

Reinhard X Fischer

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

632
citations

1040056

9
h-index

713466

21
g-index

24
all docs

24
docs citations

24
times ranked

871
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, revised crystal structures, and refractive indices of ABW-type $CsM_{1-x}TiO_4$ ($M = Al, Fe, Ga$) and ANA-type $CsTi_{1.10}Si_{1.90}O_{6.50}$, and the determination of the electronic polarizability of 4-coordinated Ti^{4+} . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2020, 235, 533-551.	0.8	2
2	Empirical Electronic Polarizabilities: Deviations from the Additivity Rule. II. Structures Exhibiting Ion Conductivity. <i>Crystal Research and Technology</i> , 2019, 54, 1900037.	1.3	6
3	The Floppiness of It All: Bond Lengths Change with Atomic Displacement Parameters and the Flexibility of Various Coordination Tetrahedra in Zeolitic Frameworks. An Empirical Structural Study of Bond Lengths and Angles. <i>Chemistry of Materials</i> , 2019, 31, 2401-2420.	6.7	22
4	Empirical electronic polarizabilities: deviations from the additivity rule. I. $M_2+SO_4 \cdot nH_2O$, blârdite $Na_2M_2+(SO_4)_2 \cdot 4H_2O$, and kieserite-related minerals with sterically strained structures. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 303-310.	0.8	5
5	POLARIO, a computer program for calculating refractive indices from chemical compositions. <i>American Mineralogist</i> , 2018, 103, 1345-1348.	1.9	13
6	Elucidating structural order and disorder phenomena in mullite-type $Al_4B_2O_9$ by automated electron diffraction tomography. <i>Journal of Solid State Chemistry</i> , 2017, 249, 114-123.	2.9	22
7	Refractive indices of minerals and synthetic compounds. <i>American Mineralogist</i> , 2017, 102, 1906-1914.	1.9	26
8	Empirical electronic polarizabilities of ions for the prediction and interpretation of refractive indices: Oxides and oxyalts. <i>American Mineralogist</i> , 2016, 101, 2288-2300.	1.9	67
9	High-pressure synthesis, long-term stability of single crystals of diboron trioxide, B_2O_3 , and an empirical electronic polarizability of $[3]B^{3+}$. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 527-534.	0.8	4
10	Crystal Growth, Crystal Structure, Optical Properties, and Phase Transition of $BaCaBO_3F$. <i>Crystal Growth and Design</i> , 2016, 16, 4411-4420.	3.0	5
11	Atomic distributions in crystal structures solved by Boolean satisfiability techniques. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2016, 231, 107-111.	0.8	1
12	A new mineral from the Bellerberg, Eifel, Germany, intermediate between mullite and sillimanite. <i>American Mineralogist</i> , 2015, 100, 1493-1501.	1.9	7
13	High Pressure Behavior of 7:4 Mullite and Boron-Substituted Mullite: Compressibility and Mechanisms of Amorphization. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2980-2989.	3.8	3
14	Synthesis and characterization of mullite-type $(Al_{1-x}Ga_x)_4B_2O_9$. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2014, 229, 699-708.	0.8	8
15	Gaps in cubic closest packing: from MgO via spinel to the pharmacosiderite crystal structure type. <i>Mineralogy and Petrology</i> , 2013, 107, 153-162.	1.1	5
16	Verification and evaluation of site occupancies using Boolean satisfiability techniques. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, s291-s291.	0.3	1
17	Thermal microstructural changes of grain-supported limestones. <i>Mineralogy and Petrology</i> , 2011, 103, 9-17.	1.1	8
18	A historical note on the sodalite framework: The contribution of Frans Maurits Jaeger. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 1-3.	4.4	23

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19	Crystal structure of synthetic Al ₄ B ₂ O ₉ : A member of the mullite family closely related to boralsilite. American Mineralogist, 2008, 93, 918-927.	1.9	30
20	Empirical electronic polarizabilities in oxides, hydroxides, oxyfluorides, and oxychlorides. Physical Review B, 2006, 73, .	3.2	204
21	Refractive Index and Dispersion of Fluorides and Oxides. Journal of Physical and Chemical Reference Data, 2002, 31, 931-970.	4.2	170