

Michel Menetrier

List of Publications by Year in descending order

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3,392
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186265
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docs citations

44
times ranked

4246
citing authors

#	ARTICLE	IF	CITATIONS
1	The insulator-metal transition upon lithium deintercalation from LiCoO ₂ : electronic properties and ⁷ Li NMR study. Journal of Materials Chemistry, 1999, 9, 1135-1140.	6.7	437
2	Reversible Oxygen Participation to the Redox Processes Revealed for Li _{1.20} Mn _{0.54} Co _{0.13} Ni _{0.13} O ₂ . Journal of the Electrochemical Society, 2013, 160, A786-A792.	2.9	313
3	Different oxygen redox participation for bulk and surface: A possible global explanation for the cycling mechanism of Li _{1.20} Mn _{0.54} Co _{0.13} Ni _{0.13} O ₂ . Journal of Power Sources, 2013, 236, 250-258.	7.8	280
4	Synthesis and characterization of boron-substituted carbons. Carbon, 2000, 38, 1461-1467.	10.3	212
5	On the structure of Li ₃ Ti ₂ (PO ₄) ₃ . Journal of Materials Chemistry, 2002, 12, 2971-2978.	6.7	176
6	Li _{1.20} Mn _{0.54} Co _{0.13} Ni _{0.13} O ₂ with Different Particle Sizes as Attractive Positive Electrode Materials for Lithium-Ion Batteries: Insights into Their Structure. Journal of Physical Chemistry C, 2012, 116, 13497-13506.	3.1	162
7	Relationship between Chemical Bonding Nature and Electrochemical Property of LiMn ₂ O ₄ Spinel Oxides with Various Particle Sizes: "Electrochemical Grafting" Concept. Journal of Physical Chemistry B, 1999, 103, 2100-2106.	2.6	137
8	Lithium secondary batteries working at very high temperature: Capacity fade and understanding of aging mechanisms. Journal of Power Sources, 2013, 236, 265-275.	7.8	134
9	Oxygen Vacancies and Intermediate Spin Trivalent Cobalt Ions in Lithium-Overstoichiometric LiCoO ₂ . Chemistry of Materials, 2003, 15, 348-354.	6.7	132
10	⁶ Li and ⁷ Li NMR in the LiNi _{1-y} Co _y O ₂ Solid Solution (0 ≤ y ≤ 1). Inorganic Chemistry, 1995, 34, 1773-1778.	4.0	122
11	Al-doped ZnO powdered materials: Al solubility limit and IR absorption properties. Solid State Sciences, 2009, 11, 1192-1197.	3.2	121
12	Insight into the Atomic Structure of Cycled Lithium-Rich Layered Oxide Li _{1.20} Mn _{0.54} Co _{0.13} Ni _{0.13} O ₂ Using HAADF STEM and Electron Nanodiffraction. Journal of Physical Chemistry C, 2015, 119, 75-83.	3.1	117
13	On the clathrate form of elemental silicon, Si ₁₃₆ : preparation and characterisation of Na _x Si ₁₃₆ (x ≈ 0). Solid State Sciences, 2004, 6, 393-400.	3.2	102
14	Redox processes in Li _x Ni _{1-y} Co _y O ₂ cobalt-rich phases. Journal of Materials Chemistry, 1997, 7, 2505-2511.	6.7	76
15	Structural Polymorphism in Li ₂ CoSiO ₄ Intercalation Electrodes: A Combined Diffraction and NMR Study. Chemistry of Materials, 2010, 22, 1892-1900.	6.7	74
16	⁷ Li MAS NMR study of electrochemically deintercalated Li _x Ni _{0.30} Co _{0.70} O ₂ phases: evidence of electronic and ionic mobility, and redox processes. Journal of Materials Chemistry, 2001, 11, 594-603.	6.7	72
17	⁶ Li MAS NMR Investigation of Electrochemical Lithiation of RuO ₂ : Evidence for an Interfacial Storage Mechanism. Chemistry of Materials, 2009, 21, 856-861.	6.7	64
18	Elucidating the origins of phase transformation hysteresis during electrochemical cycling of Li/Sb electrodes. Journal of Materials Chemistry A, 2015, 3, 18928-18943.	10.3	48

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37	DFT Modeling of NMR Contact Shift Mechanism in the Ideal LiNi_2O_4 Spinel and Application to Thermally Treated Layered $\text{Li}_{0.5}\text{NiO}_2$. Chemistry of Materials, 2007, 19, 4166-4173.	6.7	17
38	DFT+U Calculations and XAS Study: Further Confirmation of the Presence of CoO_5 Square-Based Pyramids with IS-Co^{3+} in Li-Overstoichiometric LiCoO_2 . Journal of Physical Chemistry C, 2013, 117, 26493-26500.	3.1	17
39	Reinvestigation of the magnetic behavior of $\text{O}_3\text{-LiCoO}_2$. Journal of Applied Physics, 2009, 106, .	2.5	16
40	Aggregation of the doping salt in $\text{B}_2\text{S}_3\text{-Li}_2\text{S-LiI}$ glasses, effect on the dynamical properties. Solid State Ionics, 1999, 116, 35-45.	2.7	15
41	X-ray photoelectron spectrum of glassy B_2S_3 . Experimental and theoretical study. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 93.	1.7	14
42	Promising Nanometric Spinel Cobalt Oxides for Electrochemical Energy Storage: Investigation of Li and H Environments by NMR. Journal of Physical Chemistry C, 2012, 116, 26598-26607.	3.1	7
43	One-step precipitation of nanometric LiMO_2 powders (M=Co, Fe) in alcoholic media. Solid State Ionics, 2010, 181, 623-630.	2.7	6