calibrated geochronology. <i>Chemical Geology</i> , 1998, 149, 83-96.	3.3	86
12	High-pressure ammonium-bearing silicates: Implications for nitrogen and hydrogen storage in the Earth's mantle. <i>American Mineralogist</i> , 2009, 94, 283-292.	1.9	85
13	Ammonium-bearing clinopyroxene: A potential nitrogen reservoir in the Earth's mantle. <i>Chemical Geology</i> , 2010, 270, 240-248.	3.3	84
14	Monazite-xenotime thermometry. III. Experimental calibration of the partitioning of gadolinium between monazite and xenotime. <i>European Journal of Mineralogy</i> , 1998, 10, 579-588.	1.3	69
15	Experimental boron isotope fractionation between tourmaline and fluid: confirmation from in situ analyses by secondary ion mass spectrometry and from Rayleigh fractionation modelling. <i>Contributions To Mineralogy and Petrology</i> , 2009, 158, 675-681.	3.1	65
16	An experimental investigation of trace element dissolution in carbon dioxide: Applications to the geological storage of CO ₂ . <i>Chemical Geology</i> , 2011, 289, 224-234.	3.3	53
17	Experimental determination of REE fractionation between liquid and vapour in the systems NaCl–H ₂ O and CaCl ₂ –H ₂ O up to 450°C. <i>Contributions To Mineralogy and Petrology</i> , 2002, 144, 257-273.	3.1	43
18	Mineral-fluid equilibria in the system CaO–MgO–SiO ₂ –H ₂ O–CO ₂ –NaCl and the record of reactive fluid flow in contact metamorphic aureoles. <i>Contributions To Mineralogy and Petrology</i> , 2004, 148, 131-149.	3.1	37

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19	An experimental study on K and Na incorporation in dravitic tourmaline and insight into the origin of diamondiferous tourmaline from the Kokchetav Massif, Kazakhstan. <i>Contributions To Mineralogy and Petrology</i> , 2015, 169, 1.	3.1	34
20	An experimental study of the elemental and isotopic fractionation of copper between aqueous vapour and liquid to 450°C and 400bar in the CuCl ₂ -NaCl-H ₂ O and CuCl ₂ -NaHSO ₄ -NaCl-H ₂ O systems. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 94, 199-216.	3.1	33
21	Special Collection: Advances in Ultrahigh-Pressure Metamorphism: Tetrahedral boron in natural and synthetic HP/UHP tourmaline: Evidence from Raman spectroscopy, EMPA, and single-crystal XRD. <i>American Mineralogist</i> , 2016, 101, 93-104.	1.9	27
22	Trace-element analysis of individual synthetic and natural fluid inclusions with synchrotron radiation XRF using Monte Carlo simulations for quantification. <i>European Journal of Mineralogy</i> , 2004, 16, 23-35.	1.3	23
23	Contrasting fluid flow patterns at the Bufa del Diente contact metamorphic aureole, north-east Mexico: evidence from stable isotopes. <i>Contributions To Mineralogy and Petrology</i> , 1995, 119, 362-376.	3.1	22
24	P ₂ O ₅ controls on Ca and Na distribution between Mg-Al tourmaline and fluid. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	3.1	21
25	Synthetic and natural ammonium-bearing tourmaline. <i>American Mineralogist</i> , 2015, 100, 250-256.	1.9	20
26	Transport of Pb and Sr in leaky aquifers of the Bufa del Diente contact metamorphic aureole, north-east Mexico. <i>Contributions To Mineralogy and Petrology</i> , 1998, 131, 155-170.	3.1	15
27	An experimental approach to quantify the effect of tetrahedral boron in tourmaline on the boron isotope fractionation between tourmaline and fluid. <i>American Mineralogist</i> , 2017, 102, 2505-2511.	1.9	10
28	12. Fluid Immiscibility in Metamorphic Rocks. , 2007, , 389-432.		5
29	Contrasting fluid flow patterns at the Bufa del Diente contact metamorphic aureole, north-east Mexico: evidence from stable isotopes. <i>Contributions To Mineralogy and Petrology</i> , 1995, 119, 362-376.	3.1	4