Annie Le Gal La Salle

List of Publications by Year
in descending order

59 papers	1,386 citations	394421 19 h-index	345221 36 g-index
63 all docs	63 docs citations	63 times ranked	1750 citing authors

#	Article	IF	Citations
1	LiMBO3 (M=Mn, Fe, Co): synthesis, crystal structure and lithium deinsertion/insertion properties. Solid State Ionics, 2001, 139, 37-46.	2.7	198
2	Electrochemically synthesized vanadium oxides as lithium insertion hosts. Electrochimica Acta, 1999, 45, 197-214.	5.2	147
3	Nanostructured manganese dioxides: Synthesis and properties as supercapacitor electrode materials. Electrochimica Acta, 2009, 54, 1240-1248.	5.2	108
4	The Origin of Capacity Fading upon Lithium Cycling in Li[sub 1.1]V[sub 3]O[sub 8]. Journal of the Electrochemical Society, 2005, 152, A1660.	2.9	84
5	Influence of the morphology on the Li insertion properties of Li1.1V3O8. Journal of Materials Chemistry, 2003, 13, 921.	6.7	69
6	New amorphous oxides as high capacity negative electrodes for lithium batteries: the LixMVO4 (M = Ni,) Tj ETQq0 0 0 rgBT /Overlock 10	7.8	66
7	Influence of the Cr Content on the Li Deinsertion Behavior of the LiCr[sub y]Mn[sub 2âˆ’y]O[sub 4]â€,(0â‰yâ‰1) Compounds: I. Separation of Bulk and Superficial Processes at High Voltage. Journal of the Electrochemical Society, 2001, 148, A812.	2.9	43
8	Î³-MnO2 for Li batteries. Journal of Power Sources, 1999, 81-82, 656-660.	7.8	40
9	Exsolution of Ni Nanoparticles from A-Site-Deficient Layered Double Perovskites for Dry Reforming of Methane and as an Anode Material for a Solid Oxide Fuel Cell. ACS Applied Materials & Interfaces, 2021, 13, 35719-35728.	8.0	35
10	Influence of structural defects on the insertion behavior of Î³-MnO2: comparison of H+ and Li+. Solid State Ionics, 2001, 140, 223-232.	2.7	25
11	Utilization of a NafionÂ® -modified electrode in a competitive homogeneous electrochemical immunoassay involving a redox cationic labelled haptenâ€"phenytoin. Journal of Electroanalytical Chemistry, 1993, 350, 329-335.	3.8	24
12	Determination of alkaline phosphatase using a NafionÂ®-modified electrode. Journal of Electroanalytical Chemistry, 1994, 379, 281-291.	3.8	23
13	Î³-MnO2 for Li batteries. Journal of Power Sources, 1999, 81-82, 661-665.	7.8	23
14	Electrochemical Synthesis of Beta- and Gamma-Manganese Dioxides under Hydrothermal Conditions. Electrochemical and Solid-State Letters, 2001, 4, D1.	2.2	23
15	Effects of carbon monoxide, carbon dioxide, and methane on nickel/yttria-stabilized zirconia-based solid oxide fuel cells performance for direct coupling with a gasifier. International Journal of Hydrogen Energy, 2015, 40, 10231-10241.	7.1	23
16	Influence of the Cr Content on the Electrochemical Behavior of the LiCr[sub y]Mn[sub 2âˆ’y]O[sub 4] (0â‰yâ‰1) Compounds: III. Galvanostatic Study of Bulk and Superficial Processes. Journal of the Electrochemical Society, 2001, 148, A826.	2.9	21
17	Lithium insertion/deinsertion properties of new layered vanadium oxides obtained by oxidation of the precursor H2V3O8. Electrochimica Acta, 2002, 47, 1153-1161.	5.2	20
18	Influence of Surface State on the Electrochemical Performance of Nickel-Based Cermet Electrodes during Steam Electrolysis. ACS Applied Energy Materials, 2019, 2, 7045-7055.	5.1	20

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19	<i>In situ</i> exsolution of Ni particles on the PrBaMn₂O₅ SOFC electrode material monitored by high temperature neutron powder diffraction under hydrogen. Journal of Materials Chemistry A, 2020, 8, 3590-3597.	10.3	20
20	e-V2O5: Relationships between synthesis conditions, material characteristics and lithium intercalation behavior. Journal of Power Sources, 1999, 81-82, 666-669.	7.8	19
21	K3Sb4O10(BO3): A solid state K-ion conductor. Solid State Ionics, 2018, 324, 260-266.	2.7	19
22	Synthesis and Characterization of Î³-MnO[sub 2] Samples with Unusual Structural Parameters. Journal of the Electrochemical Society, 2000, 147, 945.	2.9	17
23	Tape casting fabrication, co-sintering and optimisation of anode/electrolyte assemblies for SOFC based on BIT07-Ni/BIT07. International Journal of Hydrogen Energy, 2012, 37, 4346-4355.	7.1	17
24	Influence of the Cr Content on the Electrochemical Behavior of the LiCr[sub y]Mn[sub 2â^'y]O[sub 4] (0â‰¤yâ‰¤1) Compounds: II. Cyclovoltammetric Study of Bulk and Superficial Processes. Journal of the Electrochemical Society, 2001, 148, A819.	2.9	16
25	Synthesis of nanocrystalline layered manganese oxides by the electrochemical reduction of AMnO4 (A) Tj ETQq1 1 0.784314 rgBT /Ove	7.8	16
26	Validation of BaIn_{0.3}Ti_{0.7}O_{2.85} as SOFC Electrolyte with Nd₂NiO₄, LSM and LSCF as Cathodes. Fuel Cells, 2009, 9, 622-629.	2.4	16
27	Characterisation and optimisation of the cathode/electrolyte couple for SOFC LSCF/BIT07. Journal of Power Sources, 2012, 212, 161-168.	7.8	15
28	Evaluation of Ba2(In0.8Ti0.2)2O5.2â^'n(OH)2n as a potential electrolyte material for proton-conducting solid oxide fuel cell. Journal of Power Sources, 2010, 195, 4923-4927.	7.8	14
29	New immunoassay techniques using Nafion-modified electrodes and cationic redox labels or enzyme labels. Analytica Chimica Acta, 1995, 311, 301-308.	5.4	13
30	Understanding of Lithium Insertion into Î»-MnO₂ Compounds. Materials Research Society Symposia Proceedings, 1998, 548, 251.	0.1	13
31	New layered vanadium oxides MyH1 â^' yV3O8Â·nH2O (M = Li, Na, K) obtained by oxidation of the precursor H2V3O8. Journal of Materials Chemistry, 2000, 10, 2805-2810.	6.7	13
32	Electrochemical synthesis, characterization and lithium intercalation properties of e-MxV2O5+y.nH2O (M=NiII, CuII or MnIV). Journal of Physics and Chemistry of Solids, 2001, 62, 1447-1455.	4.0	13
33	Influence of structural parameters on proton insertion in Î³-MnO2. Electrochimica Acta, 2002, 48, 11-20.	5.2	13
34	K2[Te4O8(OH)10]: synthesis, crystal structure and thermal behavior. Solid State Sciences, 2001, 3, 93-101.	3.2	12
35	Li2Mn(VO3)4Â·2H2O: synthesis, crystal structure, thermal behavior and lithium insertion/deinsertion properties. Solid State Ionics, 2000, 133, 161-170.	2.7	10
36	Synthesis, structural analysis and electrochemical performances of BLSITCFx as new cathode materials for solid oxide fuel cells (SOFC) based on BIT07 electrolyte. Journal of Power Sources, 2010, 195, 4779-4784.	7.8	10

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37	Compatibility of La26O27(BO3)8 electrolyte with standard cathode materials for use in proton conducting solid oxide fuel cells. Journal of Power Sources, 2011, 196, 7435-7441.	7.8	10
38	Electrochemical Study of a SOFC with Various H₂â€CO‐â€CH₄â€CO₂â€N₂ Gaseous Mixtures. Fuel Cells, 2017, 17, 144-150.	2.4	10
39	Electricity production from lignocellulosic biomassÂby direct coupling of a gasifier and a Nickel/Yttria-stabilized Zirconia-based solid oxide fuel cell. Part 1: From gas production to direct electricity production. International Journal of Hydrogen Energy, 2017, 42, 21215-21225.	7.1	10
40	Metal Atom Clusters as Building Blocks for Multifunctional Proton-Conducting Materials: Theoretical and Experimental Characterization. Inorganic Chemistry, 2018, 57, 9814-9825.	4.0	10
41	New alkaline earth substituted lithium trivanadates: synthesis, characterization and lithium insertion behavior. Journal of Materials Chemistry, 2003, 13, 1827.	6.7	9
42	Optimization of SOFC anode/electrolyte assembly based on BaIn0.3Ti0.7O2.85 (BIT07)/Ni-BIT07 using an interfacial anodic layer. Journal of Power Sources, 2014, 251, 66-74.	7.8	9
43	Application of the cold sintering process to the electrolyte material BaCe0.8Zr0.1Y0.1O3-Î´. Journal of the European Ceramic Society, 2020, 40, 3445-3452.	5.7	9
44	Electrochemical study of the lithium insertion mechanism into Li₄Ti₅O₁₂. Molecular Crystals and Liquid Crystals, 1998, 311, 63-68.	0.3	8
45	Interleaved oxovanadium cations in the rancieite manganese oxide Î´â€MnO2. Journal of Materials Chemistry, 2001, 11, 652-656.	6.7	8
46	Ceria nanoparticles as promoters of CO2 electroreduction on Ni/YSZ: An efficient preparation strategy and insights into the catalytic promotion mechanism. Nano Energy, 2022, 101, 107564.	16.0	8
47	Characteristics and performance improvement of anode supported solid oxide fuel cells based on BaIn0.3Ti0.7O2.85 (BIT07) as electrolyte, BIT07-Ni as anode and La0.58Sr0.4Co0.2Fe0.8O3âˆ’Î´ (LSCF) as cathode. Journal of Power Sources, 2012, 206, 210-214.	7.8	7
48	A New Layered Vanadium Oxide Prepared by Electrochemical Transformation of a Solid Precursor. Journal of the Electrochemical Society, 2001, 148, A258.	2.9	6
49	Electrochemical impedance measurements for evaluation of the different components of a complete solid oxide fuel cell associating La0.58Sr0.4Co0.2Fe0.8O3âˆ’Î´ as cathode, BaIn0.3Ti0.7O2.85 as electrolyte and BaIn0.3Ti0.7O2.85â€“Ni cermet as anode. Journal of Power Sources, 2011, 196, 10576-10583.	7.8	6
50	Electricity production from lignocellulosic biomass by direct coupling of a gasifier and a nickel/yttria-stabilized zirconia-based solid oxide fuel cell: influence of the H2S content of the syngas onto performances and aging. Journal of Solid State Electrochemistry, 2018, 22, 2789-2800.	2.5	5
51	Influence of the autocombustion synthesis conditions and the calcination temperature on the microstructure and electrochemical properties of BaCe0.8Zr0.1Y0.1O3âˆ’Î´ electrolyte material. Solid State Ionics, 2018, 325, 48-56.	2.7	5
52	Synthesis, Characterization and lithium Intercalation behavior of electrodeposited V₂O₅. Molecular Crystals and Liquid Crystals, 1998, 311, 75-80.	0.3	4
53	New KRb₂Sb₄BO₁₃ and Rb₃Sb₄BO₁₃ compounds prepared by Rb⁺/K⁺ ion exchange from the K₃Sb₄BO₁₃ ion conductor. CrystEngComm, 2019, 21, 594-601.	2.6	2
54	High Performance Dense Proton Ceramic Electrolyte Material Obtained by Cold Sintering Process. ECS Transactions, 2019, 91, 983-996.	0.5	1

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55	Electrochemical Study of the Versatility of a Solid Cell Working both as Fuel Cell and Electrolysis Modes. Fuel Cells, 2020, 20, 332-341.	2.4	1
56	Negative and positive electrode materials for lithium-ion batteries. Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry, 1999, 2, 603-610.	0.1	0
57	BITX: New Electrolyte for Oxide Ion and Proton SOFC. ECS Transactions, 2009, 25, 1801-1808.	0.5	0
58	Electrochemical Optimization of LSCF/BIT07 as an Alternative Cathode/electrolyte Couple for SOFC. ECS Transactions, 2009, 25, 2837-2844.	0.5	0
59	<scp><scp>BaIn</scp></scp>_{0.3}<scp><scp>Ti</scp></scp>_{0.7}<scp><scp>O</scp></scp>_{2.85}/ Electrolyte/Anode Half Cell for Solid Oxide Fuel Cell Prepared by Reactive Sintering. International Journal of Applied Ceramic Technology, 2012, 9, 1071-1075.	2.1	0