Cora Lind

List of Publications by Year
in descending order

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66 papers	2,676 citations	201674 27 h-index	182427 51 g-index
73 all docs	73 docs citations	73 times ranked	2951 citing authors

#	Article	IF	Citations
1	Suppression of phase-transition temperature in aluminium indium tungstate and aluminium indium molybdate. Journal of Applied Crystallography, 2022, 55, 851-859.	4.5	0
2	Thermal Expansion Behavior in the A2M3O12 Family of Materials. Solids, 2021, 2, 87-107.	2.4	31
3	Inviting others to life in reciprocal space. Structural Dynamics, 2021, 8, 020403.	2.3	1
4	Low temperature synthesis of nanocrystalline V2O5 using the non-hydrolytic solâ€“gel method. Journal of Sol-Gel Science and Technology, 2019, 89, 663-671.	2.4	5
5	High Pressure Behavior of Chromium and Yttrium Molybdate (Cr2Mo3O12, Y2Mo3O12). Frontiers in Chemistry, 2018, 6, 478.	3.6	3
6	An in depth study of solvent effects on yield and average molecular weight in poly(3-hexylthiophene). Polymer, 2017, 115, 21-27.	3.8	4
7	Surface modification of ZrW₂O₈ and ZrW₂O₇(OH)Â·2H₂O by in situ polymerization: Enhanced filler particles for use in composites. Polymer Composites, 2016, 37, 1359-1368.	4.6	3
8	Extremely Low Temperature Crystallization in the A₂M₃O₁₂ Family of Negative Thermal Expansion Materials. European Journal of Inorganic Chemistry, 2016, 2016, 1251-1256.	2.0	13
9	Hydrate Networks under Mechanical Stress - A Case Study for Co3(PO4)2Â·8H2O. European Journal of Inorganic Chemistry, 2016, 2016, 2072-2081.	2.0	15
10	High pressure studies of A2Mo3O12 negative thermal expansion materials (A2=Al2, Fe2, FeAl, AlGa). Journal of Solid State Chemistry, 2016, 237, 121-128.	2.9	2
11	â€œNon-hydrolyticâ€•solâ€“gel synthesis of molybdenum sulfides. Journal of Solid State Chemistry, 2016, 242, 175-181.	2.9	8
12	Low Temperature Synthesis and Characterization of AlScMo3O12. Materials, 2015, 8, 700-716.	2.9	18
13	Non-hydrolytic solâ€“gel synthesis of tantalum sulfides. Journal of Sol-Gel Science and Technology, 2014, 69, 596-604.	2.4	6
14	Phase selective synthesis of copper sulfides by non-hydrolytic solâ€“gel methods. RSC Advances, 2014, 4, 717-726.	3.6	21
15	The Materials Genome Initiative, the interplay of experiment, theory and computation. Current Opinion in Solid State and Materials Science, 2014, 18, 99-117.	11.5	160
16	Study of B1 (NaCl-type) to B2 (CsCl-type) pressure-induced structural phase transition in BaS, BaSe and BaTe usingab initiocomputations. Journal of Physics Condensed Matter, 2013, 25, 075401.	1.8	8
17	Two Decades of Negative Thermal Expansion Research: Where Do We Stand?. Materials, 2012, 5, 1125-1154.	2.9	281
18	Preparation and properties of polyimide nanocomposites with negative thermal expansion nanoparticle filler. Materials Chemistry and Physics, 2012, 137, 448-457.	4.0	22

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19	In-situ non-ambient X-ray diffraction studies of indium tungstate. Journal of Solid State Chemistry, 2012, 187, 195-199.	2.9	10
20	Zirconium tungstate/polymer nanocomposites: Challenges and opportunities. Physica Status Solidi (B): Basic Research, 2011, 248, 123-129.	1.5	59
21	Efforts to enhance coverage of crystallography in United States secondary education. Journal of Applied Crystallography, 2010, 43, 1181-1188.	4.5	3
22	Autohydration of Nanosized Cubic Zirconium Tungstate. Journal of the American Chemical Society, 2010, 132, 8278-8279.	13.7	31
23	Novel Materials through Non-Hydrolytic Sol-Gel Processing: Negative Thermal Expansion Oxides and Beyond. Materials, 2010, 3, 2567-2587.	2.9	36
24	In situhigh-pressure synchrotron x-ray diffraction study of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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37	Pressure-induced amorphization of cubic ZrMo2O8 studied in situ by X-ray absorption spectroscopy and diffraction. Solid State Communications, 2005, 135, 739-744.	1.9	15
38	High pressure synchrotron x-ray powder diffraction study of Sc2Mo3O12and Al2W3O12. Journal of Physics Condensed Matter, 2005, 17, 4271-4283.	1.8	45
39	In situhigh-pressure synchrotron x-ray diffraction study ofSc2W3O12at up to 10 GPa. Physical Review B, 2005, 71, .	3.2	28
40	Pressure-induced amorphization of cubicZrW2O8studiedin situandex situby synchrotron x-ray diffraction and absorption. Physical Review B, 2005, 72, .	3.2	40
41	Negative thermal expansion in cubicZrMo2O8: Inelastic neutron scattering and lattice dynamical studies. Physical Review B, 2004, 70, .	3.2	41
42	Surface Treatment Effects on the Electrocatalytic Activity and Characterization of Intermetallic Phases. Journal of the Electrochemical Society, 2004, 151, A971.	2.9	79
43	An Addition to the Oxoacid Family: H2B12(OH)12.. ChemInform, 2004, 35, no.	0.0	0
44	An Addition to the Oxoacid Family:Â H2B12(OH)12. Inorganic Chemistry, 2004, 43, 3786-3788.	4.0	6
45	Electrocatalytic Activity of Ordered Intermetallic Phases for Fuel Cell Applications. Journal of the American Chemical Society, 2004, 126, 4043-4049.	13.7	485
46	Reactions of alkaline earth metals and nitrogen in sealed niobium ampoules: the formation of MgZn2 type intermetallic phases in the presence of nitrogen and the new compound Ba5[NbN4]N. Journal of Alloys and Compounds, 2004, 384, 98-105.	5.5	25
47	Electrocatalytic Oxidation of Formic Acid at an Ordered Intermetallic PtBi Surface. ChemPhysChem, 2003, 4, 193-199.	2.1	174
48	Synthesis, Thermal and X-Ray Investigations of the High-Temperature Phase of Copper(I) Cyanide.. ChemInform, 2003, 34, no.	0.0	0
49	Heat capacities, third-law entropies and thermodynamic functions of the negative thermal expansion materials, cubic Î±-ZrW2O8 and cubic ZrMo2O8, from K. Journal of Chemical Thermodynamics, 2003, 35, 919-937.	2.0	35
50	Synthesis, Thermal and X-Ray Investigations of the High-Temperature Phase of Copper(I) Cyanide. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2003, 58, 155-158.	0.7	26
51	Preparation, Transport Properties, and Structure Analysis by Resonant X-ray Scattering of the Type I Clathrate Cs8Cd4Sn42. Chemistry of Materials, 2002, 14, 1300-1305.	6.7	53
52	Kinetics of the cubic to trigonal transformation in ZrMo2O8 and their dependence on precursor chemistry. Journal of Materials Chemistry, 2002, 12, 990-994.	6.7	20
53	Seeding and the Non-Hydrolytic Sol-Gel Synthesis of ZrW2O8 and ZrMo2O8. Journal of Sol-Gel Science and Technology, 2002, 25, 51-56.	2.4	27
54	Preparation of the negative thermal expansion material cubic ZrMo2O8. Journal of Materials Chemistry, 2001, 11, 3354-3359.	6.7	65

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55	New High-Pressure Form of the Negative Thermal Expansion Materials Zirconium Molybdate and Hafnium Molybdate. Chemistry of Materials, 2001, 13, 487-490.	6.7	69
56	Raman Spectroscopy Detects Carotenoid Levels in Human Retina. MRS Bulletin, 2001, 26, 278-279.	3.5	0
57	Mapping the Distribution of Corrosion Products in Cement Exposed to Sulfate using Energy Dispersive X-ray Diffraction. Materials Research Society Symposia Proceedings, 2001, 678, 531.	0.1	1
58	Generalized Titanate Ceramic Waste Form Developed for Processing Radioactive Waste with Various Compositions. MRS Bulletin, 2001, 26, 597-601.	3.5	0
59	DISORDER IN CLATHRATE THERMOELECTRICS. , 2001, , .		0
60	Abnormal Oxidation of TiSi₂ in Gate Stacks Found at 750â€“850Â°C. MRS Bulletin, 2000, 25, 10-10.	3.5	1
61	X-ray Diffraction and X-ray Absorption Spectroscopy Studies of Solâˆ’Gel-Processed Zirconium Titanates. Chemistry of Materials, 2000, 12, 3347-3355.	6.7	35
62	Structural analysis of Sr8Ga16Ge30 clathrate compound. Journal of Applied Physics, 2000, 87, 1529-1533.	2.5	40
63	Electrochemical Reduction in Alkaline Electrolyte Removes CuS Phase to Form CuInS2-Based Solar Cells. MRS Bulletin, 2000, 25, 4-5.	3.5	3
64	A New Polymorph of ZrW2O8 Prepared Using Nonhydrolytic Solâˆ’Gel Chemistry. Chemistry of Materials, 1999, 11, 101-108.	6.7	53
65	Synthesis and Properties of the Negative Thermal Expansion Material Cubic ZrMo2O8. Chemistry of Materials, 1998, 10, 2335-2337.	6.7	177
66	One-pot in situ synthesis of poly(3-hexylthiophene)/vanadium oxide composites. Polymer Bulletin, 0, , 1.	3.3	0