

Benjamin Florian Walter

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

970
citations

361413

20
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

600
citing authors

#	ARTICLE	IF	CITATIONS
1	Methane and the origin of five-element veins: Mineralogy, age, fluid inclusion chemistry and ore forming processes in the Odenwald, SW Germany. <i>Ore Geology Reviews</i> , 2017, 81, 42-61.	2.7	90
2	Fluid mixing from below in unconformity-related hydrothermal ore deposits. <i>Geology</i> , 2014, 42, 1035-1038.	4.4	78
3	Long-term chemical evolution and modification of continental basement brines – a field study from the Schwarzwald, SW Germany. <i>Geofluids</i> , 2016, 16, 604-623.	0.7	55
4	Exploration of hydrothermal carbonate magnesium isotope signatures as tracers for continental fluid aquifers, Schwarzwald mining district, SW Germany. <i>Chemical Geology</i> , 2015, 400, 87-105.	3.3	54
5	Fluids associated with carbonatitic magmatism: A critical review and implications for carbonatite magma ascent. <i>Earth-Science Reviews</i> , 2021, 215, 103509.	9.1	53
6	The connection between hydrothermal fluids, mineralization, tectonics and magmatism in a continental rift setting: Fluorite Sm-Nd and hematite and carbonates U-Pb geochronology from the Rhinegraben in SW Germany. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 240, 11-42.	3.9	47
7	Pyrochlore as a monitor for magmatic and hydrothermal processes in carbonatites from the Kaiserstuhl volcanic complex (SW Germany). <i>Chemical Geology</i> , 2018, 498, 1-16.	3.3	46
8	Testing the preservation potential of early diagenetic dolomites as geochemical archives. <i>Sedimentology</i> , 2020, 67, 849-881.	3.1	45
9	Late-stage anhydrite-gypsum-siderite-dolomite-calcite assemblages record the transition from a deep to a shallow hydrothermal system in the Schwarzwald mining district, SW Germany. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 223, 259-278.	3.9	41
10	Tracing fluid migration pathways in the root zone below unconformity-related hydrothermal veins: Insights from trace element systematics of individual fluid inclusions. <i>Chemical Geology</i> , 2016, 429, 44-50.	3.3	40
11	Multi-reservoir fluid mixing processes in rift-related hydrothermal veins, Schwarzwald, SW-Germany. <i>Journal of Geochemical Exploration</i> , 2018, 186, 158-186.	3.2	40
12	Diagenesis of the palaeo-oil-water transition zone in a Lower Pennsylvanian carbonate reservoir: Constraints from cathodoluminescence microscopy, microthermometry, and isotope geochemistry. <i>Marine and Petroleum Geology</i> , 2016, 72, 45-61.	3.3	37
13	Major element compositions of fluid inclusions from hydrothermal vein-type deposits record eroded sedimentary units in the Schwarzwald district, SW Germany. <i>Mineralium Deposita</i> , 2017, 52, 1191-1204.	4.1	35
14	The Petrology of the Kaiserstuhl Volcanic Complex, SW Germany: The Importance of Metasomatized and Oxidized Lithospheric Mantle for Carbonatite Generation. <i>Journal of Petrology</i> , 2018, 59, 1731-1762.	2.8	34
15	Evidence for Magma-Wall Rock Interaction in Carbonatites from the Kaiserstuhl Volcanic Complex (Southwest Germany). <i>Journal of Petrology</i> , 2019, 60, 1163-1194.	2.8	31
16	Complex carbonate-sulfate brines in fluid inclusions from carbonatites: Estimating compositions in the system H ₂ O-Na-K-CO ₃ -SO ₄ -Cl. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 277, 224-242.	3.9	31
17	Sulfate brines in fluid inclusions of hydrothermal veins: Compositional determinations in the system H ₂ O-Na-Ca-Cl-SO ₄ . <i>Geochimica Et Cosmochimica Acta</i> , 2017, 209, 184-203.	3.9	30
18	Reconstruction of a >200 Ma multi-stage five element-Bi-Co-Ni-Fe-As-S system in the Penninic Alps, Switzerland. <i>Ore Geology Reviews</i> , 2018, 95, 746-788.	2.7	27

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19	Chemical evolution of ore-forming brines – Basement leaching, metal provenance, and the redox link between barren and ore-bearing hydrothermal veins. A case study from the Schwarzwald mining district in SW-Germany. <i>Chemical Geology</i> , 2019, 506, 126-148.	3.3	26
20	Silicification of Hydrothermal Gangue Minerals In Pb-Zn-Cu-Fluorite-Quartz-Baryte Veins. <i>Canadian Mineralogist</i> , 2017, 55, 501-514.	1.0	21
21	Polyphase enrichment and redistribution processes in silver-rich mineral associations of the hydrothermal fluorite-barite-(Ag-Cu) Clara deposit, SW Germany. <i>Mineralium Deposita</i> , 2019, 54, 155-174.	4.1	16
22	Alkaline-Silicate REE-HFSE Systems. <i>Economic Geology</i> , 2023, 118, 177-208.	3.8	16
23	A Workflow to Define, Map and Name A Carbonatite- or Alkaline Igneous-Associated REE-HFSE Mineral System: A Case Study from SW Germany. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 97.	2.0	15
24	Quartz veins with associated Sb-Pb-Ag±Au mineralization in the Schwarzwald, SW Germany: a record of metamorphic cooling, tectonic rifting, and element remobilization processes in the Variscan belt. <i>Mineralium Deposita</i> , 2019, 54, 281-306.	4.1	13
25	Basement aquifer evolution and the formation of unconformity-related hydrothermal vein deposits: LA-ICP-MS analyses of single fluid inclusions in fluorite from SW Germany. <i>Chemical Geology</i> , 2021, 575, 120260.	3.3	11
26	A comparative study of two Mississippian dolostone reservoirs in the Volga-Ural Basin, Russia. <i>Journal of Asian Earth Sciences</i> , 2020, 199, 104465.	2.3	9
27	Formation of hydrothermal fluorite-hematite veins by mixing of continental basement brine and redbed-derived fluid: Schwarzwald mining district, SW-Germany. <i>Journal of Geochemical Exploration</i> , 2020, 212, 106512.	3.2	9
28	Combining Ion Chromatography and Total Reflection X-ray Fluorescence for Detection of Major, Minor and Trace Elements in Quartz-Hosted Fluid Inclusions. <i>Journal of Analytical Chemistry</i> , 2020, 75, 1477-1485.	0.9	7
29	Constraints on the preservation of proxy data in carbonate archives – lessons from a marine limestone to marble transect, Latemar, Italy. <i>Sedimentology</i> , 2022, 69, 423-460.	3.1	7
30	Formation of native arsenic in hydrothermal base metal deposits and related supergene U6+ enrichment: The Michael vein near Lahr, SW Germany. <i>American Mineralogist</i> , 2020, 105, 727-744.	1.9	5
31	Limited availability of sulfur promotes copper-rich mineralization in hydrothermal Pb-Zn veins: A case study from the Schwarzwald, SW Germany. <i>Chemical Geology</i> , 2020, 532, 119358.	3.3	1