Charles H Hervoches

List of Publications by Year
in descending order

30 papers	1,179 citations	516710 16 h-index	477307 29 g-index
34 all docs	34 docs citations	34 times ranked	1227 citing authors

#	Article	IF	Citations
1	A Variable-Temperature Powder Neutron Diffraction Study of Ferroelectric Bi4Ti3O12. Chemistry of Materials, 1999, 11, 3359-3364.	6.7	205
2	Structural Behavior of the Four-Layer Aurivillius-Phase Ferroelectrics SrBi4Ti4O15 and Bi5Ti3FeO15. Journal of Solid State Chemistry, 2002, 164, 280-291.	2.9	195
3	Ferroelectric phase transitions inSrBi2Nb2O9andBi5Ti3FeO15:â€ƒA powder neutron diffraction study. Physical Review B, 2003, 67, .	3.2	112
4	Complete structural model for lanthanum tungstate: a chemically stable high temperature proton conductor by means of intrinsic defects. Journal of Materials Chemistry, 2012, 22, 1762-1764.	6.7	91
5	Cation Disorder in Three-Layer Aurivillius Phases: Structural Studies of Bi2â^'xSr2+xTi1â^'xNb2+xO12 (0<x<0.8) and Bi4â^'xLaxTi3O12 (x=1 and 2). Journal of Solid State Chemistry, 2000, 153, 66-73.	2.9	88
6	Two high-temperature paraelectric phases inSr0.85Bi2.1Ta2O9. Physical Review B, 2001, 64, .	3.2	68
7	Dielectric properties and structure of Bi4NbO8Cl and Bi4TaO8Cl. Journal of Materials Chemistry, 2001, 11, 1141-1145.	6.7	51
8	Study of structure and residual stresses in cold rotary swaged tungsten heavy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 704, 25-31.	5.6	44
9	In situ high temperature powder neutron diffraction study of undoped and Ca-doped La_{28â^'x}W_{4+x}O_{54+3x/2}(x = 0.85). Journal of Materials Chemistry A, 2013, 1, 3774-3782.	10.3	36
10	Synthesis by the polymeric precursor technique of Bi2Co0.1V0.9O5.35 and electrical properties dependence on the crystallite size. Solid State Sciences, 2004, 6, 173-177.	3.2	31
11	Correlation of Magnetic Properties and Residual Stress Distribution Monitored by X-Ray and Neutron Diffraction in Welded AISI 1008 Steel Sheets. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	30
12	The crystal structures of BiTeO3I, NdTeO3X (X=Cl, Br) and Bi5TeO8.5I2: some crystal chemistry peculiarities of layered Bi(Ln)î—¸Te oxyhalides. Solid State Sciences, 2000, 2, 553-562.	3.2	29
13	Crystal structure and magnetic properties of the solid-solution phase Ca3Co2â€“vMnvO6. Journal of Solid State Chemistry, 2009, 182, 331-338.	2.9	29
14	High-Entropy NASICON Phosphates (Na₃M₂(PO₄)₃ and) Tj ETQq0 0 0 rgBT /Overlo Inorganic Chemistry, 2022, 61, 4092-4101.	4.0	23
15	Structure and magnetism of rare-earth-substituted Ca3Co2O6. Journal of Solid State Chemistry, 2007, 180, 628-635.	2.9	21
16	Crystal structure and oxide ion conductivity in cubic (disordered) and tetragonal (ordered) phases of Bi25Ln3Re2O49 (Ln = La, Pr). Journal of Materials Chemistry, 2010, 20, 6759.	6.7	21
17	Formation enthalpies and thermodynamics of some reactions of the Bi12.5R1.5ReO24.5 (R=Y, Nd, La) compounds. Thermochimica Acta, 2011, 513, 124-127.	2.7	16
18	Nitrogen and hydrogen defect equilibria in Ca12Al14O33: a combined experimental and computational study. Journal of Materials Chemistry, 2012, 22, 15828.	6.7	14

#	Article	IF	Citations
19	Correlating Microstrain and Activated Slip Systems with Mechanical Properties within Rotary Swaged WNiCo Pseudoalloy. Materials, 2020, 13, 208.	2.9	14
20	Variable temperature neutron diffraction study of Bi3ReO8 oxide ion conductor. Solid State Ionics, 2012, 217, 46-53.	2.7	9
21	Variable temperature neutron diffraction study of crystal structure and transport pathways in oxide ion conductors Bi12.5Ln1.5ReO24.5 (Ln=Lu, Er). Solid State Ionics, 2014, 254, 1-5.	2.7	9
22	Structure and transport properties in un-doped and acceptor-doped gadolinium tungstates. Solid State Ionics, 2014, 261, 87-94.	2.7	8
23	Neutron Diffraction Study of Residual Stresses in a Wâ€“Niâ€“Co Heavy Alloy Processed by Rotary Swaging at Room and High Temperatures. Metals and Materials International, 2022, 28, 919-930.	3.4	8
24	Crystal structure and magnetic properties of the solid-solution phase Ca3Co2â^'vScvO6. Journal of Solid State Chemistry, 2007, 180, 834-839.	2.9	7
25	Characterization of the Microstructure, Local Macro-Texture and Residual Stress Field of Commercially Pure Titanium Grade 2 Prepared by CONFORM ECAP. Metals, 2018, 8, 1000.	2.3	7
26	Upgrade of detectors of neutron instruments at Neutron Physics Laboratory in Å˜eÅ¾. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 841, 5-11.	1.6	4
27	Assessment of Retained Austenite in Fine Grained Inductive Heat Treated Spring Steel. Materials, 2019, 12, 4063.	2.9	4
28	A Study of Progressive Milling Technology on Surface Topography and Fatigue Properties of the High Strength Aluminum Alloy 7475-T7351. , 2018, , 7-17.		1
29	Residual Stress Distribution Analysis in Advanced Materials by Neutron Diffraction: The Case of Spherical Storage Tank Butt Weld. MATEC Web of Conferences, 2019, 253, 01005.	0.2	1
30	REAL STRUCTURE AND RESIDUAL STRESSES IN ADVANCED WELDS DETERMINED BY X-RAY AND NEUTRON DIFFRACTION. Acta Polytechnica CTU Proceedings, 0, 9, 32.	0.3	0