

A review of the coordination chemistry of hydrothermal changes make ore deposits?

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Species fine structure of transition metal Cu(II) in aqueous chloride-bearing solutions: Insights from X-ray absorption spectroscopy and ab initio XANES calculations. <i>Journal of Molecular Liquids</i> , 2017, 230, 200-208.	4.9	10
2	Enrichment of germanium and associated arsenic and tungsten in coal and roll-front uranium deposits. <i>Chemical Geology</i> , 2017, 463, 29-49.	3.3	70
3	NANO- TO MICRON-SCALE PARTICULATE GOLD HOSTED BY MAGNETITE: A PRODUCT OF GOLD SCAVENGING BY BISMUTH MELTS. <i>Economic Geology</i> , 2017, 112, 993-1010.	3.8	50
4	Revisiting the hydrothermal geochemistry of europium(II/III) in light of new in-situ XAS spectroscopy results. <i>Chemical Geology</i> , 2017, 459, 61-74.	3.3	43
5	Structure, acidity, and metal complexing properties of oxythioarsenites in hydrothermal solutions. <i>Chemical Geology</i> , 2017, 471, 131-140.	3.3	1
6	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
7	Smoking gun for thallium geochemistry in volcanic arcs: Nataliyamalikite, Tll, a new thallium mineral from an active fumarole at Avacha Volcano, Kamchatka Peninsula, Russia. <i>American Mineralogist</i> , 2017, 102, 1736-1746.	1.9	13
8	Rare Earth Element Fluorocarbonate Minerals from the Olympic Dam Cu-U-Au-Ag Deposit, South Australia. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 202.	2.0	26
9	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
10	Early Jurassic mafic dykes from the Aigao uranium ore deposit in South China: Geochronology, petrogenesis and relationship with uranium mineralization. <i>Lithos</i> , 2018, 308-309, 118-133.	1.4	22
11	Formation of hydrothermal tin deposits: Raman spectroscopic evidence for an important role of aqueous Sn(IV) species. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 220, 499-511.	3.9	95
12	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
13	Complexation of copper in acetate-rich low-temperature hydrothermal fluids: Evidence from ab initio molecular dynamics simulations. <i>Chemical Geology</i> , 2018, 476, 100-118.	3.3	9
14	Pseudomorphic Rhythmically Banded and Oscillatory Tetrahedrite-Tennantite Aggregates in the Darasun Gold Deposit (Eastern Transbaikalia, Russia): A Result of Coupled Dissolution-Reprecipitation Reactions. <i>Doklady Earth Sciences</i> , 2018, 483, 1431-1436.	0.7	4
15	An experimental method for gold partitioning between two immiscible fluids: Brine and n-dodecane. <i>Chemical Geology</i> , 2018, 501, 35-50.	3.3	9
16	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
17	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
18	Effects of nano-confinement on Zn(II) adsorption to nanoporous silica. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 240, 80-97.	3.9	26

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20	CuCl Complexation in the Vapor Phase: Insights from Ab Initio Molecular Dynamics Simulations. <i>Geofluids</i> , 2018, 2018, 1-12.	0.7	9
21	Uranyl-chloride speciation and uranium transport in hydrothermal brines: Comment on Migdisov et al. (2018) "A spectroscopic study of uranyl speciation in chloride-bearing solutions at temperatures up to 250°C", <i>Geochim. Cosmochim. Acta</i> 222, 130-145. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 235, 505-508.	3.9	3
22	Fluids, Metals, and Mineral/Ore Deposits. <i>Geofluids</i> , 2018, 2018, 1-6.	0.7	13
23	In-situ sulfur isotope and trace element analysis of pyrite from the Xiwang uranium ore deposit in South China: Implication for ore genesis. <i>Journal of Geochemical Exploration</i> , 2018, 195, 49-65.	3.2	22
24	Copper complexation and solubility in high-temperature hydrothermal fluids: A combined study by Raman, X-ray fluorescence, and X-ray absorption spectroscopies and ab initio molecular dynamics simulations. <i>Chemical Geology</i> , 2018, 494, 69-79.	3.3	14
25	Uranyl Arsenate Complexes in Aqueous Solution: Insights from First-Principles Molecular Dynamics Simulations. <i>Inorganic Chemistry</i> , 2018, 57, 5801-5809.	4.0	9
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30	Uranyl speciation in sulfate-bearing hydrothermal solutions up to 250°C. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 267, 75-91.	3.9	18
31	Oxidation state and coordination environment of Pb in U-bearing minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 265, 109-131.	3.9	21
32	The discreditation of oboyerite and a note on the crystal structure of plumbotellurite. <i>Mineralogical Magazine</i> , 2019, 83, 791-797.	1.4	2
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34	Tracking Fe mobility and Fe speciation in subduction zone fluids at the slab-mantle interface in a subduction channel: A tale of whiteschist from the Western Alps. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 267, 1-16.	3.9	27
35	Crude oils as ore fluids: An experimental in-situ XAS study of gold partitioning between brine and organic fluid from 25 to 250°C. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 244, 352-365.	3.9	23
36	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

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38	Characterisation of a rare earth element- and zirconium-bearing ion-adsorption clay deposit in Madagascar. <i>Chemical Geology</i> , 2019, 522, 93-107.	3.3	46
39	Thermodynamic modelling of fluids from surficial to mantle conditions. <i>Journal of the Geological Society</i> , 2019, 176, 348-374.	2.1	25
40	Coupled Dissolutionâ€“Precipitation Reactions of Tennantiteâ€“Tetrahedrite Minerals in the Darasun Gold Deposit (Eastern Transbaikalia, Russia). <i>Geology of Ore Deposits</i> , 2019, 61, 530-548.	0.7	5
41	Gold partitioning between 1-dodecanethiol and brine at elevated temperatures: Implications of Au transport in hydrocarbons for oil-brine ore systems. <i>Chemical Geology</i> , 2019, 504, 28-37.	3.3	10
42	Gold Transport in Hydrothermal Chloride-Bearing Fluids: Insights from in Situ X-ray Absorption Spectroscopy and ab Initio Molecular Dynamics. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 240-261.	2.7	19
43	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
44	Fingerprinting multiple gold mineralization events at the Dome mine in Timmins, Ontario, Canada: Trace element and gold content of pyrite. <i>Ore Geology Reviews</i> , 2019, 104, 603-619.	2.7	12
45	Sn isotope fractionation during volatilization of Sn(IV) chloride: Laboratory experiments and quantum mechanical calculations. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 269, 184-202.	3.9	18
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47	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
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51	Synchrotron X-ray radiation and the African earth sciences: A critical review. <i>Journal of African Earth Sciences</i> , 2020, 172, 104012.	2.0	2
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53	Gold metallogeny: A tribute to Academician Yusheng Zhai. <i>Ore Geology Reviews</i> , 2020, 123, 103580.	2.7	0
54	Large S isotope and trace element fractionations in pyrite of uranium roll front systems result from internally-driven biogeochemical cycle. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 282, 113-132.	3.9	39

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59	Genesis of the Zaozigou gold deposit, West Qinling orogen, China: Constraints from sulfide trace element and stable isotope geochemistry. <i>Ore Geology Reviews</i> , 2020, 122, 103477.	2.7	12
60	Experiments on Cu-isotope fractionation between chlorine-bearing fluid and silicate magma: implications for fluid exsolution and porphyry Cu deposits. <i>National Science Review</i> , 2020, 7, 1319-1330.	9.5	20
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62	Shedding light on ore deposits: A review of synchrotron X-ray radiation use in ore geology research. <i>Ore Geology Reviews</i> , 2020, 117, 103328.	2.7	16
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64	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
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66	Insights into salty metamorphic fluid evolution from scapolite in the Trans-North China Orogen: Implication for ore genesis. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 293, 256-276.	3.9	12
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68	Lead (Pb) sorption and co-precipitation on natural sulfide, sulfate and oxide minerals under environmental conditions. <i>Minerals Engineering</i> , 2021, 163, 106801.	4.3	13
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70	Trace element catalyses mineral replacement reactions and facilitates ore formation. <i>Nature Communications</i> , 2021, 12, 1388.	12.8	19
71	First-Principles Hydrothermal Synthesis Design to Optimize Conditions and Increase the Yield of Quaternary Heteroanionic Oxychalcogenides. <i>Chemistry of Materials</i> , 2021, 33, 2726-2741.	6.7	15
72	Trace Element Signatures in Pyrite and Marcasite From Shallow Marine Island Arc-Related Hydrothermal Vents, Calypso Vents, New Zealand, and Paleochori Bay, Greece. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	10

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73	Experimental investigation of the reactions between pyrite and aqueous Cu(I) chloride solution at 100–250°C. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 298, 1-20.	3.9	11
74	Thermodynamic properties of ruthenium (IV) chloride complex and the transport of ruthenium in magmatic-hydrothermal fluids. <i>Ore Geology Reviews</i> , 2021, 131, 104043.	2.7	5
75	XANES reflects coordination change and underlying surface disorder of zinc adsorbed to silica. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 1119-1126.	2.4	7
76	Sn(II) chloride speciation and equilibrium Sn isotope fractionation under hydrothermal conditions: A first principles study. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 300, 25-43.	3.9	23
77	Selective radionuclide co-sorption onto natural minerals in environmental and anthropogenic conditions. <i>Journal of Hazardous Materials</i> , 2021, 409, 124989.	12.4	10
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79	Origin of the Qiyugou gold deposit in the southern margin of the North China Craton: Insights from trace elements of pyrite and mineralogy of Bi-minerals. <i>Ore Geology Reviews</i> , 2021, 133, 104085.	2.7	5
80	Gold solubility in silicate melts and fluids: Advances from high-pressure and high-temperature experiments. <i>Science China Earth Sciences</i> , 2021, 64, 1481-1491.	5.2	2
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82	The role of sulfides in the chalcophile and siderophile element budget of the subducted oceanic crust. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 304, 191-215.	3.9	9
83	Cobalt concentration in a sulfidic sea and mobilization during orogenesis: Implications for targeting epigenetic sediment-hosted Cu-Co deposits. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 305, 1-18.	3.9	24
84	Gold speciation in hydrothermal fluids revealed by in situ high energy resolution X-ray absorption spectroscopy. <i>American Mineralogist</i> , 2022, 107, 369-376.	1.9	8
85	Trace element fractionation and precipitation in submarine back-arc hydrothermal systems, Nifonea caldera, New Hebrides subduction zone. <i>Ore Geology Reviews</i> , 2021, 135, 104211.	2.7	8
86	Experimental study on Fe solubility in vapor-rich hydrothermal fluids at 400–500°C, 215–510 bar: Implication for Fe mobility in seafloor vent systems. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 314, 209-222.	3.9	4
88	Liquid structure under extreme conditions: high-pressure x-ray diffraction studies. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 503004.	1.8	8
89	Transferable Gaussian Attractive Potentials for Organic/Oxide Interfaces. <i>Journal of Physical Chemistry B</i> , 2021, 125, 10843-10853.	2.6	8
90	Chlorine isotope fractionation during serpentinization and hydrothermal mineralization: A density functional theory study. <i>Chemical Geology</i> , 2021, 581, 120406.	3.3	6
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92	Anatomy of a complex mineral replacement reaction: Role of aqueous redox, mineral nucleation, and ion transport properties revealed by an in-situ study of the replacement of chalcopyrite by copper sulfides. <i>Chemical Geology</i> , 2021, 581, 120390.	3.3	10
93	Boiling effects on trace element and sulfur isotope compositions of sulfides in shallow-marine hydrothermal systems: Evidence from Milos Island, Greece. <i>Chemical Geology</i> , 2021, 583, 120457.	3.3	14
94	Saline fluids drive Cu mineralization in Precambrian metasediments: Evidence from the Trans-North China Orogen. <i>Ore Geology Reviews</i> , 2021, 139, 104462.	2.7	1
95	A molecular dynamics study of Li speciation in hydrothermal fluids and silicate melts. <i>Chemical Geology</i> , 2021, 584, 120528.	3.3	5
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97	Experimental constraints on metal transport in fumarolic gases. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 400, 106929.	2.1	12
98	Characteristics of hydrothermal alteration and material migration of Mianhuakeng uranium deposit in northern Guangdong Province. <i>Acta Petrologica Sinica</i> , 2019, 35, 2745-2764.	0.8	8
99	Magmatic-Hydrothermal Fluids. <i>Elements</i> , 2020, 16, 401-406.	0.5	30
100	Extending the dataset of fluid geochemistry of the Menez Gwen, Lucky Strike, Rainbow, TAG and Snake Pit hydrothermal vent fields: Investigation of temporal stability and organic contribution. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2022, 179, 103630.	1.4	5
101	Mineral chemistry of magnetite and its constraints on ore-forming processes of the Dulong Sn-Zn-In polymetallic deposit, southeastern Yunnan Province. <i>Acta Petrologica Sinica</i> , 2020, 36, 154-170.	0.8	3
102	Tungsten (VI) speciation in hydrothermal solutions up to 400°C as revealed by in-situ Raman spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 317, 306-324.	3.9	9
103	Silver complexation in chlorine- and sulfur-rich hydrothermal fluids: Insight from ab initio molecular dynamics simulations. <i>Chemical Geology</i> , 2022, 589, 120684.	3.3	1
104	The new mineral tomiolloite, Al ₁₂ (Te ₄ +O ₃) ₅ [(SO ₃) _{0.5} (SO ₄) _{0.5}](OH) ₂₄ : A unique microporous tellurite structure. <i>American Mineralogist</i> , 2022, 107, 2167-2175.	1.9	4
105	Provenance of Jurassic Sediments from Yuqia Sandstone-Type Uranium Deposits in the Northern Margin of Qaidam Basin, China and Its Implications for Uranium Mineralization. <i>Minerals (Basel)</i> , Tj ETQq1 1 0.784314 rgBT /@verlock		
106	Bismuth: Economic geology and value chains. <i>Ore Geology Reviews</i> , 2022, 143, 104722.	2.7	26
107	Application of lithogeochemical and pyrite trace element data for the determination of vectors to ore in the Raja Au–Co prospect, northern Finland. <i>Solid Earth</i> , 2022, 13, 271-299.	2.8	10
108	Goldilocks effect of fluorine and chlorine in albitisation. <i>Chemical Geology</i> , 2022, 591, 120728.	3.3	2
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110	A molecular simulation study of Cs-Cl and Cs-F ion pairs in hydrothermal fluids. <i>Acta Geochimica</i> , 0, , 1.	1.7	0
111	An experimental and thermodynamic study of sphalerite solubility in chloride-bearing fluids at 300–450°C, 500 bar: implications for zinc transport in seafloor hydrothermal systems. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 330, 131-147.	3.9	7
112	Trace elements in pyrite from five different gold ore deposit classes: a review and meta-analysis. <i>Geological Society Special Publication</i> , 2022, 516, 47-83.	1.3	10
113	Spatial Variations in Magmatic Volatile Influx and Fluid Boiling in the Submarine Hydrothermal Systems of Niuatahi Caldera, Tonga Rear Arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	2.5	5
114	First-principles Study on Equilibrium Sn Isotope Fractionations in Hydrothermal Fluids. <i>Acta Geologica Sinica</i> , 2022, 96, 2125-2134.	1.4	2
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116	Yttrium speciation in sulfate-rich hydrothermal ore-forming fluids. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 325, 278-295.	3.9	4
117	Trace Element and Isotope Systematics in Vent Fluids and Sulphides From Maka Volcano, North Eastern Lau Spreading Centre: Insights Into Three-Component Fluid Mixing. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	6
118	Cobalt-rich characteristics and existing problems of porphyry gold-copper deposit: A case study of Jinchang deposit in Heilongjiang Province. <i>Chinese Science Bulletin</i> , 2022, 67, 3708-3723.	0.7	3
119	Scheelite chemistry from skarn systems: implications for ore-forming processes and mineral exploration. <i>Mineralium Deposita</i> , 2022, 57, 1469-1497.	4.1	14
120	Germanium redistribution during weathering of Zn mine wastes: Implications for environmental mobility and recovery of a critical mineral. <i>Applied Geochemistry</i> , 2022, 143, 105341.	3.0	4
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123	Phase separation and fluid mixing revealed by trace element signatures in pyrite from porphyry systems. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 329, 185-205.	3.9	18
124	The Distribution and Structures of Ferric Aqua and Chloro Complexes in Hydrochloric Acid Solutions. <i>ISIJ International</i> , 2022, 62, 912-921.	1.4	2
125	Distinct Au and Ag precipitation mechanism in the Xiayingfang Au-Ag deposit, North China Craton. <i>Ore Geology Reviews</i> , 2022, , 104968.	2.7	0
126	In situ Lu-Hf geochronology of calcite. <i>Geochronology</i> , 2022, 4, 353-372.	2.5	13
127	Crystal structure and investigation of Bi ₂ TeO ₆ ·nH ₂ O (0 ≤ n ≤ 10). <i>Physics and Chemistry of Minerals</i> , 2022, 49, .	0.8	1

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128	Episodic ore-forming fluid evolution processes in the Jiudian gold deposit, Jiaodong Peninsula: Constrains from texture, trace element and S isotope composition of pyrite. <i>Ore Geology Reviews</i> , 2022, 148, 105023.	2.7	1
129	Toward quantitative experiment using hydrothermal diamond anvil cell: Solubility of sylvite up to 1.6AGPa. <i>Chemical Geology</i> , 2022, 609, 121071.	3.3	2
130	Co-precipitation of gold and base metal sulfides during fluid boiling triggered by fault-valve processes in orogenic gold deposits. <i>Ore Geology Reviews</i> , 2022, 149, 105090.	2.7	7
131	Multi-source and multi-stage metal mobilization during the tectonic evolution of the Central Lapland Greenstone Belt, Finland: implications for the formation of orogenic Au deposits. <i>Mineralium Deposita</i> , 2023, 58, 461-488.	4.1	8
132	Deep sourced magma and ore-metal mobility in the D. João de Castro submarine volcano (Azores): a mineral chemistry and melt inclusion study. <i>Contributions To Mineralogy and Petrology</i> , 2022, 177, .	3.1	0
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