

# Ae Williams-Jones

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

2,124  
citations

361413

20  
h-index

580821

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1498  
citing authors

#	ARTICLE	IF	CITATIONS
1	An experimental study of the solubility and speciation of the Rare Earth Elements (III) in fluoride- and chloride-bearing aqueous solutions at temperatures up to 300°C. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 7087-7109.	3.9	311
2	Hydrothermal transport, deposition, and fractionation of the REE: Experimental data and thermodynamic calculations. <i>Chemical Geology</i> , 2016, 439, 13-42.	3.3	306
3	The disproportionation of gold(I) chloride complexes at 25 to 200°C. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 1971-1983.	3.9	164
4	Experimental study of copper(I) chloride complexing in hydrothermal solutions at 40 to 300°C and saturated water vapor pressure. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 2949-2964.	3.9	123
5	An experimental study of the solubility and speciation of niobium in fluoride-bearing aqueous solutions at elevated temperature. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 158, 103-111.	3.9	123
6	The aqueous geochemistry of the rare earth elements and yttrium: VI. Stability of neodymium chloride complexes from 25 to 300°C. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 4615-4630.	3.9	101
7	The Chemistry of Metal Transport and Deposition by Ore-Forming Hydrothermal Fluids. , 2014, , 29-57.		98
8	An experimental study of the stability of copper chloride complexes in water vapor at elevated temperatures and pressures. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 1611-1619.	3.9	96
9	An experimental study of the solubility and speciation of tantalum in fluoride-bearing aqueous solutions at elevated temperature. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 197, 294-304.	3.9	96
10	An experimental study of the solubility and speciation of neodymium (III) fluoride in F-bearing aqueous solutions. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 3056-3069.	3.9	86
11	An experimental study of the solubility of baddeleyite (ZrO <sub>2</sub> ) in fluoride-bearing solutions at elevated temperature. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 7426-7434.	3.9	85
12	A spectrophotometric study of Nd(III), Sm(III) and Er(III) complexation in sulfate-bearing solutions at elevated temperatures. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5291-5303.	3.9	79
13	Geochemistry of the Rare-Earth Element, Nb, Ta, Hf, and Zr Deposits. , 2014, , 543-568.		77
14	A spectrophotometric study of neodymium(III) complexation in chloride solutions. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 4311-4323.	3.9	64
15	A spectrophotometric study of neodymium(III) complexation in sulfate solutions at elevated temperatures. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 983-992.	3.9	46
16	Fluid evolution in the Strange Lake granitic pluton, Canada: Implications for HFSE mobilisation. <i>Chemical Geology</i> , 2016, 444, 83-100.	3.3	45
17	Direct measurement of metal concentrations in fluid inclusions, a tale of hydrothermal alteration and REE ore formation from Strange Lake, Canada. <i>Chemical Geology</i> , 2018, 483, 385-396.	3.3	39
18	Fractionation of REE, U, and Th in natural ore-forming hydrothermal systems: Thermodynamic modeling. <i>Journal of Chemical Thermodynamics</i> , 2019, 128, 305-319.	2.0	37

#	ARTICLE	IF	CITATIONS
19	A spectroscopic study of uranyl speciation in chloride-bearing solutions at temperatures up to 250°C. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 222, 130-145.	3.9	32
20	A spectrophotometric study of erbium (III) speciation in chloride solutions at elevated temperatures. <i>Chemical Geology</i> , 2006, 234, 17-27.	3.3	30
21	A spectrophotometric study of samarium (III) speciation in chloride solutions at elevated temperatures. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 1611-1625.	3.9	26
22	An experimental study of the solubility and speciation of thorium in chloride-bearing aqueous solutions at temperatures up to 250°C. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 239, 363-373.	3.9	26
23	Relating sulfide mineral zonation and trace element chemistry to subsurface processes in the Reykjanes geothermal system, Iceland. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 310, 225-241.	2.1	17
24	Chlorine isotope fractionation during serpentinization and hydrothermal mineralization: A density functional theory study. <i>Chemical Geology</i> , 2021, 581, 120406.	3.3	6
25	Lithochemical approaches in geothermal system characterization: An application to the Reykjanes geothermal field, Iceland. <i>Geothermics</i> , 2016, 64, 61-80.	3.4	5
26	An experimental investigation of the solubility and speciation of scandium in fluoride-bearing aqueous liquids at temperatures up to 250°C. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 330, 67-79.	3.9	5
27	Response to the comment by J. Schijf and R.H. Byrne on "An experimental study of the solubility and speciation of neodymium (III) fluoride in F-bearing aqueous solutions". <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5578-5579.	3.9	1