Yuan Mei

List of Publications by Year
in descending order

32	1,208	361413 20	414414 32
papers	citations	h-index	g-index

34	34	34	954
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review of the coordination chemistry of hydrothermal systems, or do coordination changes make ore deposits?. Chemical Geology, 2016, 447, 219-253.	3.3	177
2	Gold remobilisation and formation of high grade ore shoots driven by dissolution-reprecipitation replacement and Ni substitution into auriferous arsenopyrite. Geochimica Et Cosmochimica Acta, 2016, 178, 143-159.	3.9	146
3	Zinc complexation in chloride-rich hydrothermal fluids (25â€“600 Â°C): A thermodynamic model derived from ab initio molecular dynamics. Geochimica Et Cosmochimica Acta, 2015, 150, 265-284.	3.9	85
4	Ab initio molecular dynamics simulation and free energy exploration of copper(I) complexation by chloride and bisulfide in hydrothermal fluids. Geochimica Et Cosmochimica Acta, 2013, 102, 45-64.	3.9	79
5	Speciation of nickel (II) chloride complexes in hydrothermal fluids: In situ XAS study. Chemical Geology, 2012, 334, 345-363.	3.3	69
6	Metal complexation and ion hydration in low density hydrothermal fluids: Ab initio molecular dynamics simulation of Cu(I) and Au(I) in chloride solutions (25â€“1000Â°C, 1â€“5000bar). Geochimica Et Cosmochimica Acta, 2014, 131, 196-212.	3.9	69
7	White Mica as a Hyperspectral Tool in Exploration for the Sunrise Dam and Kanowna Belle Gold Deposits, Western Australia. Economic Geology, 2017, 112, 1153-1176.	3.8	58
8	Palladium complexation in chloride- and bisulfide-rich fluids: Insights from ab initio molecular dynamics simulations and X-ray absorption spectroscopy. Geochimica Et Cosmochimica Acta, 2015, 161, 128-145.	3.9	55
9	The role of fluorine in hydrothermal mobilization and transportation of Fe, U and REE and the formation of IOCG deposits. Chemical Geology, 2019, 504, 158-176.	3.3	46
10	Complexation of gold in S3â^'-rich hydrothermal fluids: Evidence from ab-initio molecular dynamics simulations. Chemical Geology, 2013, 347, 34-42.	3.3	40
11	Arsenic in hydrothermal apatite: Oxidation state, mechanism of uptake, and comparison between experiments and nature. Geochimica Et Cosmochimica Acta, 2017, 196, 144-159.	3.9	38
12	Speciation and thermodynamic properties of manganese(II) chloride complexes in hydrothermal fluids: In situ XAS study. Geochimica Et Cosmochimica Acta, 2014, 129, 77-95.	3.9	33
13	Uranium Transport in F-Cl-Bearing Fluids and Hydrothermal Upgrading of U-Cu Ores in IOCG Deposits. Geofluids, 2018, 2018, 1-22.	0.7	33
14	The dissociation mechanism and thermodynamic properties of HCl(aq) in hydrothermal fluids (to) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 226, 84-106.	3.9	29
15	Speciation and thermodynamic properties of zinc in sulfur-rich hydrothermal fluids: Insights from ab initio molecular dynamics simulations and X-ray absorption spectroscopy. Geochimica Et Cosmochimica Acta, 2016, 179, 32-52.	3.9	27
16	The role of Pb(II) complexes in hydrothermal mass transfer: An X-ray absorption spectroscopic study. Chemical Geology, 2018, 502, 88-106.	3.3	27
17	Evidence for fungi and gold redox interaction under Earth surface conditions. Nature Communications, 2019, 10, 2290.	12.8	25
18	An XAS study of speciation and thermodynamic properties of aqueous zinc bromide complexes at 25â€“150Â°C. Chemical Geology, 2012, 298-299, 57-69.	3.3	24

#	Article	IF	Citations
19	Colloidal gold in sulphur and citrate-bearing hydrothermal fluids: An experimental study. Ore Geology Reviews, 2019, 114, 103142.	2.7	22
20	Oxidation state and coordination environment of Pb in U-bearing minerals. Geochimica Et Cosmochimica Acta, 2019, 265, 109-131.	3.9	21
21	Yttrium complexation and hydration in chloride-rich hydrothermal fluids: A combined ab initio molecular dynamics and in situ X-ray absorption spectroscopy study. Geochimica Et Cosmochimica Acta, 2020, 281, 168-189.	3.9	18
22	Gold solubility in alkaline and ammonia-rich hydrothermal fluids: Insights from ab initio molecular dynamics simulations. Geochimica Et Cosmochimica Acta, 2020, 291, 62-78.	3.9	17
23	Zinc transport in hydrothermal fluids: On the roles of pressure and sulfur vs. chlorine complexing. American Mineralogist, 2019, 104, 158-161.	1.9	13
24	Hydration Is the Key for Gold Transport in CO2â€“HClâ€“H2O Vapor. ACS Earth and Space Chemistry, 2017, 1, 368-375.	2.7	12
25	The role of sulfur in molybdenum transport in hydrothermal fluids: Insight from in situ synchrotron XAS experiments and molecular dynamics simulations. Geochimica Et Cosmochimica Acta, 2020, 290, 162-179.	3.9	12
26	Micro near infrared spectroscopy (MicroNIRS) based on on-line enrichment: Determination of trace copper in water using glycidyl methacrylate-based monolithic material. Analytica Chimica Acta, 2010, 670, 39-43.	5.4	10
27	CuCl Complexation in the Vapor Phase: Insights from Ab Initio Molecular Dynamics Simulations. Geofluids, 2018, 2018, 1-12.	0.7	9
28	Speciation and thermodynamic properties of La(III)-Cl complexes in hydrothermal fluids: A combined molecular dynamics and in situ X-ray absorption spectroscopy study. Geochimica Et Cosmochimica Acta, 2022, 330, 27-46.	3.9	5
29	Yttrium speciation in sulfate-rich hydrothermal ore-forming fluids. Geochimica Et Cosmochimica Acta, 2022, 325, 278-295.	3.9	4
30	A Novel MALDI Matrix for Analyzing Peptides and Proteins: Paraffin Wax Immobilized Matrix. Chinese Journal of Chemistry, 2009, 27, 105-110.	4.9	2
31	Advances in Numerical Simulations of Hydrothermal Ore Forming Processes. Geofluids, 2020, 2020, 1-4.	0.7	2
32	Equation-of-state and electrical conductivity of NaCl-bearing fluids in the deep Earth: insights from molecular simulations. ASEG Extended Abstracts, 2019, 2019, 1-4.	0.1	0