FrÃ©dÃ©ric Lemoigno

List of Publications by Year
in descending order

19 papers	704 citations	623574 14 h-index	839398 18 g-index
20 all docs	20 docs citations	20 times ranked	1214 citing authors

#	Article	IF	Citations
1	Updated references for the structural, electronic, and vibrational properties of TiO2(B) bulk using first-principles density functional theory calculations. Journal of Chemical Physics, 2009, 130, 204501.	1.2	99
2	SulfurK-Edge X-Ray-Absorption Study of the Charge Transfer upon Lithium Intercalation into Titanium Disulfide. Physical Review Letters, 1996, 77, 2101-2104.	2.9	88
3	Redox-Induced Structural Change in Anode Materials Based on Tetrahedral (MPn4)x- Transition Metal Pnictides. Chemistry of Materials, 2004, 16, 1002-1013.	3.2	63
4	The LixVPn4 Ternary Phases (Pn = P, As):â€‰ Rigid Networks for Lithium Intercalation/Deintercalation. Chemistry of Materials, 2002, 14, 4126-4133.	3.2	61
5	Origin of the 3.6 V to 3.9 V voltage increase in the LiFeSO4F cathodes for Li-ion batteries. Energy and Environmental Science, 2012, 5, 9584.	15.6	58
6	Chimie Douce Route to Sodium Hydroxo Titanate Nanowires with Modulated Structure and Conversion to Highly Photoactive Titanium Dioxides. Chemistry of Materials, 2008, 20, 7228-7236.	3.2	50
7	Solid-State and Solution Structures of[{NW(OC(CH3)2CF3)3}3] and Factors Favoring the Metathesis of Cï£¿N and Wï£¿W Triple Bonds in Reactions Involving Organic Nitriles and Ditungsten Hexaalkoxides. Angewandte Chemie International Edition in English, 1995, 34, 110-112.	4.4	48
8	Nitrido Dimers and Trimers of Tungsten Supported by tBuMe2SiO and CF3Me2CO Ligands, Respectively. Factors Influencing the Reductive Cleavage of Nitriles by Tungsten-Tungsten Triple Bonds and An Analysis of the Structure of the Cyclotrimer. Chemistry - A European Journal, 1999, 5, 2318-2326.	1.7	42
9	Atomistic study of structural, elastic, electronic and thermal properties of perovskites Ba(Ti,Zr,Nb)O3. Computational Materials Science, 2007, 39, 896-902.	1.4	40
10	Interplay between Magnetic and Orbital Ordering in the Strongly Correlated Cobalt Oxide: A DFTâ€‰+â€‰U Study. Journal of Physical Chemistry C, 2010, 114, 21750-21756.	1.5	32
11	[Cp''Co(P4){(Cp''Co)2(.mu.-CO)}] (Cp'' = .eta.5-C5H3tBu2): A Complex with a P4 Unit on the Way to a P1 and a P3 Ligand. Inorganic Chemistry, 1995, 34, 3117-3119.	1.9	29
12	Density functional theory analysis of the local chemical bonds in the periodic tantalum dichalcogenides TaX2 (X=S,â€ŠSe,â€ŠTe). Journal of Chemical Physics, 2000, 113, 5879-5890.	1.2	29
13	New Insights on the Reversible Lithiation Mechanism of TiO₂(B) by Operando X-ray Absorption Spectroscopy and X-ray Diffraction Assisted by First-Principles Calculations. Journal of Physical Chemistry C, 2014, 118, 27210-27218.	1.5	23
14	Influence of polymorphism on the electrochemical behavior of M Sb negative electrodes in Li/Na batteries. Journal of Power Sources, 2015, 280, 695-702.	4.0	21
15	Lithium insertion/deinsertion mechanisms in the transition metal pnictides LixMPn4. Ionics, 2003, 9, 56-63.	1.2	9
16	Redox mechanism in the NiP2 electrode for Li-ion batteries: A DFT study coupled with local chemical bond analyses. Ionics, 2008, 14, 197-202.	1.2	8
17	Why has 1T-TaTe2 not yet been synthetized? A DFT contribution.. Synthetic Metals, 1999, 103, 2679-2682.	2.1	3
18	Nitrido Dimers and Trimers of Tungsten Supported by tBuMe2SiO and CF3Me2CO Ligands, Respectively. Factors Influencing the Reductive Cleavage of Nitriles by Tungstenâ€“Tungsten Triple Bonds and An Analysis of the Structure of the Cyclotrimer. Chemistry - A European Journal, 1999, 5, 2318-2326.	1.7	1

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19	The LixVPn4Ternary Phases (Pn: P, As): Rigid Networks for Lithium Intercalation/Deintercalation.. ChemInform, 2003, 34, no-no.	0.1	0