

# Christoph A Heinrich

## List of Publications by Year in descending order

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170  
papers

15,945  
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13865

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174  
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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Fluid Evolution at the Batu Hijau Porphyry Cu-Au Deposit, Indonesia: Hypogene Sulfide Precipitation from a Single-Phase Aqueous Magmatic Fluid During Chlorite-White-Mica Alteration. <i>Economic Geology</i> , 2022, 117, 979-1012.	3.8	10
2	Silicate-replacive high sulfidation massive sulfide orebodies in a porphyry Cu-Au system: Bor, Serbia. <i>Mineralium Deposita</i> , 2021, 56, 1423-1448.	4.1	3
3	Advantages of a fast-scanning quadrupole for LA-ICP-MS analysis of fluid inclusions. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2043-2050.	3.0	6
4	Evolution from magmatic to hydrothermal activity beneath the Cerro Escorial volcano (NW Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	1.4	3
5	Mechanisms and patterns of magmatic fluid transport in cooling hydrous intrusions. <i>Earth and Planetary Science Letters</i> , 2020, 535, 116111.	4.4	41
6	Melt and fluid evolution in an upper-crustal magma reservoir, preserved by inclusions in juvenile clasts from the Kos Plateau Tuff, Aegean Arc, Greece. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 280, 237-262.	3.9	24
7	Resolving the timescales of magmatic and hydrothermal processes associated with porphyry deposit formation using zircon U-Pb petrochronology. <i>Geochronology</i> , 2020, 2, 209-230.	2.5	23
8	Chlorine partitioning between granitic melt and H <sub>2</sub> O-CO <sub>2</sub> -NaCl fluids in the Earth's upper crust and implications for magmatic-hydrothermal ore genesis. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 261, 171-190.	3.9	30
9	Fluid geochemistry of the Serra Pelada Au-Pd-Pt deposit, Carajás, Brazil: Exceptional metal enrichment caused by deep reaching hydrothermal oxidation. <i>Ore Geology Reviews</i> , 2019, 111, 102991.	2.7	5
10	Silver Isotopes as a Source and Transport Tracer for Gold: A Reconnaissance Study at the Sheba and New Consort Gold Mines in the Barberton Greenstone Belt, Kaapvaal Craton, South Africa. <i>Economic Geology</i> , 2018, 113, 1553-1570.	3.8	16
11	Magma Evolution Leading to Porphyry Au-Cu Mineralization at the Ok Tedi Deposit, Papua New Guinea: Trace Element Geochemistry and High-Precision Geochronology of Igneous Zircon. <i>Economic Geology</i> , 2018, 113, 39-61.	3.8	64
12	Hematite Breccia-Hosted Iron Oxide Copper-Gold Deposits Require Magmatic Fluid Components Exposed to Atmospheric Oxidation: Evidence from Prominent Hill, Gawler Craton, South Australia. <i>Economic Geology</i> , 2018, 113, 597-644.	3.8	21
13	The influence of water in silicate melt on aluminium excess in plagioclase as a potential hygrometer. <i>Scientific Reports</i> , 2018, 8, 12421.	3.3	7
14	LA-ICP-MS analysis of fluid inclusions: contamination effects challenging micro-analysis of elements close to their detection limit. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 1052-1063.	3.0	31
15	Fluid-rock interaction is decisive for the formation of tungsten deposits. <i>Geology</i> , 2017, 45, 579-582.	4.4	155
16	Zircon petrochronological evidence for a plutonic-volcanic connection in porphyry copper deposits. <i>Geology</i> , 2017, 45, 623-626.	4.4	52
17	Fluid Evolution of the Monte Mattoni Mafic Complex, Adamello Batholith, Northern Italy: Insights from Fluid Inclusion Analysis and Thermodynamic Modeling. <i>Journal of Petrology</i> , 2017, 58, 1645-1670.	2.8	8
18	Copper partitioning between silicate melts and amphibole: Experimental insight into magma evolution leading to porphyry copper ore formation. <i>Chemical Geology</i> , 2017, 448, 151-163.	3.3	13

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19	A magmatic source of hydrothermal sulfur for the Prominent Hill deposit and associated prospects in the Olympic iron oxide copper-gold (IOCG) province of South Australia. <i>Ore Geology Reviews</i> , 2017, 89, 1058-1090.	2.7	27
20	From a long-lived upper-crustal magma chamber to rapid porphyry copper emplacement: Reading the geochemistry of zircon crystals at Bajo de la Alumbrera (NW Argentina). <i>Earth and Planetary Science Letters</i> , 2016, 450, 120-131.	4.4	137
21	Physical, chemical and mineralogical evolution of the Tolhuaca geothermal system, southern Andes, Chile: Insights into the interplay between hydrothermal alteration and brittle deformation. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 324, 88-104.	2.1	34
22	Application of low-temperature microthermometric data for interpreting multicomponent fluid inclusion compositions. <i>Earth-Science Reviews</i> , 2016, 159, 14-35.	9.1	41
23	Trace elements in fluid inclusions of sediment-hosted gold deposits indicate a magmatic-hydrothermal origin of the Carlin ore trend. <i>Geology</i> , 2016, 44, 1015-1018.	4.4	64
24	Microanalysis of Fluid Inclusions in Crustal Hydrothermal Systems using Laser Ablation Methods. <i>Elements</i> , 2016, 12, 323-328.	0.5	35
25	Contrasting hydrological processes of meteoric water incursion during magmatic-hydrothermal ore deposition: An oxygen isotope study by ion microprobe. <i>Earth and Planetary Science Letters</i> , 2016, 451, 263-271.	4.4	55
26	Chemical evolution of metamorphic fluids in the Central Alps, Switzerland: insight from LA-ICPMS analysis of fluid inclusions. <i>Geofluids</i> , 2016, 16, 877-908.	0.7	31
27	Internally consistent thermodynamic data for aqueous species in the system Na-Al-Si-O-H-Cl. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 187, 41-78.	3.9	47
28	The optimal windows for seismically-enhanced gold precipitation in the epithermal environment. <i>Ore Geology Reviews</i> , 2016, 79, 463-473.	2.7	23
29	Stable isotope (B, H, O) and mineral-chemistry constraints on the magmatic to hydrothermal evolution of the VarutrÅsk rare-element pegmatite (Northern Sweden). <i>Chemical Geology</i> , 2016, 421, 1-16.	3.3	56
30	Ore mineralogy of the Serra Pelada Au-Pd-Pt deposit, CarajÃs, Brazil and implications for ore-forming processes. <i>Mineralium Deposita</i> , 2016, 51, 781-795.	4.1	9
31	Fluid evolution in a volcanic-hosted epithermal carbonate-base metal-gold vein system: Alto de la Blenda, FarallÃn Negro, Argentina. <i>Mineralium Deposita</i> , 2016, 51, 873-902.	4.1	23
32	Tectonic, magmatic, and metallogenic evolution of the Late Cretaceous arc in the Carpathian-Balkan orogen. <i>Tectonics</i> , 2015, 34, 1813-1836.	2.8	83
33	Witwatersrand gold deposits formed by volcanic-rain, anoxic rivers and Archaean life. <i>Nature Geoscience</i> , 2015, 8, 206-209.	12.9	57
34	Trace elements in magnetite from massive iron oxide-apatite deposits indicate a combined formation by igneous and magmatic-hydrothermal processes. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 171, 15-38.	3.9	203
35	Lithology and Hydrothermal Alteration Control the Distribution of Copper Grade in the Prominent Hill Iron Oxide-Copper-Gold Deposit (Gawler Craton, South Australia). <i>Economic Geology</i> , 2015, 110, 1953-1994.	3.8	23
36	Fluid Evolution and Uranium (-Mo-F) Mineralization at the Maureen Deposit (Queensland, Australia): Unconformity-Related Hydrothermal Ore Formation with a Source in the Volcanic Cover Sequence. <i>Economic Geology</i> , 2014, 109, 737-773.	3.8	10

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37	Magmatic salt melt and vapor: Extreme fluids forming porphyry gold deposits in shallow subvolcanic settings. <i>Geology</i> , 2014, 42, 495-498.	4.4	44
38	The Serra Pelada Au-Pd-Pt Deposit, Carajas, Brazil: Geochemistry, Mineralogy, and Zoning of Hydrothermal Alteration. <i>Economic Geology</i> , 2014, 109, 1883-1899.	3.8	14
39	Fluid inclusion measurements by laser ablation sector-field ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1052-1057.	3.0	12
40	Hydrodynamic modeling of magmatic-hydrothermal activity at submarine arc volcanoes, with implications for ore formation. <i>Earth and Planetary Science Letters</i> , 2014, 404, 307-318.	4.4	67
41	Fluids and Ore Formation in the Earth's Crust. , 2014, , 1-28.		35
42	The Porphyry Cu-(Mo-Au) Deposit at Altar (Argentina): Tracing Gold Distribution by Vein Mapping and LA-ICP-MS Mineral Analysis. <i>Economic Geology</i> , 2014, 109, 1341-1358.	3.8	24
43	Melt and Fluid Inclusions in Hydrothermal Veins: The Magmatic to Hydrothermal Evolution of the Elatsite Porphyry Cu-Au Deposit, Bulgaria. <i>Economic Geology</i> , 2014, 109, 1359-1381.	3.8	55
44	Gold concentrations in metamorphic fluids: A LA-ICPMS study of fluid inclusions from the Alpine orogenic belt. <i>Chemical Geology</i> , 2014, 385, 70-83.	3.3	44
45	Major and trace-element composition and pressure-temperature evolution of rock-buffered fluids in low-grade accretionary-wedge metasediments, Central Alps. <i>Contributions To Mineralogy and Petrology</i> , 2013, 165, 981-1008.	3.1	38
46	Selective copper diffusion into quartz-hosted vapor inclusions: Evidence from other host minerals, driving forces, and consequences for Cu-Au ore formation. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 113, 60-69.	3.9	48
47	Adakite-like and Normal Arc Magmas: Distinct Fractionation Paths in the East Serbian Segment of the Balkan-Carpathian Arc. <i>Journal of Petrology</i> , 2013, 54, 421-451.	2.8	59
48	Geochronology, geochemistry and isotope tracing of the Oligocene magmatism of the Buchim-Damjan-Borov Dol ore district: Implications for timing, duration and source of the magmatism. <i>Lithos</i> , 2013, 180-181, 216-233.	1.4	23
49	Tethyan mantle metasomatism creates subduction geochemical signatures in non-arc Cu-Au-Te mineralizing magmas, Apuseni Mountains (Romania). <i>Earth and Planetary Science Letters</i> , 2013, 366, 122-136.	4.4	26
50	Source Plutons Driving Porphyry Copper Ore Formation: Combining Geomagnetic Data, Thermal Constraints, and Chemical Mass Balance to Quantify the Magma Chamber Beneath the Bingham Canyon Deposit. <i>Economic Geology</i> , 2013, 108, 605-624.	3.8	33
51	Post-Orogenic Extension and Hydrothermal Ore Formation: High-Precision Geochronology of the Central Rhodopian Metamorphic Core Complex (Bulgaria-Greece). <i>Economic Geology</i> , 2013, 108, 691-718.	3.8	39
52	Fluid mixing forms basement-hosted Pb-Zn deposits: Insight from metal and halogen geochemistry of individual fluid inclusions. <i>Geology</i> , 2013, 41, 679-682.	4.4	78
53	Fluid-Flow Patterns at Brothers Volcano, Southern Kermadec Arc: Insights from Geologically Constrained Numerical Simulations. <i>Economic Geology</i> , 2012, 107, 1595-1611.	3.8	26
54	Porphyry-Copper Ore Shells Form at Stable Pressure-Temperature Fronts Within Dynamic Fluid Plumes. <i>Science</i> , 2012, 338, 1613-1616.	12.6	253

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55	Accurate and precise quantification of major and trace element compositions of calcic-sodic fluid inclusions by combined microthermometry and LA-ICPMS analysis. <i>Chemical Geology</i> , 2012, 334, 144-153.	3.3	19
56	Time evolution of a rifted continental arc: Integrated ID-TIMS and LA-ICPMS study of magmatic zircons from the Eastern Srednogie, Bulgaria. <i>Lithos</i> , 2012, 154, 53-67.	1.4	45
57	Separation of Molybdenum and Copper in Porphyry Deposits: The Roles of Sulfur, Redox, and pH in Ore Mineral Deposition at Bingham Canyon. <i>Economic Geology</i> , 2012, 107, 333-356.	3.8	125
58	Quantification of transient signals in multiple collector inductively coupled plasma mass spectrometry: accurate lead isotope ratio determination by laser ablation of individual fluid inclusions. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 475-492.	3.0	43
59	Fluid evolution in zoned Cordilleran polymetallic veins – Insights from microthermometry and LA-ICP-MS of fluid inclusions. <i>Chemical Geology</i> , 2011, 281, 293-304.	3.3	55
60	Microanalysis of S, Cl, and Br in fluid inclusions by LA-ICP-MS. <i>Chemical Geology</i> , 2011, 284, 35-35.	3.3	102
61	Zircon crystallization and the lifetimes of ore-forming magmatic-hydrothermal systems. <i>Geology</i> , 2011, 39, 731-734.	4.4	163
62	The relation between Cu/Au ratio and formation depth of porphyry-style Cu-Au ± Mo deposits. <i>Mineralium Deposita</i> , 2010, 45, 11-21.	4.1	76
63	Direct Analysis of Ore-Precipitating Fluids: Combined IR Microscopy and LA-ICP-MS Study of Fluid Inclusions in Opaque Ore Minerals. <i>Economic Geology</i> , 2010, 105, 351-373.	3.8	81
64	The Bingham Canyon Porphyry Cu-Mo-Au Deposit. II. Vein Geometry and Ore Shell Formation by Pressure-Driven Rock Extension. <i>Economic Geology</i> , 2010, 105, 69-90.	3.8	48
65	The Bingham Canyon Porphyry Cu-Mo-Au Deposit. III. Zoned Copper-Gold Ore Deposition by Magmatic Vapor Expansion. <i>Economic Geology</i> , 2010, 105, 91-118.	3.8	187
66	The magma and metal source of giant porphyry-type ore deposits, based on lead isotope microanalysis of individual fluid inclusions. <i>Earth and Planetary Science Letters</i> , 2010, 296, 267-277.	4.4	172
67	Alkali metals control the release of gold from volatile-rich magmas. <i>Earth and Planetary Science Letters</i> , 2010, 297, 50-56.	4.4	116
68	Origin of Nepheline-normative High-K Ankarmites and the Evolution of Eastern Srednogie Arc in SE Europe. <i>Journal of Petrology</i> , 2009, 50, 1899-1933.	2.8	23
69	Sediment-Hosted Gold Deposits in Guizhou, China: Products of Wall-Rock Sulfidation by Deep Crustal Fluids. <i>Economic Geology</i> , 2009, 104, 73-93.	3.8	147
70	Evolution of Magmatic Vapor to Gold-Rich Epithermal Liquid: The Porphyry to Epithermal Transition at Nevados de Famatina, Northwest Argentina. <i>Economic Geology</i> , 2009, 104, 449-477.	3.8	146
71	U-Pb dating, Hf-isotope characteristics and trace-REE-patterns of zircons from Medet porphyry copper deposit, Bulgaria: implications for timing, duration and sources of ore-bearing magmatism. <i>Mineralogy and Petrology</i> , 2009, 96, 19-41.	1.1	31
72	The role of sulfur in the formation of magmatic-hydrothermal copper-gold deposits. <i>Earth and Planetary Science Letters</i> , 2009, 282, 323-328.	4.4	154

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73	Diffusive reequilibration of quartz-hosted silicate melt and fluid inclusions: Are all metal concentrations unmodified?. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 3013-3027.	3.9	97
74	High-resolution three-dimensional simulations of mid-ocean ridge hydrothermal systems. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	37
75	Phase separation, brine formation, and salinity variation at Black Smoker hydrothermal systems. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	83
76	Mafic dikes displacing Witwatersrand gold reefs: Evidence against metamorphic-hydrothermal ore formation. <i>Geology</i> , 2009, 37, 607-610.	4.4	19
77	Maria SchirbÄchler receives the 2007 Paul Niggli Medal. <i>Swiss Journal of Geosciences</i> , 2008, 101, 237-238.	1.2	0
78	Fluid and source magma evolution of the Questa porphyry Mo deposit, New Mexico, USA. <i>Mineralium Deposita</i> , 2008, 43, 533-552.	4.1	265
79	Heat transport at boiling, near-critical conditions. <i>Geofluids</i> , 2008, 8, 208-215.	0.7	22
80	Combining trace-element compositions, U-Pb geochronology and Hf isotopes in zircons to unravel complex calcalkaline magma chambers in the Upper Cretaceous Srednogorie zone (Bulgaria). <i>Lithos</i> , 2008, 104, 405-427.	1.4	32
81	The partitioning behavior of silver in a vapor-brine-rhyolite melt assemblage. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 1638-1659.	3.9	42
82	Shale basins, sulfur-deficient ore brines and the formation of exhalative base metal deposits. <i>Chemical Geology</i> , 2008, 247, 195-207.	3.3	45
83	Determination of sulfur in fluid inclusions by laser ablation ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 1581.	3.0	83
84	Special Paper: The Composition of Magmatic-Hydrothermal Fluids in Barren and Mineralized Intrusions. <i>Economic Geology</i> , 2008, 103, 877-908.	3.8	327
85	The Structure and Dynamics of Mid-Ocean Ridge Hydrothermal Systems. <i>Science</i> , 2008, 321, 1825-1828.	12.6	124
86	Numerical simulation of multi-phase fluid flow in structurally complex reservoirs. <i>Geological Society Special Publication</i> , 2007, 292, 405-429.	1.3	88
87	Hydrothermal Evolution of the El Teniente Deposit, Chile: Porphyry Cu-Mo Ore Deposition from Low-Salinity Magmatic Fluids. <i>Economic Geology</i> , 2007, 102, 1021-1045.	3.8	257
88	An evaluation of synthetic fluid inclusions for the purpose of trapping equilibrated, coexisting, immiscible fluid phases at magmatic conditions. <i>American Mineralogist</i> , 2007, 92, 124-138.	1.9	23
89	The system H <sub>2</sub> O-NaCl. Part I: Correlation formulae for phase relations in temperature-pressure-composition space from 0 to 1000°C, 0 to 5000bar, and 0 to 1 XNaCl. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4880-4901.	3.9	586
90	The partitioning behavior of As and Au in S-free and S-bearing magmatic assemblages. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 1764-1782.	3.9	89

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91	Fluid-Fluid Interactions in the Earth's Lithosphere. <i>Reviews in Mineralogy and Geochemistry</i> , 2007, 65, 1-13.	4.8	46
92	Sensitivity enhancement in laser ablation ICP-MS using small amounts of hydrogen in the carrier gas. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 1488.	3.0	118
93	11. Fluid-Fluid Interactions in Magmatic-Hydrothermal Ore Formation. , 2007, , 363-388.		7
94	Fluid-Fluid Interactions in Magmatic-Hydrothermal Ore Formation. <i>Reviews in Mineralogy and Geochemistry</i> , 2007, 65, 363-387.	4.8	165
95	GEOCHEMISTRY: How Fast Does Gold Trickle Out of Volcanoes?. <i>Science</i> , 2006, 314, 263-264.	12.6	16
96	The dynamics of mid-ocean ridge hydrothermal systems: Splitting plumes and fluctuating vent temperatures. <i>Earth and Planetary Science Letters</i> , 2006, 245, 218-231.	4.4	63
97	Copper partitioning in a melt-vapor-brine-magnetite-pyrrhotite assemblage. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 5583-5600.	3.9	146
98	From fluid inclusion microanalysis to large-scale hydrothermal mass transfer in the Earth's interior. <i>Journal of Mineralogical and Petrological Sciences</i> , 2006, 101, 110-117.	0.9	8
99	Magmatic Fluids in the Breccia-Hosted Epithermal Au-Ag Deposit of Rosia Montana, Romania. <i>Economic Geology</i> , 2006, 101, 923-954.	3.8	63
100	Multiphase Thermohaline Convection in the Earth's Crust: I. A New Finite Element Finite Volume Solution Technique Combined With a New Equation of State for NaCl-H <sub>2</sub> O. <i>Transport in Porous Media</i> , 2006, 63, 399-434.	2.6	73
101	Multiphase Thermohaline Convection in the Earth's Crust: II. Benchmarking and Application of a Finite Element Finite Volume Solution Technique with a NaCl-H <sub>2</sub> O Equation of State. <i>Transport in Porous Media</i> , 2006, 63, 435-461.	2.6	37
102	9: Processes of tectonism, magmatism and mineralization: Lessons from Europe. <i>Ore Geology Reviews</i> , 2005, 27, 333-349.	2.7	16
103	3-1: The Elatsite porphyry Cu-Au deposit, Bulgaria. <i>Ore Geology Reviews</i> , 2005, 27, 128-129.	2.7	8
104	3: Geochronology and geodynamics of Late Cretaceous magmatism and Cu-Au mineralization in the Panagyurishte region of the Apuseni-Banat-Timok-Srednogie belt, Bulgaria. <i>Ore Geology Reviews</i> , 2005, 27, 95-126.	2.7	161
105	2: Hydrothermal ore deposits related to post-orogenic extensional magmatism and core complex formation: The Rhodope Massif of Bulgaria and Greece. <i>Ore Geology Reviews</i> , 2005, 27, 53-89.	2.7	115
106	Geodynamics and ore deposit evolution in Europe: Introduction. <i>Ore Geology Reviews</i> , 2005, 27, 5-11.	2.7	17
107	Magma evolution and the formation of porphyry Cu-Au ore fluids: evidence from silicate and sulfide melt inclusions. <i>Mineralium Deposita</i> , 2005, 39, 845-863.	4.1	220
108	The physical and chemical evolution of low-salinity magmatic fluids at the porphyry to epithermal transition: a thermodynamic study. <i>Mineralium Deposita</i> , 2005, 39, 864-889.	4.1	319

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109	The formation of economic porphyry copper (-gold) deposits: constraints from microanalysis of fluid and melt inclusions. Geological Society Special Publication, 2005, 248, 247-263.	1.3	24
110	Gold partitioning in melt-vapor-brine systems. Geochimica Et Cosmochimica Acta, 2005, 69, 3321-3335.	3.9	110
111	Magmatic-to-hydrothermal crystallization in the Wâ€“Sn mineralized Mole Granite (NSW, Australia). Chemical Geology, 2005, 220, 191-213.	3.3	215
112	Magmatic-to-hydrothermal crystallization in the Wâ€“Sn mineralized Mole Granite (NSW, Australia). Chemical Geology, 2005, 220, 215-235.	3.3	82
113	Copper deposition during quartz dissolution by cooling magmaticâ€“hydrothermal fluids: The Bingham porphyry. Earth and Planetary Science Letters, 2005, 235, 229-243.	4.4	260
114	On the dynamics of NaCl-H <sub>2</sub> O fluid convection in the Earth's crust. Journal of Geophysical Research, 2005, 110, .	3.3	37
115	100th Anniversary Special Paper: Vapor Transport of Metals and the Formation of Magmatic-Hydrothermal Ore Deposits. Economic Geology, 2005, 100, 1287-1312.	3.8	40
116	Copper deposition by fluid cooling in intrusion-centered systems: New insights from the Bingham porphyry ore deposit, Utah. Geology, 2004, 32, 217.	4.4	267
117	From andesitic volcanism to the formation of a porphyry Cu-Au mineralizing magma chamber: the FarallÃ³n Negro Volcanic Complex, northwestern Argentina. Journal of Volcanology and Geothermal Research, 2004, 136, 1-30.	2.1	69
118	Accurate quantification of melt inclusion chemistry by LA-ICPMS: a comparison with EMP and SIMS and advantages and possible limitations of these methods. Lithos, 2004, 78, 333-361.	1.4	103
119	Laser-ablation ICP-MS analysis of silicate and sulfide melt inclusions in an andesitic complex I: analytical approach and data evaluation. Contributions To Mineralogy and Petrology, 2004, 147, 385-396.	3.1	54
120	Laser-ablation ICP-MS analysis of silicate and sulfide melt inclusions in an andesitic complex II: evidence for magma mixing and magma chamber evolution. Contributions To Mineralogy and Petrology, 2004, 147, 397-412.	3.1	38
121	Compositions of magmatic hydrothermal fluids determined by LA-ICP-MS of fluid inclusions from the porphyry copperâ€“molybdenum deposit at Butte, MT. Chemical Geology, 2004, 210, 173-199.	3.3	184
122	Magnetite solubility and iron transport in magmatic-hydrothermal environments. Geochimica Et Cosmochimica Acta, 2004, 68, 4905-4914.	3.9	144
123	Magmatic vapor contraction and the transport of gold from the porphyry environment to epithermal ore deposits. Geology, 2004, 32, 761.	4.4	275
124	TEMPERATURE GRADIENTS RECORDED BY FLUID INCLUSIONS AND HYDROTHERMAL ALTERATION AT THE MOUNT CHARLOTTE GOLD DEPOSIT, KALGOORLIE, AUSTRALIA. Canadian Mineralogist, 2004, 42, 1383-1404.	1.0	19
125	Is the Mount Isa copper deposit the product of forced brine convection in the footwall of a major reverse fault?. Geology, 2004, 32, 357.	4.4	35
126	Waldemar Lindgren Award for 2003 Citation of Werner E. Halter. Economic Geology, 2004, 99, 1819-1820.	3.8	0



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127	Quantitative multi-element analysis of minerals, fluid and melt inclusions by laser-ablation inductively-coupled-plasma mass-spectrometry. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 3473-3497.	3.9	484
128	Experimental determination of Au solubility in rhyolite melt and magnetite: Constraints on magmatic Au budgets. <i>American Mineralogist</i> , 2003, 88, 1644-1651.	1.9	35
129	The Elatsite porphyry copper deposit in the Panagyurishte ore district, Srednogie zone, Bulgaria: U-Pb zircon geochronology and isotope-geochemical investigations of magmatism and ore genesis. <i>Geological Society Special Publication</i> , 2002, 204, 119-135.	1.3	42
130	The Origin of Cu/Au Ratios in Porphyry-Type Ore Deposits. <i>Science</i> , 2002, 296, 1844-1846.	12.6	157
131	Major to trace element analysis of melt inclusions by laser-ablation ICP-MS: methods of quantification. <i>Chemical Geology</i> , 2002, 183, 63-86.	3.3	190
132	The Evolution of a Porphyry Cu-Au Deposit, Based on LA-ICP-MS Analysis of Fluid Inclusions: Bajo de la Alumbrera, Argentina. <i>Economic Geology</i> , 2002, 97, 1889-1920.	3.8	105
133	Cu - Au - Pb - Zn - Ag metallogeny of the Alpine - Balkan - Carpathian - Dinaride geodynamic province. <i>Mineralium Deposita</i> , 2002, 37, 533-540.	4.1	111
134	Three-dimensional geometry, ore distribution and time-integrated mass transfer through the quartz-tourmaline-gold vein network of the Sigma deposit (Abitibi belt, Canada). <i>Geofluids</i> , 2002, 2, 217-232.	0.7	19
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