

Jos L Tirado

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ext. papers

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#	Paper	IF	Citations
391	NiCo ₂ O ₄ Spinel: First Report on a Transition Metal Oxide for the Negative Electrode of Sodium-Ion Batteries. <i>Chemistry of Materials</i> , 2002 , 14, 2847-2848	9.6	434
390	Carbon black: a promising electrode material for sodium-ion batteries. <i>Electrochemistry Communications</i> , 2001 , 3, 639-642	5.1	320
389	Alternative Li-Ion Battery Electrode Based on Self-Organized Titania Nanotubes. <i>Chemistry of Materials</i> , 2009 , 21, 63-67	9.6	300
388	Carbon Microspheres Obtained from Resorcinol-Formaldehyde as High-Capacity Electrodes for Sodium-Ion Batteries. <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, A222		288
387	CoFe ₂ O ₄ and NiFe ₂ O ₄ synthesized by sol-gel procedures for their use as anode materials for Li ion batteries. <i>Journal of Power Sources</i> , 2007 , 172, 379-387	8.9	286
386	Chemical and Electrochemical Li-Insertion into the Li ₄ Ti ₅ O ₁₂ Spinel. <i>Chemistry of Materials</i> , 2004 , 16, 5721-5725	9.6	280
385	Cation distribution and chemical deintercalation of Li _{1-x} Ni _{1+x} O ₂ . <i>Materials Research Bulletin</i> , 1990 , 25, 623-630	5.1	242
384	Inorganic materials for the negative electrode of lithium-ion batteries: state-of-the-art and future prospects. <i>Materials Science and Engineering Reports</i> , 2003 , 40, 103-136	30.9	229
383	Sol-gel preparation of cobalt manganese mixed oxides for their use as electrode materials in lithium cells. <i>Electrochimica Acta</i> , 2007 , 52, 7986-7995	6.7	135
382	TiO ₂ nanotubes manufactured by anodization of Ti thin films for on-chip Li-ion 2D microbatteries. <i>Electrochimica Acta</i> , 2009 , 54, 4262-4268	6.7	130
381	Optimizing preparation conditions for 5 V electrode performance, and structural changes in Li _{1-x} Ni _{0.5} Mn _{1.5} O ₄ spinel. <i>Electrochimica Acta</i> , 2002 , 47, 1829-1835	6.7	127
380	Characterisation of mesocarbon microbeads (MCMB) as active electrode material in lithium and sodium cells. <i>Carbon</i> , 2000 , 38, 1031-1041	10.4	127
379	Electrochemical reaction of lithium with the CoSb ₃ skutterudite. <i>Journal of Materials Chemistry</i> , 1999 , 9, 2517-2521		125
378	Benefits of Chromium Substitution in Na ₃ V ₂ (PO ₄) ₃ as a Potential Candidate for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2015 , 2, 995-1002	4.3	119
377	Effect of Iron Substitution in the Electrochemical Performance of Na ₃ V ₂ (PO ₄) ₃ as Cathode for Na-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A3077-A3083	3.9	119
376	Structure and Electrochemical Properties of Boron-Doped LiCoO ₂ . <i>Journal of Solid State Chemistry</i> , 1997 , 134, 265-273	3.3	119
375	Improvement of the Electrochemical Performance of LiCoPO ₄ 5 V Material Using a Novel Synthesis Procedure. <i>Electrochemical and Solid-State Letters</i> , 2002 , 5, A234		118

374	X-ray diffraction and electrochemical impedance spectroscopy study of zinc coated LiNi _{0.5} Mn _{1.5} O ₄ electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 566, 187-192	4.1	117
373	Electrochemical reaction of lithium with CoP ₃ . <i>Journal of Power Sources</i> , 2002 , 109, 308-312	8.9	115
372	Submicronic particles of manganese carbonate prepared in reverse micelles: A new electrode material for lithium-ion batteries. <i>Electrochemistry Communications</i> , 2007 , 9, 1744-1748	5.1	112
371	Negative Electrodes for Lithium- and Sodium-Ion Batteries Obtained by Heat-Treatment of Petroleum Cokes below 1000°C. <i>Journal of the Electrochemical Society</i> , 2002 , 149, A201	3.9	109
370	Structural and Electrochemical Study of New LiNi _{0.5} Ti _x Mn _{1.5-x} O ₄ Spinel Oxides for 5-V Cathode Materials. <i>Chemistry of Materials</i> , 2003 , 15, 2376-2382	9.6	107
369	Changes in oxidation state and magnetic order of iron atoms during the electrochemical reaction of lithium with NiFe ₂ O ₄ . <i>Electrochemistry Communications</i> , 2003 , 5, 16-21	5.1	105
368	Lithium-Cobalt Citrate Precursors in the Preparation of Intercalation Electrode Materials. <i>Chemistry of Materials</i> , 1996 , 8, 1429-1440	9.6	104
367	N-doped monolithic carbon aerogel electrodes with optimized features for the electrosorption of ions. <i>Carbon</i> , 2015 , 83, 262-274	10.4	103
366	Changes in the Local Structure of LiMgyNi _{0.5-y} Mn _{1.5} O ₄ Electrode Materials during Lithium Extraction. <i>Chemistry of Materials</i> , 2004 , 16, 1573-1579	9.6	103
365	Nanoarchitected TiO ₂ /SnO: A Future Negative Electrode for High Power Density Li-Ion Microbatteries?. <i>Chemistry of Materials</i> , 2010 , 22, 1926-1932	9.6	99
364	Enhanced high-rate performance of manganese substituted Na ₃ V ₂ (PO ₄) ₃ /C as cathode for sodium-ion batteries. <i>Journal of Power Sources</i> , 2016 , 313, 73-80	8.9	99
363	Effect of aluminum doping on carbon loaded Na ₃ V ₂ (PO ₄) ₃ as cathode material for sodium-ion batteries. <i>Electrochimica Acta</i> , 2015 , 180, 824-830	6.7	96
362	Formation and Oxidation of Nanosized Metal Particles by Electrochemical Reaction of Li and Na with NiCo ₂ O ₄ : X-ray Absorption Spectroscopic Study. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 4636-4642	3.8	94
361	Cobalt Oxalate Nanoribbons as Negative-Electrode Material for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2009 , 21, 1834-1840	9.6	86
360	Advancing towards a veritable calcium-ion battery: CaCo ₂ O ₄ positive electrode material. <i>Electrochemistry Communications</i> , 2016 , 67, 59-64	5.1	83
359	A novel architected negative electrode based on titania nanotube and iron oxide nanowire composites for Li-ion microbatteries. <i>Journal of Materials Chemistry</i> , 2010 , 20, 4041		82
358	A new form of manganese carbonate for the negative electrode of lithium-ion batteries. <i>Journal of Power Sources</i> , 2011 , 196, 2863-2866	8.9	79
357	The Origin of Capacity Fading in NiFe ₂ O ₄ Conversion Electrodes for Lithium Ion Batteries Unfolded by ⁵⁷ Fe Mössbauer Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 12828-12832	3.8	78

356	Photoelectron Spectroscopic Study of the Reaction of Li and Na with NiCo ₂ O ₄ . <i>Chemistry of Materials</i> , 2005 , 17, 5202-5208	9.6	78
355	Electrochemical evaluation of CuFe ₂ O ₄ samples obtained by sol-gel methods used as anodes in lithium batteries. <i>Journal of Solid State Electrochemistry</i> , 2008 , 12, 729-737	2.6	77
354	Synthesis and electrochemical reaction with lithium of mesoporous iron oxalate nanoribbons. <i>Inorganic Chemistry</i> , 2008 , 47, 10366-71	5.1	75
353	A novel method for metal oxide deposition on carbon aerogels with potential application in capacitive deionization of saline water. <i>Electrochimica Acta</i> , 2014 , 135, 208-216	6.7	69
352	Na ₃ V ₂ (PO ₄) ₃ /C Nanorods with Improved Electrode-Electrolyte Interface As Cathode Material for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 23151-9	9.5	68
351	On the electrochemical performance of anthracite-based graphite materials as anodes in lithium-ion batteries. <i>Fuel</i> , 2010 , 89, 986-991	7.1	68
350	SnO reduction in lithium cells: study by X-ray absorption, ¹¹⁹ Sn Mössbauer spectroscopy and X-ray diffraction. <i>Journal of Electroanalytical Chemistry</i> , 2000 , 494, 136-146	4.1	68
349	Recent advances in the study of layered lithium transition metal oxides and their application as intercalation electrodes. <i>Journal of Solid State Electrochemistry</i> , 1999 , 3, 121-134	2.6	68
348	Reversible intercalation of aluminium into vanadium pentoxide xerogel for aqueous rechargeable batteries. <i>RSC Advances</i> , 2016 , 6, 62157-62164	3.7	67
347	Lithium storage mechanisms and effect of partial cobalt substitution in manganese carbonate electrodes. <i>Inorganic Chemistry</i> , 2012 , 51, 5554-60	5.1	66
346	Microstructure of the epitaxial film of anatase nanotubes obtained at high voltage and the mechanism of its electrochemical reaction with sodium. <i>CrystEngComm</i> , 2014 , 16, 4602-4609	3.3	65
345	EPR, NMR, and Electrochemical Studies of Surface-Modified Carbon Microbeads. <i>Chemistry of Materials</i> , 2006 , 18, 2293-2301	9.6	64
344	Low-temperature mixed spinel oxides as lithium insertion compounds. <i>Journal of Materials Chemistry</i> , 1996 , 6, 37-39		64
343	X-ray Diffraction and (¹¹⁹)Sn Mössbauer Spectroscopy Study of a New Phase in the Bi ₂ Se ₃ -SnSe System: SnBi ₄ Se ₇ . <i>Inorganic Chemistry</i> , 1999 , 38, 2131-2135	5.1	63
342	Electrochemical reactions of polycrystalline CrSb ₂ in lithium batteries. <i>Journal of Electroanalytical Chemistry</i> , 2001 , 501, 205-209	4.1	60
341	Structural and comparative electrochemical study of M(II) oxalates, M = Mn, Fe, Co, Ni, Cu, Zn. <i>Journal of Power Sources</i> , 2013 , 227, 65-71	8.9	58
340	Electrochemical and chemical insertion/deinsertion of magnesium in spinel-type MgMn ₂ O ₄ and λ-MnO ₂ for both aqueous and non-aqueous magnesium-ion batteries. <i>CrystEngComm</i> , 2015 , 17, 8728-8735	3.3	57
339	Improving the cyclability of sodium-ion cathodes by selection of electrolyte solvent. <i>Journal of Power Sources</i> , 2012 , 197, 314-318	8.9	57

338	Improved Energy Storage Solution Based on Hybrid Oxide Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 46-56	8.3	57
337	High-Performance Transition Metal Mixed Oxides in Conversion Electrodes: A Combined Spectroscopic and Electrochemical Study. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 14238-14246	3.8	57
336	Synergistic effects of transition metal substitution in conversion electrodes for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10102		56
335	Electrochemical, textural and microstructural effects of mechanical grinding on graphitized petroleum coke for lithium and sodium batteries. <i>Carbon</i> , 2003 , 41, 3003-3013	10.4	54
334	X-ray Diffraction, EPR, and ⁶ Li and ²⁷ Al MAS NMR Study of LiAlO ₂ /LiCoO ₂ Solid Solutions. <i>Inorganic Chemistry</i> , 1998 , 37, 264-269	5.1	54
333	Electrochemical studies of lithium and sodium intercalation in MoSe ₂ . <i>Solid State Ionics</i> , 1996 , 83, 57-64	3.3	53
332	Electrochemical response of carbon aerogel electrodes in saline water. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 671, 92-98	4.1	52
331	LiFePO ₄ particle conductive composite strategies for improving cathode rate capability. <i>Electrochimica Acta</i> , 2015 , 163, 323-329	6.7	51
330	High reversible sodium insertion into iron substituted Na _{1+x} Ti _{2-2x} Fe _x (PO ₄) ₃ . <i>Journal of Power Sources</i> , 2014 , 252, 208-213	8.9	51
329	New tin-based materials containing cobalt and carbon for lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2007 , 605, 98-108	4.1	51
328	On the Mechanism of the Electrochemical Reaction of Tin Phosphide with Lithium. <i>Journal of the Electrochemical Society</i> , 2006 , 153, A1829	3.9	51
327	P3-Type Layered Sodium-Deficient Nickel-Manganese Oxides: A Flexible Structural Matrix for Reversible Sodium and Lithium Intercalation. <i>ChemPlusChem</i> , 2015 , 80, 1642-1656	2.8	50
326	Lithium-Nickel Citrate Precursors for the Preparation of LiNiO ₂ Insertion Electrodes. <i>Chemistry of Materials</i> , 1997 , 9, 2145-2155	9.6	49
325	Synergistic Effects of Double Substitution in LiNi _[sub 0.5] Fe _[sub y] Mn _[sub 1.5] O _[sub 4] Spinel as 5 V Cathode Materials. <i>Journal of the Electrochemical Society</i> , 2005 , 152, A13	3.9	49
324	Cationic distribution and electrochemical performance of LiCo _{1/3} Ni _{1/3} Mn _{1/3} O ₂ electrodes for lithium-ion batteries. <i>Solid State Ionics</i> , 2008 , 179, 2198-2208	3.3	48
323	Lithium insertion mechanism in Sb-based electrode materials from ¹²¹ Sb Mössbauer spectrometry. <i>Journal of Power Sources</i> , 2003 , 119-121, 585-590	8.9	47
322	New LiNi _[sub y] Co _[sub 1-y] Mn _[sub 1+y] O _[sub 4] Spinel Oxide Solid Solutions as 5 V Electrode Material for Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2004 , 151, A53	3.9	47
321	X-ray Diffraction, ⁷ Li MAS NMR Spectroscopy, and ¹¹⁹ Sn Mössbauer Spectroscopy Study of SnSb-Based Electrode Materials. <i>Chemistry of Materials</i> , 2002 , 14, 2962-2968	9.6	47

320	On the role of faradaic and capacitive contributions in the electrochemical performance of CoFe ₂ O ₄ as conversion anode for Li-ion cells. <i>Solid State Ionics</i> , 2010 , 181, 616-622	3.3	46
319	(⁵⁷ Fe Mössbauer spectroscopy and electron microscopy study of metal extraction from CuFe ₂ O ₄) electrodes in lithium cells. <i>ChemPhysChem</i> , 2007 , 8, 1999-2007	3.2	46
318	Changes in Structure and Cathode Performance with Composition and Preparation Temperature of Lithium Cobalt Nickel Oxide. <i>Journal of the Electrochemical Society</i> , 1998 , 145, 730-736	3.9	46
317	Lithium/nickel mixing in the transition metal layers of lithium nickelate: high-pressure synthesis of layered Li _{1-x} [Ni _{1-x}]O ₂ oxides as cathode materials for lithium-ion batteries. <i>Solid State Ionics</i> , 2003 , 161, 197-204	3.3	45
316	Structure and Electrochemical Properties of Li _{1-x} (Ni _y Co _{1-y}) _{1+x} O ₂ : Effect of Chemical Delithiation at 0°C. <i>Journal of the Electrochemical Society</i> , 1995 , 142, 3997-4005	3.9	45
315	Electrochemical Interaction of Few-Layer Molybdenum Disulfide Composites vs Sodium: New Insights on the Reaction Mechanism. <i>Chemistry of Materials</i> , 2017 , 29, 5886-5895	9.6	44
314	EPR study on petroleum cokes annealed at different temperatures and used in lithium and sodium batteries. <i>Carbon</i> , 2002 , 40, 2301-2306	10.4	44
313	Chemical and electrochemical lithium intercalation and staging in 2H-TaS ₂ . <i>Solid State Ionics</i> , 1992 , 51, 133-138	3.3	43
312	X-ray diffraction, ⁵⁷ Fe Mössbauer and step potential electrochemical spectroscopy study of LiFeCo _{1-x} O ₂ compounds. <i>Journal of Power Sources</i> , 1999 , 81-82, 547-553	8.9	42
311	Applicability of Molybdenite as an Electrode Material in Calcium Batteries: A Structural Study of Layer-type Ca _x MoO ₃ . <i>Chemistry of Materials</i> , 2018 , 30, 5853-5861	9.6	41
310	⁵⁷ Fe Mössbauer Spectroscopy Study of the Electrochemical Reaction with Lithium of MFe ₂ O ₄ (M = Co and Cu) Electrodes. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 20081-20087	3.8	41
309	On the effect of carbon content for achieving a high performing Na ₃ V ₂ (PO ₄) ₃ /C nanocomposite as cathode for sodium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 784, 47-54	4.1	40
308	On the use of transition metal oxysalts as conversion electrodes in lithium-ion batteries. <i>Journal of Power Sources</i> , 2009 , 189, 823-827	8.9	40
307	Diffraction and XPS Studies of Misfit Layer Chalcogenides Intercalated with Cobaltocene. <i>Chemistry of Materials</i> , 1995 , 7, 1576-1582	9.6	39
306	NASICON-type Na ₃ V ₂ (PO ₄) ₃ as a new positive electrode material for rechargeable aluminium battery. <i>Electrochimica Acta</i> , 2018 , 260, 798-804	6.7	39
305	Transition metal oxide thin films with improved reversibility as negative electrodes for sodium-ion batteries. <i>Electrochemistry Communications</i> , 2013 , 27, 152-155	5.1	38
304	Optimized Chemical Stability and Electrochemical Performance of LiFePO ₄ Composite Materials Obtained by ZnO Coating. <i>Journal of the Electrochemical Society</i> , 2008 , 155, A211	3.9	36
303	Na ₃ V ₂ (PO ₄) ₃ as electrode material for rechargeable magnesium batteries: a case of sodium-magnesium hybrid battery. <i>Electrochimica Acta</i> , 2017 , 246, 908-913	6.7	35

302	Improved lithium-ion transport in NASICON-type lithium titanium phosphate by calcium and iron doping. <i>Solid State Ionics</i> , 2014 , 262, 573-577	3.3	35
301	Long-Length Titania Nanotubes Obtained by High-Voltage Anodization and High-Intensity Ultrasonication for Superior Capacity Electrode. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 20182-20190 ^{3,8}		35
300	A Functionalized Co ₂ P Negative Electrode for Batteries Demanding High Li-Potential Reaction. <i>Journal of the Electrochemical Society</i> , 2012 , 159, A1253-A1261	3.9	35
299	Nanocomposite Electrode for Li-Ion Microbatteries Based on SnO on Nanotubular Titania Matrix. <i>Electrochemical and Solid-State Letters</i> , 2009 , 12, A186		35
298	Aluminium coordination in LiNi _{1-x} Al _x O ₂ solid solutions. <i>Solid State Ionics</i> , 2000 , 128, 1-10	3.3	35
297	Cobalt(III) Effect on ²⁷ Al NMR Chemical Shifts in LiAl _x Co _{1-x} O ₂ . <i>Journal of Physical Chemistry B</i> , 2001 , 105, 8081-8087	3.4	35
296	Electrochemical Characteristics of Crystalline and Amorphous SnS ₂ in Lithium Cells. <i>Journal of the Electrochemical Society</i> , 1996 , 143, 2847-2851	3.9	34
295	Textural evolution of synthetic γ -FeOOH during thermal treatment by differential scanning calorimetry. <i>Journal of Colloid and Interface Science</i> , 1984 , 101, 392-400	9.3	34
294	On the Reliability of Sodium Co-Intercalation in Expanded Graphite Prepared by Different Methods as Anodes for Sodium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A3804-A3813	3.9	33
293	High-Performance Na ₃ V ₂ (PO ₄) ₃ /C Cathode for Sodium-Ion Batteries Prepared by a Ball-Milling-Assisted Method. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 3212-3218	2.3	33
292	Self-organized amorphous titania nanotubes with deposited graphene film like a new heterostructured electrode for lithium ion batteries. <i>Journal of Power Sources</i> , 2014 , 248, 886-893	8.9	32
291	Electrodeposited CoSn ₂ on nickel open-cell foam: advancing towards high power lithium ion and sodium ion batteries. <i>CrystEngComm</i> , 2013 , 15, 9196	3.3	32
290	Controlled Growth and Application in Lithium and Sodium Batteries of High-Aspect-Ratio, Self-Organized Titania Nanotubes. <i>Journal of the Electrochemical Society</i> , 2013 , 160, A1390-A1398	3.9	31
289	Structural and electrochemical properties of micro- and nano-crystalline CoSn electrode materials. <i>ChemPhysChem</i> , 2008 , 9, 1171-7	3.2	31
288	Electrochemical and ¹¹⁹ Sn Mössbauer studies of the reaction of Co ₂ SnO ₄ with lithium. <i>Electrochemistry Communications</i> , 2006 , 8, 731-736	5.1	31
287	Electrochemical, ⁶ Li MAS NMR, and X-ray and Neutron Diffraction Study of LiCo _x FeyMn _{2-(x+y)} O ₄ Spinel Oxides for High-Voltage Cathode Materials. <i>Chemistry of Materials</i> , 2003 , 15, 1210-1216	9.6	31
286	Cation order/disorder in lithium transition-metal oxides as insertion electrodes for lithium-ion batteries. <i>Pure and Applied Chemistry</i> , 2002 , 74, 1885-1894	2.1	31
285	Treasure Na-ion anode from trash coke by adept electrolyte selection. <i>Journal of Power Sources</i> , 2017 , 347, 127-135	8.9	30

284	New mixed transition metal oxysalts as negative electrode materials for lithium-ion batteries. <i>Solid State Ionics</i> , 2012 , 225, 518-521	3.3	30
283	Cation-deficient Mn, Co spinel oxides obtained by thermal decomposition of carbonate precursors. <i>Journal of Solid State Chemistry</i> , 1989 , 82, 87-94	3.3	30
282	Improving the cycling performance of LiFePO ₄ cathode material by poly(3,4-ethylenedioxythiophene) coating. <i>RSC Advances</i> , 2014 , 4, 26108-26114	3.7	29
281	Electron Paramagnetic Resonance, X-ray Diffraction, Mössbauer Spectroscopy, and Electrochemical Studies on Nanocrystalline FeSn ₂ Obtained by Reduction of Salts in Tetraethylene Glycol. <i>Chemistry of Materials</i> , 2010 , 22, 2268-2275	9.6	29
280	Tin oxalate as a precursor of tin dioxide and electrode materials for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2001 , 6, 55-62	2.6	29
279	Low-temperature hydrothermal transformations of LiCoO ₂ and HCoO ₂ . <i>Materials Research Bulletin</i> , 1988 , 23, 899-904	5.1	29
278	Mn-Containing N-Doped Monolithic Carbon Aerogels with Enhanced Macroporosity as Electrodes for Capacitive Deionization. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 2487-2494	8.3	29
277	Nanometric P ₂ -Na ₂ /3Fe ₁ /3Mn ₂ /3O ₂ with controlled morphology as cathode for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017 , 724, 465-473	5.7	28
276	Mesoporous carbon black-aerogel composites with optimized properties for the electro-assisted removal of sodium chloride from brackish water. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 741, 42-50 ^{4.1}		28
275	Synthesis and Electrochemical Characterization of a New Li-Co-Mn-O Spinel Phase for Rechargeable Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 1997 , 144, 1939-1943	3.9	28
274	EPR studies of Li _{1-x} (Ni _y Co _{1-y}) _{1+x} O ₂ solid solutions. <i>Solid State Communications</i> , 1997 , 102, 457-462	1.6	28
273	Improved Surface Stability of C+MO@NaV(PO) ₃ Prepared by Ultrasonic Method as Cathode for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1471-1478	9.5	27
272	Tin-carbon composites as anodic material in Li-ion batteries obtained by copyrolysis of petroleum vacuum residue and SnO ₂ . <i>Carbon</i> , 2007 , 45, 1396-1409	10.4	27
271	Structure and Lithium Extraction Mechanism in LiNi _{0.5} Mn _{1.5} O ₄ after Double Substitution with Iron and Titanium. <i>Electrochemical and Solid-State Letters</i> , 2006 , 9, A96-A100		27
270	Changes in local Ni/Mn environment in layered LiMg _x Ni _{0.5-x} Mn _{0.5} O ₂ (0 ≤ x ≤ 1.0) after electrochemical extraction and reinsertion of lithium. <i>Journal of Materials Chemistry</i> , 2006 , 16, 359-369		27
269	Rotor blade grinding and re-annealing of LiCoO ₂ : SEM, XPS, EIS and electrochemical study. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 584, 147-156	4.1	27
268	Lithium intercalation into PbNb ₂ S ₅ , PbNbS ₃ , SnNb ₂ Se ₅ , BiVS ₃ , SnVSe ₃ , and PbNb ₂ Se ₅ misfit layer chalcogenides. <i>Journal of Solid State Chemistry</i> , 1992 , 100, 262-271	3.3	27
267	On the use of carbon black loaded nitrogen-doped carbon aerogel for the electrosorption of sodium chloride from saline water. <i>Electrochimica Acta</i> , 2015 , 170, 154-163	6.7	26

266	The influence of iron substitution on the electrochemical properties of $\text{Li}_{1+x}\text{Ti}_2\text{Fex}(\text{PO}_4)_3/\text{C}$ composites as electrodes for lithium batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21602		26
265	Tin-Based composite Materials Fabricated by Anodic Oxidation for the Negative Electrode of Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2011 , 158, A1094	3.9	26
264	EPR studies of Li deintercalation from LiCoMnO_4 spinel-type electrode active material. <i>Journal of Power Sources</i> , 2006 , 159, 1389-1394	8.9	26
263	Electrodeposition of copper in nanowires on Ti foils for rechargeable lithium micro-batteries with high energy density. <i>Journal of Alloys and Compounds</i> , 2014 , 585, 331-336	5.7	25
262	Changes in crystallite size and microstrains of hematite derived from the thermal decomposition of synthetic akaganeite. <i>Journal of Solid State Chemistry</i> , 1984 , 53, 303-312	3.3	25
261	Induced Rate Performance Enhancement in Off-Stoichiometric Na V (PO) with Potential Applicability as the Cathode for Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2017 , 23, 7345-7352	4.8	24
260	Superior electrochemical performance of TiO_2 sodium-ion battery anodes in diglyme-based electrolyte solution. <i>Journal of Power Sources</i> , 2019 , 432, 82-91	8.9	24
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