

Thomas Wagner

List of Publications by Year in descending order

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76
papers

3,254
citations

159585

30
h-index

155660

55
g-index

77
all docs

77
docs citations

77
times ranked

2552
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluid inclusion evidence for the magmatic-hydrothermal evolution of closely linked porphyry Au, porphyry Mo, and barren systems, East Qinling, China. <i>Bulletin of the Geological Society of America</i> , 2022, 134, 1529-1548.	3.3	13
2	Telluride-bearing Au-Ag mineralization in the Singu-Tabaikkyin gold District, Mogok metamorphic Belt, Myanmar: New constraints on an intermediate-sulfidation epizonal orogenic ore system. <i>Journal of Asian Earth Sciences</i> , 2022, 227, 105120.	2.3	2
3	Calcite trace element geochemistry of Au deposits in the Singu-Tabaikkyin Gold District, Myanmar: Implications for the sources of ore-forming fluids. <i>Ore Geology Reviews</i> , 2022, 145, 104892.	2.7	7
4	Late-stage fluid exsolution and fluid phase separation processes in granitic pegmatites: Insights from fluid inclusion studies of the LuumÄki gem beryl pegmatite (SE Finland). <i>Lithos</i> , 2021, 380-381, 105852.	1.4	4
5	Magmatic-hydrothermal evolution of an unusual Mo-rich carbonatite: a case study using LA-ICP-MS fluid inclusion microanalysis and He ⁴ /Ar isotopes from the Huangshui TM an deposit, Qinling, China. <i>Mineralium Deposita</i> , 2021, 56, 1133-1150.	4.1	18
6	From a F-rich granite to a NYF pegmatite: Magmatic-hydrothermal fluid evolution of the Kymi topaz granite stock, SE Finland. <i>Lithos</i> , 2020, 364-365, 105538.	1.4	6
7	Fluorite as indicator mineral in iron oxide-copper-gold systems: explaining the IOCG deposit diversity. <i>Chemical Geology</i> , 2020, 548, 119674.	3.3	12
8	Textural evolution and trace element chemistry of hydrothermal calcites from Archean gold deposits in the Hattu schist belt, eastern Finland: Indicators of the ore-forming environment. <i>Ore Geology Reviews</i> , 2019, 112, 103006.	2.7	11
9	The role of magmatic and hydrothermal processes in the formation of miarolitic gem beryl from the LuumÄki pegmatite, SE Finland. <i>European Journal of Mineralogy</i> , 2019, 31, 507-518.	1.3	7
10	Apatite as a tracer of the source, chemistry and evolution of ore-forming fluids: The case of the Olserum-Djupedal REE-phosphate mineralisation, SE Sweden. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 255, 163-187.	3.9	53
11	Mineralogy, paragenesis, and mineral chemistry of REEs in the Olserum-Djupedal REE-phosphate mineralization, SE Sweden. <i>American Mineralogist</i> , 2018, 103, 125-142.	1.9	11
12	Combined LA-ICP-MS microanalysis of iodine, bromine and chlorine in fluid inclusions. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 768-783.	3.0	21
13	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
14	Fluid-rock reactions in the 1.3 Ga siderite carbonatite of the GrÄnnedalÄka alkaline complex, Southwest Greenland. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.	3.1	9
15	Origin of the high-temperature Olserum-Djupedal REE-phosphate mineralisation, SE Sweden: A unique contact metamorphic-hydrothermal system. <i>Ore Geology Reviews</i> , 2018, 101, 740-764.	2.7	14
16	Chemical evolution and origin of the LuumÄki gem beryl pegmatite: Constraints from mineral trace element chemistry and fractionation modeling. <i>Lithos</i> , 2017, 274-275, 147-168.	1.4	20
17	Fluid evolution of the Neoproterozoic Pampalo orogenic gold deposit (E Finland): Constraints from LA-ICPMS fluid inclusion microanalysis. <i>Chemical Geology</i> , 2017, 450, 96-121.	3.3	31
18	Magmatic-hydrothermal evolution of the Kymi topaz granite stock, SE Finland: Mineral chemistry evidence for episodic fluid exsolution. <i>Lithos</i> , 2017, 292-293, 401-423.	1.4	13

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19	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
20	An internally consistent thermodynamic dataset for aqueous species in the system Ca-Mg-Na-K-Al-Si-O-H-C-Cl to 800 Å°C and 5 kbar. <i>Numerische Mathematik</i> , 2017, 317, 755-806.	1.4	30
21	Major and trace element geochemistry of tourmalines from Archean orogenic gold deposits: Proxies for the origin of gold mineralizing fluids?. <i>Ore Geology Reviews</i> , 2017, 91, 906-927.	2.7	31
22	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
23	Microanalysis of Fluid Inclusions in Crustal Hydrothermal Systems using Laser Ablation Methods. <i>Elements</i> , 2016, 12, 323-328.	0.5	35
24	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
25	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
26	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
27	Mass transfer and fluid evolution in late-metamorphic veins, Rhenish Massif (Germany): insight from alteration geochemistry and fluid-mineral equilibria modeling. <i>Mineralogy and Petrology</i> , 2016, 110, 515-545.	1.1	6
28	Numerical Simulation of Reactive Fluid Flow on Unstructured Meshes. <i>Transport in Porous Media</i> , 2016, 112, 283-312.	2.6	8
29	GEMS FITS: Code package for optimization of geochemical model parameters and inverse modeling. <i>Applied Geochemistry</i> , 2015, 55, 28-45.	3.0	26
30	Fluid mixing from below in unconformity-related hydrothermal ore deposits. <i>Geology</i> , 2014, 42, 1035-1038.	4.4	78
31	GEMS FIT: a generic fitting tool for geochemical activity models. <i>Computational Geosciences</i> , 2014, 18, 227-242.	2.4	5
32	A thermodynamic model for di-trioctahedral chlorite from experimental and natural data in the system MgO-FeO-Al ₂ O ₃ -SiO ₂ -H ₂ O: applications to P-T sections and geothermometry. <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1.	3.1	134
33	Red bed and basement sourced fluids recorded in hydrothermal Mn-Fe-As veins, Sallauf (Germany): A LA-ICPMS fluid inclusion study. <i>Chemical Geology</i> , 2014, 363, 22-39.	3.3	32
34	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
35	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
36	Volumetric Properties of Mixed Electrolyte Aqueous Solutions at Elevated Temperatures and Pressures. The Systems CaCl ₂ -NaCl-H ₂ O and MgCl ₂ -NaCl-H ₂ O to 523.15 K, 70 MPa, and Ionic Strength from (0.1 to 18) mol·kg ⁻¹ . <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 2570-2588.	1.9	13

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37	A new aqueous activity model for geothermal brines in the system Na-K-Ca-Mg-H-Cl-SO ₄ -H ₂ O from 25 to 300°C. <i>Chemical Geology</i> , 2014, 381, 78-93.	3.3	24
38	GEM-Selektor geochemical modeling package: revised algorithm and GEMS3K numerical kernel for coupled simulation codes. <i>Computational Geosciences</i> , 2013, 17, 1.	2.4	148
39	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
40	Late-metamorphic veins record deep ingression of meteoric water: A LA-ICPMS fluid inclusion study from the fold-and-thrust belt of the Rhenish Massif, Germany. <i>Chemical Geology</i> , 2013, 351, 134-153.	3.3	31
41	An experimental study of the aqueous solubility and speciation of Y(III) fluoride at temperatures up to 250°C. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 123, 403-415.	3.9	57
42	Evolution of unconformity-related MnFeAs vein mineralization, Sailauf (Germany): Insight from major and trace elements in oxide and carbonate minerals. <i>Ore Geology Reviews</i> , 2013, 50, 28-51.	2.7	13
43	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
44	GEM-SELEKTOR GEOCHEMICAL MODELING PACKAGE: TSoMod LIBRARY AND DATA INTERFACE FOR MULTICOMPONENT PHASE MODELS. <i>Canadian Mineralogist</i> , 2012, 50, 1173-1195.	1.0	375
45	Source and origin of active and fossil thermal spring systems, northern Upper Rhine Graben, Germany. <i>Applied Geochemistry</i> , 2012, 27, 1153-1169.	3.0	35
46	Negative Ce anomalies in Mn oxides: The role of Ce ⁴⁺ mobility during water-mineral interaction. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 86, 296-317.	3.9	84
47	Post-Variscan hydrothermal vein mineralization, Taunus, Rhenish Massif (Germany): Constraints from stable and radiogenic isotope data. <i>Ore Geology Reviews</i> , 2012, 48, 239-257.	2.7	11
48	Unusual rare earth element fractionation in a tin-bearing magmatic-hydrothermal system. <i>Geology</i> , 2011, 39, 295-298.	4.4	56
49	The role of the Kupferschiefer in the formation of hydrothermal base metal mineralization in the Spessart ore district, Germany: insight from detailed sulfur isotope studies. <i>Mineralium Deposita</i> , 2010, 45, 217-239.	4.1	28
50	Fluid-rock interaction during formation of metamorphic quartz veins: A REE and stable isotope study from the Rhenish Massif, Germany. <i>Numerische Mathematik</i> , 2010, 310, 645-682.	1.4	21
51	Stable Isotope Constraints on Ore Formation at the San Rafael Tin-Copper Deposit, Southeast Peru. <i>Economic Geology</i> , 2009, 104, 223-248.	3.8	62
52	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
53	Formation of kyanite-quartz veins of the Alpe Sponda, Central Alps, Switzerland: implications for Al transport during regional metamorphism. <i>Contributions To Mineralogy and Petrology</i> , 2008, 156, 689-707.	3.1	28
54	Thermodynamic modeling of non-ideal mineral-fluid equilibria in the system Si-Al-Fe-Mg-Ca-Na-K-H-O-Cl at elevated temperatures and pressures: Implications for hydrothermal mass transfer in granitic rocks. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 526-553.	3.9	75

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55	Gold upgrading in metamorphosed massive sulfide ore deposits: Direct evidence from laser-ablation ¹⁹ inductively coupled plasma ²⁰ mass spectrometry analysis of invisible gold. <i>Geology</i> , 2007, 35, 775.	4.4	75
56	Hydrogen isotope determination of fluid inclusion water from hydrothermal fluorite: Constraining the effect of the extraction technique. <i>Chemical Geology</i> , 2007, 244, 474-482.	3.3	20
57	MINERALOGY, MINERAL COMPOSITIONS AND FLUID EVOLUTION AT THE WENZEL HYDROTHERMAL DEPOSIT, SOUTHERN GERMANY: IMPLICATIONS FOR THE FORMATION OF KONGSBERG-TYPE SILVER DEPOSITS. <i>Canadian Mineralogist</i> , 2007, 45, 1147-1176.	1.0	52
58	Contrasting paleofluid systems in the continental basement: a fluid inclusion and stable isotope study of hydrothermal vein mineralization, Schwarzwald district, Germany. <i>Geofluids</i> , 2007, 7, 123-147.	0.7	74
59	MINERALS OF THE SYSTEM Bi Te Se S RELATED TO THE TETRADYMITITE ARCHETYPE: REVIEW OF CLASSIFICATION AND COMPOSITIONAL VARIATION. <i>Canadian Mineralogist</i> , 2007, 45, 665-708.	1.0	93
60	Pyrite metamorphism in the devonian hunsruck slate of Germany: Insights from laser microprobe sulfur isotope analysis and thermodynamic modeling. <i>Numerische Mathematik</i> , 2006, 306, 525-552.	1.4	43
61	Quantification of mixing processes in ore-forming hydrothermal systems by combination of stable isotope and fluid inclusion analyses. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 965-982.	3.9	81
62	Iron isotope fractionation during hydrothermal ore deposition and alteration. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 3011-3030.	3.9	125
63	Fluid ²¹ rock interaction in autoliths of agpaitic nepheline syenites in the Il ²² maussaq intrusion, South Greenland ²³ . <i>Lithos</i> , 2006, 91, 331-351.	1.4	43
64	EVOLUTION OF SULFIDE MINERALIZATION IN FERROCARBONATITE, SWARTBOOISDRIF, NORTHWESTERN NAMIBIA: CONSTRAINTS FROM MINERAL COMPOSITIONS AND SULFUR ISOTOPES. <i>Canadian Mineralogist</i> , 2006, 44, 877-894.	1.0	24
65	Barite-pyrite mineralization of the Wiesbaden thermal spring system, Germany: a 500-kyr record of geochemical evolution. <i>Geofluids</i> , 2005, 5, 124-139.	0.7	21
66	Metamorphic ore remobilization in the H ²⁴ llefors district, Bergslagen, Sweden: constraints from mineralogical and small-scale sulphur isotope studies. <i>Mineralium Deposita</i> , 2005, 40, 100-114.	4.1	19
67	Stable isotope-based modeling of the origin and genesis of an unusual Au ²⁵ Ag ²⁶ Sn ²⁷ W epithermal system at Cirotan, Indonesia. <i>Chemical Geology</i> , 2005, 219, 237-260.	3.3	13
68	Laser microprobe sulphur isotope analysis of arsenopyrite: experimental calibration and application to the Boliden Au ²⁸ Cu ²⁹ As massive sulphide deposit. <i>Ore Geology Reviews</i> , 2004, 25, 311-325.	2.7	29
69	Sulphur isotope geochemistry of black shale-hosted antimony mineralization, Arnsberg, northern Rhenish Massif, Germany: implications for late-stage fluid flow during the Variscan orogeny. <i>Journal of the Geological Society</i> , 2003, 160, 299-308.	2.1	14
70	Mineralogy of complex Co-Ni-Bi vein mineralization, Bieber deposit, Spessart, Germany. <i>Mineralogical Magazine</i> , 2002, 66, 385-407.	1.4	42
71	Laser combustion analysis of ³⁴ S of sulfosalt minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 2855-2863.	3.9	58
72	Fluid ³⁰ rock interaction processes related to hydrothermal vein-type mineralization in the Siegerland district, Germany: implications from inorganic and organic alteration patterns. <i>Applied Geochemistry</i> , 2002, 17, 225-243.	3.0	9

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73	Lead isotope systematics of vein-type antimony mineralization, Rheinisches Schiefergebirge, Germany: a case history of complex reaction and remobilization processes. <i>Mineralium Deposita</i> , 2002, 37, 185-197.	4.1	16
74	Sulphur isotope characteristics of recrystallisation, remobilisation and reaction processes: a case study from the Ramsbeck Pb-Zn deposit, Germany. <i>Mineralium Deposita</i> , 2001, 36, 670-679.	4.1	10
75	Mineral reactions in sulphide systems as indicators of evolving fluid geochemistry – a case study from the Apollo mine, Siegerland, FRG. <i>Mineralogical Magazine</i> , 1997, 61, 573-590.	1.4	8
76	Halogen ratios in crustal fluids through time – Proxies for the emergence of aerobic life?. <i>Geology</i> , 0, , .	4.4	1