

François Goutenoire

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,530
citations

687363

13
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1068
citing authors

#	ARTICLE	IF	CITATIONS
1	Designing fast oxide-ion conductors based on La ₂ Mo ₂ O ₉ . Nature, 2000, 404, 856-858.	27.8	668
2	Crystal Structure of La ₂ Mo ₂ O ₉ , a New Fast Oxide Ion Conductor. Chemistry of Materials, 2000, 12, 2575-2580.	6.7	291
3	Effects of Partial Substitution of Mo ⁶⁺ by Cr ⁶⁺ and W ⁶⁺ on the Crystal Structure of the Fast Oxide-Ion Conductor Structural Effects of W ⁶⁺ . Chemistry of Materials, 2005, 17, 4678-4684.	6.7	110
4	Reducibility of fast oxide-ion conductors La _{2-x} R _x Mo _{2-y} WyO ₉ (R = Nd, Gd). Journal of Materials Chemistry, 2003, 13, 2317-2321.	6.7	98
5	Sintering and electrical conductivity in fast oxide ion conductors La _{2-x} R _x Mo _{2-y} WyO ₉ (R: Nd, Gd, Y). Journal of the European Ceramic Society, 2005, 25, 3619-3627.	5.7	74
6	Synthesis and Characterization of the Anionic Conductor System La ₂ Mo ₂ O _{9-0.5x} F _x (x= 0.02-0.30). Chemistry of Materials, 2002, 14, 2492-2498.	6.7	57
7	Study of modified gypsum binder. Construction and Building Materials, 2017, 149, 535-542.	7.2	49
8	Crystal structure of lanthanum bismuth silicate Bi _{2-x} La _x SiO ₅ (x=1/4, 0.1). Journal of Solid State Chemistry, 2006, 179, 4020-4028.	2.9	36
9	La ₁₀ W ₂ O ₂₁ : An Anion-Deficient Fluorite-Related Superstructure with Oxide Ion Conduction. Inorganic Chemistry, 2014, 53, 147-159.	4.0	24
10	Synthesis and Structure Determination of the High Temperature Form of La ₂ WO ₆ . Crystal Growth and Design, 2011, 11, 5105-5112.	3.0	20
11	Neutron Powder Diffraction, Multinuclear, and Multidimensional NMR Structural Investigation of Pb ₅ Ga ₃ F ₁₉ . Inorganic Chemistry, 2008, 47, 10895-10905.	4.0	19
12	Controllable microstructure tailoring for regulating conductivity in Al-doped ZnO ceramics. Journal of the European Ceramic Society, 2020, 40, 349-354.	5.7	19
13	Structure Determination of La ₁₈ W ₁₀ O ₅₇ . Inorganic Chemistry, 2009, 48, 6566-6572.	4.0	15
14	Supramolecular architecture based on [Fe(CN) ₆] ³⁻ metallotectons and melaminium synthons. Journal of Molecular Structure, 2017, 1146, 409-416.	3.6	11
15	Lattice Dynamics of ¹²⁵ SnWO ₄ : Experimental and Ab Initio Calculations. Journal of Physical Chemistry C, 2013, 117, 5301-5313.	3.1	10
16	Effect of additives SiC on the hydration and the crystallization processes of gypsum. Construction and Building Materials, 2020, 235, 117479.	7.2	10
17	Ab Initio Structure Determination of La ₃₄ Mo ₈ O ₇₅ Using Powder X-ray and Neutron Diffraction Data. Crystal Growth and Design, 2019, 19, 6074-6081.	3.0	9
18	Design of lanthanide metal organic frameworks incorporating dicarboxylate ligands. Journal of Porous Materials, 2019, 26, 1679-1689.	2.6	4

#	ARTICLE	IF	CITATIONS
19	Supramolecular and heterometallic architectures based on [Fe(CN) ₆] ³⁻ metallotectons and diverse organic cations: Crystal structure, Hirshfeld surface analysis, spectroscopic and thermal properties. <i>Inorganica Chimica Acta</i> , 2019, 486, 36-47.	2.4	4
20	Room-temperature synthesis of a new stable (N ₂ H ₄) ₃ WO ₃ compound: a route for hydrazine trapping. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 127-133.	1.1	2
21	Partial re-investigation of the ternary diagram La ₂ O ₃ –Nb ₂ O ₅ –CaO, synthesis and characterization of the Ca ₂ La ₃ Nb ₃ O ₁₄ and Ca ₈ La ₈ Nb _{14.4} –1.6O ₅₆ compounds. <i>Journal of Solid State Chemistry</i> , 2022, 314, 123390.	2.9	0