

Yuan Mei

List of Publications by Year in descending order

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32
papers

1,208
citations

361413

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414414

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Speciation and thermodynamic properties of La(III)-Cl complexes in hydrothermal fluids: A combined molecular dynamics and in situ X-ray absorption spectroscopy study. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 330, 27-46.	3.9	5
2	Yttrium speciation in sulfate-rich hydrothermal ore-forming fluids. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 325, 278-295.	3.9	4
3	Gold solubility in alkaline and ammonia-rich hydrothermal fluids: Insights from ab initio molecular dynamics simulations. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 291, 62-78.	3.9	17
4	The role of sulfur in molybdenum transport in hydrothermal fluids: Insight from in situ synchrotron XAS experiments and molecular dynamics simulations. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 290, 162-179.	3.9	12
5	Advances in Numerical Simulations of Hydrothermal Ore Forming Processes. <i>Geofluids</i> , 2020, 2020, 1-4.	0.7	2
6	Yttrium complexation and hydration in chloride-rich hydrothermal fluids: A combined ab initio molecular dynamics and in situ X-ray absorption spectroscopy study. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 281, 168-189.	3.9	18
7	Oxidation state and coordination environment of Pb in U-bearing minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 265, 109-131.	3.9	21
8	Colloidal gold in sulphur and citrate-bearing hydrothermal fluids: An experimental study. <i>Ore Geology Reviews</i> , 2019, 114, 103142.	2.7	22
9	Zinc transport in hydrothermal fluids: On the roles of pressure and sulfur vs. chlorine complexing. <i>American Mineralogist</i> , 2019, 104, 158-161.	1.9	13
10	Evidence for fungi and gold redox interaction under Earth surface conditions. <i>Nature Communications</i> , 2019, 10, 2290.	12.8	25
11	Equation-of-state and electrical conductivity of NaCl-bearing fluids in the deep Earth: insights from molecular simulations. <i>ASEG Extended Abstracts</i> , 2019, 2019, 1-4.	0.1	0
12	The role of fluorine in hydrothermal mobilization and transportation of Fe, U and REE and the formation of IOCG deposits. <i>Chemical Geology</i> , 2019, 504, 158-176.	3.3	46
13	The dissociation mechanism and thermodynamic properties of HCl(aq) in hydrothermal fluids (to) Tj ETQq1 1 0.784314 rgBT /Overloc 226, 84-106.	3.9	29
14	The role of Pb(II) complexes in hydrothermal mass transfer: An X-ray absorption spectroscopic study. <i>Chemical Geology</i> , 2018, 502, 88-106.	3.3	27
15	Uranium Transport in F-Cl-Bearing Fluids and Hydrothermal Upgrading of U-Cu Ores in IOCG Deposits. <i>Geofluids</i> , 2018, 2018, 1-22.	0.7	33
16	CuCl Complexation in the Vapor Phase: Insights from Ab Initio Molecular Dynamics Simulations. <i>Geofluids</i> , 2018, 2018, 1-12.	0.7	9
17	White Mica as a Hyperspectral Tool in Exploration for the Sunrise Dam and Kanowna Belle Gold Deposits, Western Australia. <i>Economic Geology</i> , 2017, 112, 1153-1176.	3.8	58
18	Hydration Is the Key for Gold Transport in CO ₂ -HCl-H ₂ O Vapor. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 368-375.	2.7	12

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19	Arsenic in hydrothermal apatite: Oxidation state, mechanism of uptake, and comparison between experiments and nature. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 196, 144-159.	3.9	38
20	A review of the coordination chemistry of hydrothermal systems, or do coordination changes make ore deposits?. <i>Chemical Geology</i> , 2016, 447, 219-253.	3.3	177
21	Speciation and thermodynamic properties of zinc in sulfur-rich hydrothermal fluids: Insights from ab initio molecular dynamics simulations and X-ray absorption spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 179, 32-52.	3.9	27
22	Gold remobilisation and formation of high grade ore shoots driven by dissolution-reprecipitation replacement and Ni substitution into auriferous arsenopyrite. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 178, 143-159.	3.9	146
23	Zinc complexation in chloride-rich hydrothermal fluids (25–600 °C): A thermodynamic model derived from ab initio molecular dynamics. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 150, 265-284.	3.9	85
24	Palladium complexation in chloride- and bisulfide-rich fluids: Insights from ab initio molecular dynamics simulations and X-ray absorption spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 161, 128-145.	3.9	55
25	Metal complexation and ion hydration in low density hydrothermal fluids: Ab initio molecular dynamics simulation of Cu(I) and Au(I) in chloride solutions (25–1000 °C, 1–5000 bar). <i>Geochimica Et Cosmochimica Acta</i> , 2014, 131, 196-212.	3.9	69
26	Speciation and thermodynamic properties of manganese(II) chloride complexes in hydrothermal fluids: In situ XAS study. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 129, 77-95.	3.9	33
27	Complexation of gold in S ²⁻ -rich hydrothermal fluids: Evidence from ab-initio molecular dynamics simulations. <i>Chemical Geology</i> , 2013, 347, 34-42.	3.3	40
28	Ab initio molecular dynamics simulation and free energy exploration of copper(I) complexation by chloride and bisulfide in hydrothermal fluids. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 102, 45-64.	3.9	79
29	Speciation of nickel (II) chloride complexes in hydrothermal fluids: In situ XAS study. <i>Chemical Geology</i> , 2012, 334, 345-363.	3.3	69
30	An XAS study of speciation and thermodynamic properties of aqueous zinc bromide complexes at 25–150 °C. <i>Chemical Geology</i> , 2012, 298-299, 57-69.	3.3	24
31	Micro near infrared spectroscopy (MicroNIRS) based on on-line enrichment: Determination of trace copper in water using glycidyl methacrylate-based monolithic material. <i>Analytica Chimica Acta</i> , 2010, 670, 39-43.	5.4	10
32	A Novel MALDI Matrix for Analyzing Peptides and Proteins: Paraffin Wax Immobilized Matrix. <i>Chinese Journal of Chemistry</i> , 2009, 27, 105-110.	4.9	2