

Wolf Achim Kahl

List of Publications by Year in descending order

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27
papers

739
citations

687220

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25
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all docs

36
docs citations

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times ranked

986
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetite in seafloor serpentinite--Some like it hot. <i>Geology</i> , 2014, 42, 135-138.	2.0	192
2	Experimental constraints on fluid-rock reactions during incipient serpentinization of harzburgite. <i>American Mineralogist</i> , 2015, 100, 991-1002.	0.9	66
3	Thermodynamic properties of scorodite and parascorodite (FeAsO ₄ ·2H ₂ O), kaÅkrite (FeAsO ₄ ·3.5H ₂ O), and FeAsO ₄ . <i>Hydrometallurgy</i> , 2012, 117-118, 47-56.	1.8	62
4	Non-destructive fabric analysis of prehistoric pottery using high-resolution X-ray microtomography: a pilot study on the late Mesolithic to Neolithic site Hamburg-Boberg. <i>Journal of Archaeological Science</i> , 2012, 39, 2206-2219.	1.2	58
5	Fossil traces of the bone-eating worm <i>Osedax</i> in early Oligocene whale bones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8656-8659.	3.3	54
6	Lightweight aggregates from mixtures of granite wastes with clay. <i>Journal of Cleaner Production</i> , 2016, 117, 139-149.	4.6	47
7	Ultramafic clasts from the South Chamorro serpentine mud volcano reveal a polyphase serpentinization history of the Mariana forearc mantle. <i>Lithos</i> , 2015, 227, 1-20.	0.6	31
8	Osedax borings in fossil marine bird bones. <i>Die Naturwissenschaften</i> , 2011, 98, 51-55.	0.6	30
9	Traces of the bone-eating annelid <i>Osedax</i> in Oligocene whale teeth and fish bones. <i>Palaontologische Zeitschrift</i> , 2013, 87, 161-167.	0.8	24
10	Reaction-induced porosity and onset of low-temperature carbonation in abyssal peridotites: Insights from 3D high-resolution microtomography. <i>Lithos</i> , 2017, 268-271, 274-284.	0.6	23
11	Textural evolution during high-pressure dehydration of serpentinite to peridotite and its relation to stress orientations and kinematics of subducting slabs: Insights from the Almirez ultramafic massif. <i>Lithos</i> , 2018, 320-321, 470-489.	0.6	18
12	Classical and new bioerosion trace fossils in Cretaceous belemnite guards characterised via micro-CT. <i>Fossil Record</i> , 2017, 20, 173-199.	0.5	17
13	3D microstructure of olivine in complex geological materials reconstructed by correlative X-ray ÅCT and EBSD analyses. <i>Journal of Microscopy</i> , 2017, 268, 193-207.	0.8	15
14	Thermodynamic data of the high-pressure phase Mg ₅ Al ₅ Si ₆ O ₂₁ (OH) ₇ (Mg-sursassite). <i>Physics and Chemistry of Minerals</i> , 2001, 28, 475-487.	0.3	14
15	Enthalpies of formation of tremolite and talc by high-temperature solution calorimetry—a consistent picture. <i>American Mineralogist</i> , 2001, 86, 1345-1357.	0.9	13
16	Microfabric and anisotropy of elastic waves in sandstone — An observation using high-resolution X-ray microtomography. <i>Journal of Structural Geology</i> , 2013, 49, 35-49.	1.0	13
17	Ambient occlusion — A powerful algorithm to segment shell and skeletal intrapores in computed tomography data. <i>Computers and Geosciences</i> , 2018, 115, 75-87.	2.0	11
18	Variant across-forearc compositions of slab-fluids recorded by serpentinites: Implications on the mobilization of FMEs from an active subduction zone (Mariana forearc). <i>Lithos</i> , 2020, 364-365, 105525.	0.6	9

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19	Thermal microstructural changes of grain-supported limestones. <i>Mineralogy and Petrology</i> , 2011, 103, 9-17.	0.4	8
20	Microstructure and reactivity of calcined mud supported limestones. <i>Institutions of Mining and Metallurgy Transactions Section C: Mineral Processing and Extractive Metallurgy</i> , 2012, 121, 5-11.	0.6	7
21	Enthalpy of formation of pargasite by high-temperature solution calorimetry and heat capacity of pargasite and fluoropargasite by differential scanning calorimetry. <i>European Journal of Mineralogy</i> , 2003, 15, 617-628.	0.4	6
22	Thermodynamic properties of magnesiochloritoid. <i>European Journal of Mineralogy</i> , 2005, 17, 587-598.	0.4	5
23	A new X-ray-transparent flow-through reaction cell for a μ -CT-based concomitant surveillance of the reaction progress of hydrothermal mineral-fluid interactions. <i>Solid Earth</i> , 2016, 7, 651-658.	1.2	5
24	Multiple pyroxene and amphibole assemblages in the amphibolite facies: Bulk compositional controls. <i>American Mineralogist</i> , 2000, 85, 1606-1616.	0.9	4
25	Morphological transition during prograde olivine growth formed by high-pressure dehydration of antigorite-serpentinite to chlorite-harzburgite in a subduction setting. <i>Lithos</i> , 2021, 382-383, 105949.	0.6	4
26	Design of the subsurface observatory at Surtsey volcano, Iceland. <i>Scientific Drilling</i> , 0, 25, 57-62.	1.0	3
27	Hydrothermal troctolite alteration at 300 and 400°C – Insights from flexible Au-reaction cell batch experimental investigations. <i>American Mineralogist</i> , 2021, , .	0.9	0