

Uwe Hoppe

List of Publications by Year in descending order

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26
papers

981
citations

516710

16
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

631
citing authors

#	ARTICLE	IF	CITATIONS
1	A structural model for phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 1996, 195, 138-147.	3.1	275
2	Structural specifics of phosphate glasses probed by diffraction methods: a review. <i>Journal of Non-Crystalline Solids</i> , 2000, 263-264, 29-47.	3.1	146
3	The oxygen coordination of metal ions in phosphate and silicate glasses studied by a combination of x-ray and neutron diffraction. <i>Physica Scripta</i> , 1995, T57, 122-126.	2.5	72
4	The structure of zinc polyphosphate glass studied by diffraction methods and ³¹ P NMR. <i>Journal of Non-Crystalline Solids</i> , 2004, 333, 252-262.	3.1	70
5	Environments of lead cations in oxide glasses probed by X-ray diffraction. <i>Journal of Non-Crystalline Solids</i> , 2003, 328, 146-156.	3.1	41
6	Variation in P-O Bonding in Phosphate Glasses -A Neutron Diffraction Study. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2000, 55, 369-380.	1.5	37
7	Structure of zinc phosphate glasses probed by neutron and X-ray diffraction of high resolving power and by reverse Monte Carlo simulations. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 1020-1031.	3.1	33
8	An X-ray Diffraction Study of the Structure of Vitreous P ₂ O ₅ . <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1998, 53, 93-104.	1.5	31
9	Lone-pair distribution and plumbite network formation in high lead silicate glass, 80PbO·20SiO ₂ . <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8506.	2.8	31
10	Neutron and X-ray Diffraction Study on the Structure of Ultraphosphate Glasses. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1997, 52, 259-269.	1.5	29
11	Structure of tellurite glasses—effects of K ₂ O or P ₂ O ₅ additions studied by diffraction. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 2365-2386.	1.8	29
12	Short-Range Order in KPO ₃ Glass Studied by Neutron and X-Ray Diffraction. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1996, 51, 179-186.	1.5	28
13	Structure of Nb ₂ O ₅ ·NaPO ₃ glasses by X-ray and neutron diffraction. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8520-8528.	2.8	24
14	Femtosecond laser-induced transformations in ultra-low expansion glass: Microstructure and local density variations by vibrational spectroscopy. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	21
15	The structure and properties of xZnO·(67-x)SnO·P ₂ O ₅ glasses: (I) optical and thermal properties, Raman and infrared spectroscopies. <i>Journal of Non-Crystalline Solids</i> , 2018, 484, 132-138.	3.1	20
16	The Structure of Gallium Phosphate Glasses by High-energy X-ray Diffraction. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2002, 57, 709-715.	1.5	17
17	Short-Range Order Details of Metaphosphate Glasses Studied by Pulsed Neutron Scattering. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1995, 50, 684-692.	1.5	14
18	The structure and properties of xZnO·(67-x)SnO· ³³ P ₂ O ₅ glasses: (III) Photoelastic behavior. <i>Journal of Non-Crystalline Solids</i> , 2018, 498, 173-176.	3.1	14

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19	On the intermediate range structure in phosphate glasses. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1996, 100, 1631-1634.	0.9	12
20	The structure and properties of $x\text{ZnO} \cdot (67-x)\text{SnO} \cdot 33\text{P}_2\text{O}_5$ glasses: (II) Diffraction, NMR, and chromatographic studies. Journal of Non-Crystalline Solids, 2018, 492, 68-76.	3.1	12
21	Structure of Zinc Phosphate Glasses of 75 and 80 mole% ZnO Content Studied by X-Ray Diffraction and Reverse Monte Carlo Simulations. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2005, 60, 517-526.	1.5	10
22	Structural units of binary vanadate glasses by X-ray and neutron diffraction. Journal of Non-Crystalline Solids, 2021, 572, 121120.	3.1	10
23	Structure of silver molybdate glasses by X-ray and neutron diffraction. Journal of Non-Crystalline Solids, 2021, 573, 121143.	3.1	2
24	Structure of binary antimony phosphate glasses by diffraction methods. Journal of Non-Crystalline Solids, 2022, 583, 121476.	3.1	2
25	Structure of tin phosphate glasses by neutron and X-ray diffraction. Journal of Non-Crystalline Solids: X, 2019, 2, 100017.	1.2	1
26	METAL-OXYGEN COORDINATION NUMBERS IN BINARY POLYPHOSPHATE GLASSES-A DIFFRACTION STUDY. Phosphorus Research Bulletin, 2002, 13, 131-136.	0.6	0