Reinhard X Fischer

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3661345/publications.pdf

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21	632	1040056 9	713466 21
papers	citations	h-index	g-index

24	24	24	871
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Empirical electronic polarizabilities in oxides, hydroxides, oxyfluorides, and oxychlorides. Physical Review B, 2006, 73, .	3.2	204
2	Refractive Index and Dispersion of Fluorides and Oxides. Journal of Physical and Chemical Reference Data, 2002, 31, 931-970.	4.2	170
3	Empirical electronic polarizabilities of ions for the prediction and interpretation of refractive indices: Oxides and oxysalts. American Mineralogist, 2016, 101, 2288-2300.	1.9	67
4	Crystal structure of synthetic Al4B2O9: A member of the mullite family closely related to boralsilite. American Mineralogist, 2008, 93, 918-927.	1.9	30
5	Refractive indices of minerals and synthetic compounds. American Mineralogist, 2017, 102, 1906-1914.	1.9	26
6	A historical note on the sodalite framework: The contribution of Frans Maurits Jaeger. Microporous and Mesoporous Materials, 2008, 116, 1-3.	4.4	23
7	Elucidating structural order and disorder phenomena in mullite-type Al4B2O9 by automated electron diffraction tomography. Journal of Solid State Chemistry, 2017, 249, 114-123.	2.9	22
8	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. Chemistry of Materials, 2019, 31, 2401-2420.	6.7	22
9	POLARIO, a computer program for calculating refractive indices from chemical compositions. American Mineralogist, 2018, 103, 1345-1348.	1.9	13
10	Thermal microstructural changes of grain-supported limestones. Mineralogy and Petrology, 2011, 103, 9-17.	1.1	8
11	Synthesis and characterization of mullite-type (Al1-xGax)4B2O9. Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, 699-708.	0.8	8
12	A new mineral from the Bellerberg, Eifel, Germany, intermediate between mullite and sillimanite. American Mineralogist, 2015, 100, 1493-1501.	1.9	7
13	Empirical Electronic Polarizabilities: Deviations from the Additivity Rule. II. Structures Exhibiting Ion Conductivity. Crystal Research and Technology, 2019, 54, 1900037.	1.3	6
14	Gaps in cubic closest packing: from MgO via spinel to the pharmacosiderite crystal structure type. Mineralogy and Petrology, 2013, 107, 153-162.	1.1	5
15	Crystal Growth, Crystal Structure, Optical Properties, and Phase Transition of BaCaBO3F. Crystal Growth and Design, 2016, 16, 4411-4420.	3.0	5
16	Empirical electronic polarizabilities: deviations from the additivity rule. I. M2+SO4Â·nH2O, blÃ¶dite Na2M2+(SO4)2Â·4H2O, and kieserite-related minerals with sterically strained structures. Physics and Chemistry of Minerals, 2018, 45, 303-310.	0.8	5
17	High-pressure synthesis, long-term stability of single crystals of diboron trioxide, B2O3, and an empirical electronic polarizability of [3]B3+. Physics and Chemistry of Minerals, 2016, 43, 527-534.	0.8	4
18	High Pressure Behavior of 7:4 Mullite and Boronâ€Substituted Mullite: Compressibility and Mechanisms of Amorphization. Journal of the American Ceramic Society, 2014, 97, 2980-2989.	3.8	3

#	Article	IF	Citations
19	Synthesis, revised crystal structures, and refractive indices of ABW-type CsMTiO₄ (MÂ=ÂAl, Fe, Ga) and ANA-type CsTi_{1.10}Si_{1.90}O_{6.50}, and the determination of the electronic polarizability of 4-coordinated Ti⁴⁺. Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 533-551.	0.8	2
20	Atomic distributions in crystal structures solved by Boolean satisfiability techniques. Zeitschrift Fur Kristallographie - Crystalline Materials, 2016, 231, 107-111.	0.8	1
21	Verification and evaluation of site occupancies using Boolean satisfiability techniques. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s291-s291.	0.3	1