

# Juerg Schefer

## List of Publications by Citations

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papers

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citations

12  
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19  
g-index

32  
ext. papers

450  
ext. citations

2.8  
avg, IF

2.55  
L-index

#	Paper	IF	Citations
30	Field-induced magnetic phases and electric polarization in LiNiPO <sub>4</sub> . <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	46
29	Heliconical magnetic order and field-induced multiferroicity of the Co <sub>2</sub> Y-type hexaferrite Ba <sub>0.3</sub> Sr <sub>1.7</sub> Co <sub>2</sub> Fe <sub>12</sub> O <sub>22</sub> . <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	41
28	Orientalional disorder of the hydrogen dihydroxide anion, (OH <sub>2</sub> ) <sup>-</sup> in sodium hydroxosodalite dihydrate (Na <sub>8</sub> [Al <sub>6</sub> Si <sub>6</sub> O <sub>24</sub> ](OH) <sub>2</sub> ·2H <sub>2</sub> O): single-crystal x-ray and powder neutron diffraction and MAS NMR and FT IR spectroscopy. <i>The Journal of Physical Chemistry</i> , <b>1992</b> , 96, 392-397		36
27	Small-angle neutron scattering studies on Brij-58 micelles. <i>The Journal of Physical Chemistry</i> , <b>1988</b> , 92, 729-732		36
26	Magnetoelastic coupling in the triangular lattice antiferromagnet CuCrS <sub>2</sub> . <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	29
25	On the role of lattice dynamics on low-temperature oxygen mobility in solid oxides: a neutron diffraction and first-principles investigation of ( $\text{La}_{1-x}\text{Ca}_x\text{Mg}_{1-x}\text{O}_{3-\delta}$ ). <i>Journal of Solid State Electrochemistry</i> , <b>2011</b> , 15, 357-366	2.6	26
24	Characterization of sodium chloride crystals grown in microgravity. <i>Journal of Crystal Growth</i> , <b>2011</b> , 324, 207-211	1.6	25
23	Magnetic structure and spin dynamics of the quasi-one-dimensional spin-chain antiferromagnet BaCo <sub>2</sub> V <sub>2</sub> O <sub>8</sub> . <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	22
22	Growth and characterization of large high quality brownmillerite CaFeO <sub>2.5</sub> single crystals. <i>CrystEngComm</i> , <b>2012</b> , 14, 5771	3.3	18
21	Reducing the positional modulation of NbO <sub>6</sub> -octahedra in Sr <sub>x</sub> Ba <sub>1-x</sub> Nb <sub>2</sub> O <sub>6</sub> by increasing the barium content: A single crystal neutron diffraction study at ambient temperature for x = 0.61 and x = 0.34. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , <b>2008</b> , 223, 399-426	1	18
20	Structural modulation and phase transitions in La <sub>2</sub> CoO <sub>4.14</sub> investigated by synchrotron X-ray and neutron single-crystal diffraction. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 9789-98	5.1	17
19	Sodium aluminogermanate hydroxosodalite hydrate Na <sub>6+x</sub> [Al <sub>6</sub> Ge <sub>6</sub> O <sub>24</sub> ](OH) <sub>x</sub> ·nH <sub>2</sub> O (x = 1.6, n = 3.0): Synthesis, phase transitions and dynamical disorder of the hydrogen dihydroxide anion, H <sub>3</sub> O <sub>2</sub> <sup>-</sup> in the Cubic high-temperature form. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>1993</b> , 619, 1321-1329	1.3	12
18	Small-angle neutron scattering from the reconstituted TF1 of H <sup>(+)</sup> -ATPase from thermophilic bacterium PS3 with deuterated subunits. <i>Journal of Molecular Biology</i> , <b>1990</b> , 213, 289-302	6.5	12
17	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. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2016</b> , 828, 229-241	1.2	8
16	A neutron diffraction study of the [phase Ti <sub>9</sub> Fe <sub>3</sub> (Ti <sub>0.7</sub> Fe <sub>0.3</sub> )O <sub>3</sub> . <i>Journal of the Less Common Metals</i> , <b>1985</b> , 113, 103-111		8
15	Dzyaloshinskii-Moriya interaction and the magnetic ground state in magnetoelectric LiCoPO <sub>4</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	7
14	Hydrogen bonding in coquimbite, nominally Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> ·9H <sub>2</sub> O, and the relationship between coquimbite and paracoquimbite. <i>Mineralogy and Petrology</i> , <b>2010</b> , 100, 241-248	1.6	7

13	Neutron photocrystallography: simulation and experiment. <i>Zeitschrift für Kristallographie</i> , <b>2008</b> , 223,		7
12	Competing Magnetic Anisotropy Fields and Double Polarization Flops in Multiferroic Mn <sub>1-x</sub> CoxWO <sub>4</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, 124716	1.5	6
11	Identification of single photoswitchable molecules in nanopores of silica xerogels using powder diffraction. <i>Journal of Applied Crystallography</i> , <b>2010</b> , 43, 1040-1045	3.8	6
10	Structural disorder and magnetic correlations driven by oxygen doping in Nd <sub>2</sub> NiO <sub>4+<math>\delta</math></sub> ( $\delta$ 0.11). <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	4
9	Crystal Growth with Oxygen Partial Pressure of the BaCuSi <sub>2</sub> O <sub>6</sub> and Ba <sub>1-x</sub> SrxCuSi <sub>2</sub> O <sub>6</sub> Spin Dimer Compounds. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 3416-3424	3.5	3
8	Interplay between structure and magnetism in the low-dimensional spin system: K(C <sub>8</sub> H <sub>16</sub> O <sub>4</sub> ) <sub>2</sub> CuCl <sub>3</sub> ·H <sub>2</sub> O. <i>CrystEngComm</i> , <b>2017</b> , 19, 1028-1034	3.3	2
7	Single-crystal and powder neutron diffraction study of the Fe-Mn <sub>1-x</sub> solid solutions. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 632, 563-567	5.7	2
6	Evidence for monoclinic distortion in the ground state phase of underdoped La <sub>1.95</sub> Sr <sub>0.05</sub> CuO <sub>4</sub> : A single crystal neutron diffraction study. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 123902	2.5	1
5	Interdependent scaling of long-range oxygen and magnetic ordering in nonstoichiometric Nd <sub>2</sub> NiO <sub>4.10</sub> . <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	1
4	Mixed system Cs <sub>3</sub> Cu <sub>3</sub> Cl <sub>8-x</sub> Br <sub>x</sub> OH with weakly connected Cu-triangles. <i>Journal of Physics and Chemistry of Solids</i> , <b>2020</b> , 140, 109386	3.9	
3	European Crystallographic Meeting in Basel, Switzerland. <i>Neutron News</i> , <b>2017</b> , 28, 4-5	0.4	
2	Position Sensitive Large Area Detectors: Key Hardware for Improving Neutron Instrumentation. <i>Neutron News</i> , <b>2005</b> , 16, 2-3	0.4	
1	Optical absorption spectroscopy in the metastable state S <sub>I</sub> of Na <sub>2</sub> [Fe(CN) <sub>5</sub> NO]·2H <sub>2</sub> O. <i>Materials Research Society Symposia Proceedings</i> , <b>2001</b> , 674, V2.5.1		