

Juerg Schefer

List of Publications by Year in descending order

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32
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860
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#	ARTICLE	IF	CITATIONS
1	Field-induced magnetic phases and electric polarization in LiNiPO_4 . Physical Review B, 2019, 99, 020407. Helical magnetic order and field-induced multiferroicity of the $\text{Co}_2\text{V}_2\text{O}_7$. Physical Review B, 2019, 99, 020408.	1.4	51
2	Y-type hexaferrite $\text{Ba}_2\text{Y}_2\text{Fe}_{14}\text{O}_{27}$. $\text{Sr}_2\text{Fe}_{14}\text{O}_{27}$.	1.1	47
3	Small-angle neutron scattering studies on Brij-58 micelles. The Journal of Physical Chemistry, 1988, 92, 729-732.	2.9	41
4	Orientalional disorder of the hydrogen dihydroxide anion, (OH_2^-) in sodium hydroxosodalite dihydrate $(\text{Na}_8[\text{Al}_6\text{Si}_6\text{O}_{24}](\text{OH})_2 \cdot 2\text{H}_2\text{O})$: single-crystal x-ray and powder neutron diffraction and MAS NMR and FT IR spectroscopy. The Journal of Physical Chemistry, 1992, 96, 392-397.	2.9	40
5	Magnetoelastic coupling in the triangular lattice antiferromagnet CuCrS_2 . Physical Review B, 2009, 80, 020407.	1.1	37
6	Characterization of sodium chloride crystals grown in microgravity. Journal of Crystal Growth, 2011, 324, 207-211.	0.7	35
7	On the role of lattice dynamics on low-temperature oxygen mobility in solid oxides: a neutron diffraction and first-principles investigation of La_2CuO_4 . Journal of Solid State Electrochemistry, 2011, 15, 357-366.	1.2	29
8	Reducing the positional modulation of NbO_6 -octahedra in $\text{Sr}_x\text{Ba}_{1-x}\text{Nb}_2\text{O}_6$ by increasing the barium content: A single crystal neutron diffraction study at ambient temperature for $x = 0.61$ and $x = 0.34$. Zeitschrift Fur Kristallographie - Crystalline Materials, 2008, 223, 399-426.	0.4	23
9	Magnetic structure and spin dynamics of the quasi-one-dimensional spin-chain antiferromagnet $\text{BaCo}_2\text{V}_2\text{O}_8$. Physical Review B, 2011, 83, .	1.1	23
10	Growth and characterization of large high quality brownmillerite $\text{CaFeO}_{2.5}$ single crystals. CrystEngComm, 2012, 14, 5771.	1.3	23
11	Structural Modulation and Phase Transitions in La_2CoO_4 . Investigated by Synchrotron X-ray and Neutron Single-Crystal Diffraction. Inorganic Chemistry, 2012, 51, 9789-9798.	1.9	22
12	Sodium aluminogermanate hydroxosodalite hydrate $\text{Na}_{6+x}[\text{Al}_6\text{Ge}_6\text{O}_{24}](\text{OH})_{x+1/2} \cdot n\text{H}_2\text{O}$ ($x \approx 1.6$, $n \approx 3.0$): Synthesis, phase transitions and dynamical disorder of the hydrogen dihydroxide anion, H_3O_2^+ , in the Cubic high-temperature form. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1993, 619, 1321-1329.	0.6	17
13	Small-angle neutron scattering from the reconstituted TF1 of H ⁺ -ATPase from thermophilic bacterium PS3 with deuterated subunits. Journal of Molecular Biology, 1990, 213, 289-302.	2.0	15
14	Dzyaloshinskii-Moriya interaction and the magnetic ground state in magnetoelectric LiCoPO_4 . Physical Review B, 2019, 99, .	1.1	14
15	Hydrogen bonding in coquimbite, nominally $\text{Fe}_2(\text{SO}_4)_3 \cdot 9\text{H}_2\text{O}$, and the relationship between coquimbite and paracoquimbite. Mineralogy and Petrology, 2010, 100, 241-248.	0.4	11
16	A neutron diffraction study of the $\hat{\rho}$ phase $\text{Ti}_9\text{Fe}_3(\text{Ti}_{0.7}\text{Fe}_{0.3})\text{O}_3$. Journal of the Less Common Metals, 1985, 113, 103-111.	0.9	9
17	Neutron photocrystallography: simulation and experiment. Zeitschrift Fur Kristallographie, 2008, 223, .	1.1	8
18	HEIMDAL: A thermal neutron powder diffractometer with high and flexible resolution combined with SANS and neutron imaging – Designed for materials science studies at the European Spallation Source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 828, 229-241.	0.7	8

#	ARTICLE	IF	CITATIONS
19	Interdependent scaling of long-range oxygen and magnetic ordering in nonstoichiometric $\text{Nd}_{1-x}\text{O}_x$ Structural disorder and magnetic correlations driven by oxygen doping in $\text{Nd}_{1-x}\text{O}_x$		
20	Ni_dO_2 Ni_dO_4		