

Paweł, Piszora

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion in drinking water pipes: The importance of green rusts. <i>Water Research</i> , 2012, 46, 1-10.	5.3	95
2	Vibrational spectra of lithium ferrites: infrared spectroscopic studies of Mn-substituted LiFe ₅ O ₈ . <i>Solid State Sciences</i> , 2001, 3, 503-507.	0.8	59
3	Computer Modeling Study of the Lithium Ion Distribution in Quaternary Li ⁺ Mn ²⁺ Fe ³⁺ O Spinel. <i>Journal of Solid State Chemistry</i> , 2000, 153, 310-316.	1.4	40
4	Effect of Gamma Irradiation on Cement Composites Observed with XRD and SEM Methods in the Range of Radiation Dose 0-1409 MGy. <i>Acta Physica Polonica A</i> , 2008, 114, 399-411.	0.2	37
5	Thermal expansion of spinel-type Si ₃ N ₄ . <i>Physical Review B</i> , 2004, 69, .	1.1	31
6	X-ray powder diffraction study of cation distribution and the Fd _{3m} P4132 symmetry reduction in Li _{0.5} Fe _{2.5} O ₄ /LiMn ₂ O ₄ spinel solid solutions. <i>Journal of Alloys and Compounds</i> , 1999, 286, 203-207.	2.8	30
7	Mn ₃ O ₄ under High Pressure and Temperature: Thermal Stability, Polymorphism, and Elastic Properties. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23487-23494.	1.5	30
8	Structural and magnetic properties of the iron substituted lithium-manganese spinel oxides. <i>Solid State Sciences</i> , 2006, 8, 31-36.	1.5	19
9	Unusual Compressional Behavior of Lithium-Manganese Oxides: A Case Study of Li ₄ Mn ₅ O ₁₂ . <i>Journal of Physical Chemistry C</i> , 2012, 116, 17872-17879.	1.5	18
10	Equation of state and electronic properties of EuVO ₄ : A high-pressure experimental and computational study. <i>Journal of Alloys and Compounds</i> , 2015, 648, 1005-1016.	2.8	17
11	Temperature dependence of the order and distribution of Mn ³⁺ and Mn ⁴⁺ cations in orthorhombic LiMn ₂ O ₄ . <i>Journal of Alloys and Compounds</i> , 2004, 382, 112-118.	2.8	16
12	Synchrotron X-ray powder diffraction studies on the phase transitions in LiMn ₂ O ₄ . <i>Journal of Alloys and Compounds</i> , 2004, 362, 231-235.	2.8	16
13	Inequality of quenched and high temperature structure of lithium deficient LiMn ₂ O ₄ . <i>Journal of Alloys and Compounds</i> , 2005, 401, 34-40.	2.8	15
14	Thermal expansion of CuInSe ₂ in the 11-1,073 ÅK range: an X-ray diffraction study. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 767-780.	1.1	15
15	X-ray diffraction studies on the nature of the phase transition in the stoichiometric LiMn ₂ O ₄ . <i>Journal of Alloys and Compounds</i> , 2004, 382, 119-122.	2.8	14
16	Synchrotron X-ray powder diffraction studies on the order-disorder phase transition in lithium ferrites. <i>Journal of Alloys and Compounds</i> , 2005, 401, 60-63.	2.8	14
17	Structures of Quenched Li _x Mn _{3-x} O ₄ Spinel. <i>Chemistry of Materials</i> , 2006, 18, 4802-4807.	3.2	13
18	X-ray powder diffraction and Mössbauer studies on the formation of Cd _{0.5} Ni _{0.5} Fe ₂ O ₄ /Zn _{0.5} Ni _{0.5} Fe ₂ O ₄ spinel solid solutions. <i>Solid State Sciences</i> , 1999, 1, 187-192.	0.8	12

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19	Equation of state of CaMnO ₃ : a combined experimental and computational study. Applied Physics A: Materials Science and Processing, 2013, 112, 839-845.	1.1	12
20	Hooked on switch: strain-managed cooperative Jahn-Teller effect in Li _{0.95} Mn _{2.05} O ₄ spinel. RSC Advances, 2014, 4, 65205-65212.	1.7	12
21	Relationship of crystal structure to interionic interactions in the lithium-manganese spinel oxides. Computers & Chemistry, 2000, 24, 609-613.	1.2	11
22	Synchrotron X-ray diffraction studies on the phase transitions in the spinel Li _x Mn _{3-x} O ₄ intercalation compounds. Journal of Physics and Chemistry of Solids, 2004, 65, 223-227.	1.9	11
23	Electrochemical reactivity of Li-Mn-O and Li-Fe-Mn-O spinels. Journal of Solid State Electrochemistry, 2001, 5, 487-494.	1.2	10
24	Observation of phase transformations in LiMn ₂ O ₄ under high pressure and at high temperature by in situ X-ray diffraction measurements. Radiation Physics and Chemistry, 2011, 80, 1014-1018.	1.4	10
25	Determination of solid solution limits based on the thermal behaviour of aluminium substituted iron hydroxides and oxides. Journal of Thermal Analysis, 1992, 38, 2115-2122.	0.7	9
26	Synchrotron X-ray diffraction studies of LiMn ₂ O ₄ and Li ₄ Mn ₅ O ₁₂ structures at high pressure. Radiation Physics and Chemistry, 2009, 78, S89-S92.	1.4	9
27	Synthesis and characterization of the lithium-deficient Fe-substituted Li-Mn oxide spinel phases. Materials Letters, 2004, 58, 1321-1326.	1.3	8
28	High-pressure metaelastic properties of Li _x Mn _{3-x} O ₄ (x = 0.87, 0.94, 1.00). Journal of Materials Chemistry, 2008, 18, 2447.	6.7	8
29	Effect of an Excess of Lithium Ions on the Formation of Mn-Substituted Li _{1-x} Fe _{5-x} O ₈ with an Ordered Spinel Structure. Materials Science Forum, 2001, 378-381, 551-556.	0.3	6
30	Characterization of chemical and physical parameters of post copper slag. Open Physics, 2011, 9, 380-386.	0.8	6
31	Mechanism of Al ³⁺ for Fe-substitution during the $\hat{1}\pm$ -(Fe, Al) OOH $\hat{1}^3$ -(Fe, Al) ₂ O ₃ transformation. Solid State Ionics, 1994, 70-71, 537-541.	1.3	5
32	Effect of the anionic sublattice hydroxylation on the goethite $\hat{1}^+$ maghemite transformation in the Al _x Fe _{1-x} OOH system. Materials Letters, 1994, 21, 191-195.	1.3	5
33	Ferrimagnetic spinels in hydrothermal and thermal treatment of Mn _x Fe _{2-x} (OH) _{6-x} . Journal of Thermal Analysis, 1997, 48, 247-258.	0.7	5
34	Synchrotron X-ray wavelength calibration using a diamond internal standard: application to low-temperature thermal-expansion studies. Journal of Alloys and Compounds, 2004, 382, 107-111.	2.8	5
35	High-Pressure Energy Dispersive X-Ray Diffraction Investigation of Lithium-Manganese Spinel. Solid State Phenomena, 0, 130, 69-72.	0.3	5
36	Structure refinement of quaternary spinel oxides $\hat{1}$ experiments and modelling. Computers & Chemistry, 2000, 24, 603-607.	1.2	4

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37	X-Ray Powder Diffraction Study on the Solubility Limits in the Goethite-Diaspore Solid Solutions. <i>Materials Science Forum</i> , 1998, 278-281, 584-588.	0.3	3
38	Distribution and Ordering of Lithium Ions in the Spinel Solid Solutions of $\text{Li}_{0.5}\text{Fe}_{2.5}\text{O}_4$ and LiMn_2O_4 . <i>Materials Science Forum</i> , 2000, 321-324, 796-801.	0.3	3
39	High resolution diffraction studies with synchrotron radiation on the structure of $\text{Li}_{0.95}\text{Mn}_{2.05}\text{O}_4$ spinel. <i>Journal of Alloys and Compounds</i> , 2005, 401, 55-59.	2.8	3
40	Thermal expansion of polycrystalline gallium nitride: an X-ray diffraction study. <i>X-Ray Spectrometry</i> , 2015, 44, 382-388.	0.9	3
41	$\text{Li}_{0.5}\text{Ni}_{0.5}\text{Mn}_2\text{O}_4$ spinel: Its synthesis, structure and high pressure properties. <i>Journal of Alloys and Compounds</i> , 2017, 722, 452-457.	2.8	3
42	Insights into Polymorphism of Lithium Manganese Oxide, $\text{Li}_{0.95}\text{Mn}_{2.05}\text{O}_4$: A Comprehensive Survey of the High-Pressure Properties. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19288-19297.	1.5	3
43	Synthetic solid solutions formed between goethite and diaspore. <i>Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science</i> , 1992, 155, 479-482.	0.4	2
44	Hydrothermal conversion of amorphous $\text{NiFe}_2\text{xAlx}(\text{OH})_8$ into crystalline phases. <i>Journal of Materials Chemistry</i> , 1996, 6, 1701-1707.	6.7	2
45	Silver behenate under high pressure: A powder diffraction study. <i>Radiation Physics and Chemistry</i> , 2009, 78, S105-S108.	1.4	2
46	Reasons for the lack of chemical stability of treated water rich in magnesium. <i>Water Research</i> , 2011, 45, 6585-6592.	5.3	2
47	A cast iron filings based model for dynamic investigation of corrosion and its compatibility with the real water distribution network. <i>Desalination and Water Treatment</i> , 2016, 57, 8139-8151.	1.0	2
48	Lattice Parameter of Polycrystalline Diamond in the Low-Temperature Range. <i>Acta Physica Polonica A</i> , 2010, 117, 323-327.	0.2	2
49	X-Ray Powder Diffraction Study on the Al-for-Fe Substitution in Nickel Ferrite and Cadmium-Nickel Ferrites. <i>Materials Science Forum</i> , 2000, 321-324, 823-827.	0.3	1
50	X-Ray Diffraction Studies on the Nature of the Phase Transition in the Stoichiometric LiMn_2O_4 . <i>ChemInform</i> , 2005, 36, no.	0.1	0
51	High-pressure structure and compressibility of $\text{ZnAl-CO}_3\text{LDHs}$. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s204-s204.	0.3	0
52	Structure refinement of SmVO_4 at pressures ranging to 10 GPa. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, s475-s475.	0.3	0