

Frédéric Lemoigno

List of Publications by Year in descending order

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19
papers

704
citations

623574

14
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20
all docs

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docs citations

20
times ranked

1214
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of polymorphism on the electrochemical behavior of M Sb negative electrodes in Li/Na batteries. <i>Journal of Power Sources</i> , 2015, 280, 695-702.	4.0	21
2	New Insights on the Reversible Lithiation Mechanism of TiO ₂ (B) by Operando X-ray Absorption Spectroscopy and X-ray Diffraction Assisted by First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27210-27218.	1.5	23
3	Origin of the 3.6 V to 3.9 V voltage increase in the LiFeSO ₄ F cathodes for Li-ion batteries. <i>Energy and Environmental Science</i> , 2012, 5, 9584.	15.6	58
4	Interplay between Magnetic and Orbital Ordering in the Strongly Correlated Cobalt Oxide: A DFT Study. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21750-21756.	1.5	32
5	Updated references for the structural, electronic, and vibrational properties of TiO ₂ (B) bulk using first-principles density functional theory calculations. <i>Journal of Chemical Physics</i> , 2009, 130, 204501.	1.2	99
6	Redox mechanism in the NiP ₂ electrode for Li-ion batteries: A DFT study coupled with local chemical bond analyses. <i>Ionics</i> , 2008, 14, 197-202.	1.2	8
7	Chimie Douce Route to Sodium Hydroxo Titanate Nanowires with Modulated Structure and Conversion to Highly Photoactive Titanium Dioxides. <i>Chemistry of Materials</i> , 2008, 20, 7228-7236.	3.2	50
8	Atomistic study of structural, elastic, electronic and thermal properties of perovskites Ba(Ti,Zr,Nb)O ₃ . <i>Computational Materials Science</i> , 2007, 39, 896-902.	1.4	40
9	Redox-Induced Structural Change in Anode Materials Based on Tetrahedral (MPn ₄) ^x - Transition Metal Pnictides. <i>Chemistry of Materials</i> , 2004, 16, 1002-1013.	3.2	63
10	Lithium insertion/deinsertion mechanisms in the transition metal pnictides Li _x MPn ₄ . <i>Ionics</i> , 2003, 9, 56-63.	1.2	9
11	The Li _x VPn ₄ Ternary Phases (Pn = P, As): Rigid Networks for Lithium Intercalation/Deintercalation.. <i>ChemInform</i> , 2003, 34, no-no.	0.1	0
12	The Li _x VPn ₄ Ternary Phases (Pn = P, As): Rigid Networks for Lithium Intercalation/Deintercalation. <i>Chemistry of Materials</i> , 2002, 14, 4126-4133.	3.2	61
13	Density functional theory analysis of the local chemical bonds in the periodic tantalum dichalcogenides TaX ₂ (X=S, Se, Te). <i>Journal of Chemical Physics</i> , 2000, 113, 5879-5890.	1.2	29
14	Nitrido Dimers and Trimers of Tungsten Supported by tBuMe ₂ SiO and CF ₃ Me ₂ CO Ligands, Respectively. Factors Influencing the Reductive Cleavage of Nitriles by Tungsten-Tungsten Triple Bonds and An Analysis of the Structure of the Cyclo trimer. <i>Chemistry - A European Journal</i> , 1999, 5, 2318-2326.	1.7	42
15	Why has 1T-TaTe ₂ not yet been synthesized? A DFT contribution.. <i>Synthetic Metals</i> , 1999, 103, 2679-2682.	2.1	3
16	Nitrido Dimers and Trimers of Tungsten Supported by tBuMe ₂ SiO and CF ₃ Me ₂ CO Ligands, Respectively. Factors Influencing the Reductive Cleavage of Nitriles by Tungsten-Tungsten Triple Bonds and An Analysis of the Structure of the Cyclo trimer. <i>Chemistry - A European Journal</i> , 1999, 5, 2318-2326.	1.7	1
17	Sulfur K-Edge X-Ray-Absorption Study of the Charge Transfer upon Lithium Intercalation into Titanium Disulfide. <i>Physical Review Letters</i> , 1996, 77, 2101-2104.	2.9	88
18	Solid-State and Solution Structures of [NW(OC(CH ₃) ₂ CF ₃) ₃] ₃ and Factors Favoring the Metathesis of C≡N and W≡W Triple Bonds in Reactions Involving Organic Nitriles and Ditungsten Hexaalkoxides. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 110-112.	4.4	48

#	ARTICLE	IF	CITATIONS
19	[Cp''Co(P4){(Cp''Co) ₂ (μ-CO)}] (Cp'' = η ⁵ -C ₅ H ₃ tBu ₂): A Complex with a P ₄ Unit on the Way to a P ₁ and a P ₃ Ligand. <i>Inorganic Chemistry</i> , 1995, 34, 3117-3119.	1.9	29