Ricardo AlcÃ,ntara

List of Publications by Year
in descending order

150	6,340	66343 42	79698 73
papers	citations	h-index	g-index

155	155	155	6312
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	NiCo2O4Spinel:Â First Report on a Transition Metal Oxide for the Negative Electrode of Sodium-Ion Batteries. Chemistry of Materials, 2002, 14, 2847-2848.	6.7	458
2	Carbon black: a promising electrode material for sodium-ion batteries. Electrochemistry Communications, 2001, 3, 639-642.	4.7	355
3	Carbon Microspheres Obtained from Resorcinol-Formaldehyde as High-Capacity Electrodes for Sodium-Ion Batteries. Electrochemical and Solid-State Letters, 2005, 8, A222.	2.2	313
4	Structure and Electrochemical Properties of Boron-Doped LiCoO2. Journal of Solid State Chemistry, 1997, 134, 265-273.	2.9	140
5	Characterisation of mesocarbon microbeads (MCMB) as active electrode material in lithium and sodium cells. Carbon, 2000, 38, 1031-1041.	10.3	136
6	Optimizing preparation conditions for 5 V electrode performance, and structural changes in Li1â^'xNi0.5Mn1.5O4 spinel. Electrochimica Acta, 2002, 47, 1829-1835.	5.2	134
7	Electrochemical reaction of lithium with the CoSb3 skutterudite. Journal of Materials Chemistry, 1999, 9, 2517-2521.	6.7	128
8	Enhanced high-rate performance of manganese substituted Na 3 V 2 (PO 4) 3 /C as cathode for sodium-ion batteries. Journal of Power Sources, 2016, 313, 73-80.	7.8	126
9	Structural and Electrochemical Study of New LiNi0.5TixMn1.5-xO4Spinel Oxides for 5-V Cathode Materials. Chemistry of Materials, 2003, 15, 2376-2382.	6.7	121
10	X-ray diffraction and electrochemical impedance spectroscopy study of zinc coated LiNi0.5Mn1.5O4 electrodes. Journal of Electroanalytical Chemistry, 2004, 566, 187-192.	3.8	121
11	Electrochemical reaction of lithium with CoP3. Journal of Power Sources, 2002, 109, 308-312.	7.8	117
12	Negative Electrodes for Lithium- and Sodium-Ion Batteries Obtained by Heat-Treatment of Petroleum Cokes below 1000Â°C. Journal of the Electrochemical Society, 2002, 149, A201.	2.9	115
13	Effect of aluminum doping on carbon loaded Na3V2(PO4)3 as cathode material for sodium-ion batteries. Electrochimica Acta, 2015, 180, 824-830.	5.2	115
14	Changes in oxidation state and magnetic order of iron atoms during the electrochemical reaction of lithium with NiFe2O4. Electrochemistry Communications, 2003, 5, 16-21.	4.7	109
15	Lithiumâ^'Cobalt Citrate Precursors in the Preparation of Intercalation Electrode Materials. Chemistry of Materials, 1996, 8, 1429-1440.	6.7	107
16	Changes in the Local Structure of LiMgyNi0.5-yMn1.5O4Electrode Materials during Lithium Extraction. Chemistry of Materials, 2004, 16, 1573-1579.	6.7	107
17	Advancing towards a veritable calcium-ion battery: CaCo2O4 positive electrode material. Electrochemistry Communications, 2016, 67, 59-64.	4.7	107
18	Formation and Oxidation of Nanosized Metal Particles by Electrochemical Reaction of Li and Na with NiCo2O4:â€‰ X-ray Absorption Spectroscopic Study. Journal of Physical Chemistry C, 2007, 111, 4636-4642.	3.1	103

#	ARTICLE	IF	CITATIONS
19	Na₃V₂(PO₄)₃/C Nanorods with Improved Electrodeâ€"Electrolyte Interface As Cathode Material for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 23151-23159.	8.0	92
20	Reversible intercalation of aluminium into vanadium pentoxide xerogel for aqueous rechargeable batteries. RSC Advances, 2016, 6, 62157-62164.	3.6	91
21	Photoelectron Spectroscopic Study of the Reaction of Li and Na with NiCo2O4. Chemistry of Materials, 2005, 17, 5202-5208.	6.7	85
22	Recent advances in the study of layered lithium transition metal oxides and their application as intercalation electrodes. Journal of Solid State Electrochemistry, 1999, 3, 121-134.	2.5	74
23	EPR, NMR, and Electrochemical Studies of Surface-Modified Carbon Microbeads. Chemistry of Materials, 2006, 18, 2293-2301.	6.7	71
24	Microstructure of the epitaxial film of anatase nanotubes obtained at high voltage and the mechanism of its electrochemical reaction with sodium. CrystEngComm, 2014, 16, 4602-4609.	2.6	71
25	Electrochemical and chemical insertion/deinsertion of magnesium in spinel-type MgMn₂O₄ and lambda-MnO₂ for both aqueous and non-aqueous magnesium-ion batteries. CrystEngComm, 2015, 17, 8728-8735.	2.6	71
26	Electrochemical Interaction of Few-Layer Molybdenum Disulfide Composites vs Sodium: New Insights on the Reaction Mechanism. Chemistry of Materials, 2017, 29, 5886-5895.	6.7	71
27	Applicability of Molybdite as an Electrode Material in Calcium Batteries: A Structural Study of Layer-type Ca_{<i>x</i>}MoO₃. Chemistry of Materials, 2018, 30, 5853-5861.	6.7	63
28	X-ray Diffraction, EPR, and 6Li and 27Al MAS NMR Study of LiAlO2â^'LiCoO2 Solid Solutions. Inorganic Chemistry, 1998, 37, 264-269.	4.0	62
29	Improved Energy Storage Solution Based on Hybrid Oxide Materials. ACS Sustainable Chemistry and Engineering, 2013, 1, 46-56.	6.7	61
30	Electrochemical, textural and microstructural effects of mechanical grinding on graphitized petroleum coke for lithium and sodium batteries. Carbon, 2003, 41, 3003-3013.	10.3	57
31	Lithium/nickel mixing in the transition metal layers of lithium nickelate: high-pressure synthesis of layered Li[LixNi1â^'x]O2 oxides as cathode materials for lithium-ion batteries. Solid State Ionics, 2003, 161, 197-204.	2.7	54
32	New tin-based materials containing cobalt and carbon for lithium-ion batteries. Journal of Electroanalytical Chemistry, 2007, 605, 98-108.	3.8	54
33	Synergistic Effects of Double Substitution in LiNi[sub 0.5â^'y]Fe[sub y]Mn[sub 1.5]O[sub 4] Spinel as 5 V Cathode Materials. Journal of the Electrochemical Society, 2005, 152, A13.	2.9	53
34	EPR study on petroleum cokes annealed at different temperatures and used in lithium and sodium batteries. Carbon, 2002, 40, 2301-2306.	10.3	52
35	Structure and Electrochemical Properties of Li1â€‰â^'â€‰x â€‰(â€‰Ni y Co1â€‰â^'â€‰y â€‰)â€‰1â€‰+â€‰x â€‰Oâ€‰2 at 0Â°C. Journal of the Electrochemical Society, 1995, 142, 3997-4005.	2.9	51
36	Lithiumâ^'Nickel Citrate Precursors for the Preparation of LiNiO2 Insertion Electrodes. Chemistry of Materials, 1997, 9, 2145-2155.	6.7	51

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37	NASICON-type Na3V2(PO4)3 as a new positive electrode material forÂrechargeable aluminium battery. Electrochimica Acta, 2018, 260, 798-804.	5.2	51
38	On the effect of carbon content for achieving a high performing Na3V2(PO4)3/C nanocomposite as cathode for sodium-ion batteries. Journal of Electroanalytical Chemistry, 2017, 784, 47-54.	3.8	49
39	X-ray diffraction, 57Fe MÃ¶ssbauer and step potential electrochemical spectroscopy study of LiFeyCo1â^'yO2 compounds. Journal of Power Sources, 1999, 81-82, 547-553.	7.8	48
40	New LiNi[sub y]Co[sub 1â^'2y]Mn[sub 1+y]O[sub 4] Spinel Oxide Solid Solutions as 5 V Electrode Material for Li-Ion Batteries. Journal of the Electrochemical Society, 2004, 151, A53.	2.9	48
41	Na3V2(PO4)3 as electrode material for rechargeable magnesium batteries: a case of sodium-magnesium hybrid battery. Electrochimica Acta, 2017, 246, 908-913.	5.2	47
42	On the Reliability of Sodium Co-Intercalation in Expanded Graphite Prepared by Different Methods as Anodes for Sodium-Ion Batteries. Journal of the Electrochemical Society, 2017, 164, A3804-A3813.	2.9	44
43	Aluminium coordination in LiNi1â^'yAlyO2 solid solutions. Solid State Ionics, 2000, 128, 1-10.	2.7	42
44	Highâ€Performance Na3V2(PO4)3/C Cathode for Sodiumâ€Ion Batteries Prepared by a Ballâ€Millingâ€Assisted Method. European Journal of Inorganic Chemistry, 2016, 2016, 3212-3218.	2.0	42
45	Cobalt(III) Effect on27Al NMR Chemical Shifts in LiAlxCo1-xO2. Journal of Physical Chemistry B, 2001, 105, 8081-8087.	2.6	40
46	Treasure Na-ion anode from trash coke by adept electrolyte selection. Journal of Power Sources, 2017, 347, 127-135.	7.8	40
47	Long-Length Titania Nanotubes Obtained by High-Voltage Anodization and High-Intensity Ultrasonication for Superior Capacity Electrode. Journal of Physical Chemistry C, 2012, 116, 20182-20190.	3.1	39
48	Improved Surface Stability of C+M_{<i>x</i>}O_{<i>y</i>}@Na₃V₂(PO₄)₃ Prepared by Ultrasonic Method as Cathode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 1471-1478.	8.0	37
49	Nanometric P2-Na2/3Fe1/3Mn2/3O2 with controlled morphology as cathode for sodium-ion batteries. Journal of Alloys and Compounds, 2017, 724, 465-473.	5.5	37
50	Cation order/disorder in lithium transition-metal oxides as insertion electrodes for lithium-ion batteries. Pure and Applied Chemistry, 2002, 74, 1885-1894.	1.9	36
51	Controlled Growth and Application in Lithium and Sodium Batteries of High-Aspect-Ratio, Self-Organized Titania Nanotubes. Journal of the Electrochemical Society, 2013, 160, A1390-A1398.	2.9	35
52	Self-organized amorphous titania nanotubes with deposited graphene film like a new heterostructured electrode for lithium ion batteries. Journal of Power Sources, 2014, 248, 886-893.	7.8	35
53	EPR studies of Li1â^'x(NiyCo1â^'y)1+xO2 solid solutions. Solid State Communications, 1997, 102, 457-462.	1.9	34
54	Electrochemical and 119Sn MÃ¶ssbauer studies of the reaction of Co2SnO4 with lithium. Electrochemistry Communications, 2006, 8, 731-736.	4.7	34

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55	Structural and Electrochemical Properties of Microâ€•and Nanoâ€Crystalline CoSn Electrode Materials. ChemPhysChem, 2008, 9, 1171-1177.	2.1	33
56	On the Effect of Silicon Substitution in Na₃V₂(PO₄)₃ on the Electrochemical Behavior as Cathode for Sodiumâ€Ion Batteries. ChemElectroChem, 2018, 5, 367-374.	3.4	33
57	Electrochemical,6Li MAS NMR, and X-ray and Neutron Diffraction Study of LiCoxFeyMn2-(x+y)O4Spinel Oxides for High-Voltage Cathode Materials. Chemistry of Materials, 2003, 15, 1210-1216.	6.7	32
58	Electrodeposited CoSn2 on nickel open-cell foam: advancing towards high power lithium ion and sodium ion batteries. CrystEngComm, 2013, 15, 9196.	2.6	32
59	Tin oxalate as a precursor of tin dioxide and electrode materials for lithium-ion batteries. Journal of Solid State Electrochemistry, 2001, 6, 55-62.	2.5	31
60	EPR studies of Li deintercalation from LiCoMnO4 spinel-type electrode active material. Journal of Power Sources, 2006, 159, 1389-1394.	7.8	31
61	Electron Paramagnetic Resonance, X-ray Diffraction, MÃ¶ssbauer Spectroscopy, and Electrochemical Studies on Nanocrystalline FeSn₂ Obtained by Reduction of Salts in Tetraethylene Glycol. Chemistry of Materials, 2010, 22, 2268-2275.	6.7	31
62	Tin-Based composite Materials Fabricated by Anodic Oxidation for the Negative Electrode of Li-Ion Batteries. Journal of the Electrochemical Society, 2011, 158, A1094.	2.9	31
63	Local Coordination of Low-Spin Ni3+ Probes in Trigonal LiAlyCo1-yO2 Monitored by HF-EPR. Journal of Physical Chemistry B, 2004, 108, 4053-4057.	2.6	29
64	Tinâ€“carbon composites as anodic material in Li-ion batteries obtained by copyrolysis of petroleum vacuum residue and SnO2. Carbon, 2007, 45, 1396-1409.	10.3	29
65	Rotor blade grinding and re-annealing of LiCoO2: SEM, XPS, EIS and electrochemical study. Journal of Electroanalytical Chemistry, 2005, 584, 147-156.	3.8	28
66	Changes in local Ni/Mn environment in layered LiMgxNi0.5â^’xMn0.5O2(0 â‰ x â‰ 0.10) after electrochemical extraction and reinsertion of lithium. Journal of Materials Chemistry, 2006, 16, 359-369.	6.7	28
67	Improving the Performance of Titania Nanotube Battery Materials by Surface Modification with Lithium Phosphate. ACS Applied Materials & Interfaces, 2014, 6, 5669-5678.	8.0	28
68	High Performance Full Sodiumâ€Ion Cell Based on a Nanostructured Transition Metal Oxide as Negative Electrode. Chemistry - A European Journal, 2015, 21, 14879-14885.	3.3	28
69	Preparation, Sintering, and Electrochemical Properties of Tin Dioxide and Al-Doped Tin Dioxides Obtained from Citrate Precursors. Chemistry of Materials, 2000, 12, 3044-3051.	6.7	27
70	Exploring an Aluminum Ion Battery Based on Molybdite as Working Electrode and Ionic Liquid as Electrolyte. Journal of the Electrochemical Society, 2018, 165, A2994-A2999.	2.9	27
71	Electrochemical Reaction of Lithium with Nanocrystalline CoSn[sub 3]. Electrochemical and Solid-State Letters, 2008, 11, A209.	2.2	26
72	Electrodeposition of copperâ€“tin nanowires on Ti foils for rechargeable lithium micro-batteries with high energy density. Journal of Alloys and Compounds, 2014, 585, 331-336.	5.5	26

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73	Induced Rate Performance Enhancement in Offâ€Stoichiometric Na_{3+3<i>x</i>}V_{2âˆ’<i>x</i>}(PO₄)₃ with Potential Applicability as the Cathode for Sodiumâ€Ion Batteries. Chemistry - A European Journal, 2017, 23, 7345-7352.	3.3	26
74	13C, 1H, 6Li Magic-Angle Spinning Nuclear Magnetic Resonance, Electron Paramagnetic Resonance, and Fourier Transform Infrared Study of Intercalation Electrodes Based in Ultrasoft Carbons Obtained below 3100 K. Chemistry of Materials, 1999, 11, 52-60.	6.7	25
75	Electrochemical reactions of lithium with Li2ZnGe and Li2ZnSi. Electrochimica Acta, 2002, 47, 1115-1120.	5.2	25
76	X-ray Absorption Spectroscopic Study of LiCoO2 as the Negative Electrode of Lithium-Ion Batteries. ChemPhysChem, 2006, 7, 1086-1091.	2.1	25
77	The electrochemical behavior of low-temperature synthesized FeSn2 nanoparticles as anode materials for Li-ion batteries. Journal of Power Sources, 2011, 196, 6768-6771.	7.8	25
78	Evaluation of discharge and cycling properties of skutterudite-type Co1âˆ’2yFeyNiySb3 compounds in lithium cells. Journal of Power Sources, 2002, 107, 74-79.	7.8	24
79	Optimization of the Electrochemical Behavior of Vapor Grown Carbon Nanofibers for Lithium-Ion Batteries by Impregnation, and Thermal and Hydrothermal Treatments. Journal of the Electrochemical Society, 2005, 152, A1797.	2.9	24
80	Nanobelts of Beta-Sodium Vanadate as Electrode for Magnesium and Dual Magnesium-Sodium Batteries. Journal of the Electrochemical Society, 2016, 163, A2781-A2790.	2.9	24
81	Effect of the synthesis procedure on the local cationic distribution in layered LiNi1/2Mn1/2O2. Journal of Alloys and Compounds, 2009, 475, 96-101.	5.5	23
82	Nanocrystalline CoSn2-carbon composite electrode prepared by using sonochemistry. Ultrasonics Sonochemistry, 2012, 19, 352-357.	8.2	23
83	Electron Paramagnetic Resonance and Solid-State NMR Study of Cation Distribution in LiGayCo1-yO2and Effects on the Electrochemical Oxidation. Journal of Physical Chemistry B, 2003, 107, 4290-4295.	2.6	22
84	Influence of oxidative stabilization on the electrochemical behaviour of coal tar pitch derived carbons in lithium batteries. Electrochimica Acta, 2005, 50, 1225-1232.	5.2	22
85	On the Mechanism of Magnesium Storage in Micro- and Nano-Particulate Tin Battery Electrodes. Nanomaterials, 2018, 8, 501.	4.1	22
86	New NixMg6âˆ’xMnO8 Mixed Oxides as Active Materials for the Negative Electrode of Lithium-Ion Cells. Journal of Solid State Chemistry, 2002, 166, 330-335.	2.9	21
87	Nanodispersed iron, tin and antimony in vapour grown carbon fibres for lithium batteries: an EPR and electrochemical study. Carbon, 2004, 42, 2153-2161.	10.3	21
88	Effects of heteroatoms and nanosize on tin-based electrodes. Journal of Power Sources, 2009, 189, 309-314.	7.8	21
89	Ironâ€“carbon composites as electrode materials in lithium batteries. Carbon, 2006, 44, 1762-1772.	10.3	20
90	Electrochemical performance and local cationic distribution in layered LiNi1/2Mn1/2O2 electrodes for lithium ion batteries. Electrochimica Acta, 2009, 54, 1694-1701.	5.2	20

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91	A fractal-like electrode based on double-wall nanotubes of anatase exhibiting improved electrochemical behaviour in both lithium and sodium batteries. Physical Chemistry Chemical Physics, 2015, 17, 4687-4695.	2.8	20
92	Modification of Petroleum Coke for Lithium-Ion Batteries by Heat-Treatment with Iron Oxide. Journal of the Electrochemical Society, 2004, 151, A2113.	2.9	19
93	Advancing towards a Practical Magnesium Ion Battery. Materials, 2021, 14, 7488.	2.9	19
94	Fe3+ and Ni3+ impurity distribution and electrochemical performance of LiCoO2 electrode materials for lithium ion batteries. Journal of Power Sources, 2009, 194, 494-501.	7.8	18
95	CoSn-graphite electrode material prepared by using the polyol method and high-intensity ultrasonication. Electrochimica Acta, 2011, 56, 9808-9817.	5.2	18
96	High-pressure synthesis and electrochemical behavior of layered oxides. Journal of Solid State Chemistry, 2005, 178, 2692-2700.	2.9	17
97	Electrodeposited Polyacrylonitrile and Cobalt-Tin Composite Thin Film on Titanium Substrate. Journal of the Electrochemical Society, 2012, 159, A1028-A1033.	2.9	17
98	SPES, 6Li MAS NMR, and Ni3+ EPR evidence for the formation of Co2+-containing spinel phases in LiCoO2 cycled electrode materials. Journal of Electroanalytical Chemistry, 1998, 454, 173-181.	3.8	16
99	Cobalt and tin oxalates and PAN mixture as a new electrode material for lithium ion batteries. Journal of Electroanalytical Chemistry, 2010, 642, 143-149.	3.8	16
100	On the influence of particle morphology to provide high performing chemically desodiated C@NaV2(PO4)3 as cathode for rechargeable magnesium batteries. Journal of Electroanalytical Chemistry, 2018, 827, 128-136.	3.8	16
101	High-pressure synthesis of Ga-substituted LiCoO2with layered crystal structure. Journal of Materials Chemistry, 2002, 12, 2501-2506.	6.7	15
102	Comparative analysis of the changes in local Ni/Mn environment in lithiumâ€"nickelâ€"manganese oxides with layered and spinel structure during electrochemical extraction and reinsertion of lithium. Journal of Power Sources, 2007, 174, 519-523.	7.8	15
103	PAN-Encapsulated Nanocrystalline CoSn[sub 2] Particles as Negative Electrode Active Material for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2010, 157, A666.	2.9	15
104	Nanocrystalline Fe1â^'xCoxSn2 solid solutions prepared by reduction of salts in tetraethylene glycol. Journal of Alloys and Compounds, 2011, 509, 3074-3079.	5.5	15
105	Insight into the Electrochemical Sodium Insertion of Vanadium Superstoichiometric NASICON Phosphate. Inorganic Chemistry, 2017, 56, 11845-11853.	4.0	15
106	Lithium Insertion into Modified Conducting Domains of Graphitized Carbon Nanotubes. Journal of the Electrochemical Society, 2007, 154, A964.	2.9	14
107	A theoretical and experimental study of hexagonal molybdenum trioxide as dual-ion electrode for rechargeable magnesium battery. Journal of Alloys and Compounds, 2020, 831, 154795.	5.5	14
108	Microstructure and intercalation properties of petrol cokes obtained at 1400Â°C. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1996, 39, 216-223.	3.5	13

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109	Self-organized sodium titanate/titania nanoforest for the negative electrode of sodium-ion microbatteries. Journal of Alloys and Compounds, 2015, 646, 816-826.	5.5	13
110	Composite electrode materials for lithium-ion batteries obtained by metal oxide addition to petroleum vacuum residua. Carbon, 2005, 43, 923-936.	10.3	12
111	Improving the Electrochemical Properties of Self-Organized Titanium Dioxide Nanotubes in Lithium Batteries by Surface Polyacrylonitrile Electropolymerization. Journal of the Electrochemical Society, 2013, 160, A3026-A3035.	2.9	12
112	High-intensity ultrasonication as a way to prepare graphene/amorphous iron oxyhydroxide hybrid electrode with high capacity in lithium battery. Ultrasonics Sonochemistry, 2015, 24, 238-246.	8.2	12
113	Self-Organized, Anatase, Double-Walled Nanotubes Prepared by Anodization under Voltage Ramp as Negative Electrode for Aqueous Sodium-Ion Batteries. Journal of the Electrochemical Society, 2015, 162, A3007-A3012.	2.9	12
114	Self-assembled Li4Ti5O12/TiO2/Li3PO4 for integrated Liâ€"ion microbatteries. Electrochemistry Communications, 2015, 56, 61-64.	4.7	12
115	Optimization of tin intermetallics and composite electrodes for lithium-ion batteries obtained by sonochemical synthesis. Journal of Solid State Electrochemistry, 2013, 17, 2495-2501.	2.5	11
116	119Sn MÃ¶ssbauer spectroscopy: a powerful tool to unfold the reaction mechanism in advanced electrodes for lithium-ion batteries. Hyperfine Interactions, 2008, 187, 13-17.	0.5	10
117	Local Coordination of Fe³⁺ in Layered LiCo_{1âˆ'<i>y</i>}Al_{<i>y</i>}O₂ Oxides Determined by High-Frequency Electron Paramagnetic Resonance Spectroscopy. Inorganic Chemistry, 2009, 48, 4798-4805.	4.0	10
118	FeSn2-Polyacrylonitrile Electrode Obtained by Using High-Intensity Ultrasonication. Electrochemical and Solid-State Letters, 2011, 14, A148.	2.2	10
119	X-ray and neutron diffraction, 57Fe MÃ¶ssbauer spectroscopy and X-ray absorption spectroscopy studies of iron-substituted lithium cobaltate. Solid State Communications, 2000, 115, 1-6.	1.9	9
120	Effect of the high pressure on the structure and intercalation properties of lithiumâ€"nickelâ€"manganese oxides. Journal of Solid State Chemistry, 2007, 180, 1816-1825.	2.9	9
121	Polyacrylonitrile and cobaltâ€"tin compounds based composite and its electrochemical properties in lithium ion batteries. Journal of Alloys and Compounds, 2009, 485, 385-390.	5.5	9
122	Comparative study of composite electrodes containing tin, polyacrylonitrile and cobalt or iron. Journal of Power Sources, 2011, 196, 2893-2898.	7.8	9
123	Theoretical and Experimental Study on the Electrochemical Behavior of Beta-Sodium Vanadate in Rechargeable Magnesium Batteries Using Several Electrolyte Solutions. Journal of the Electrochemical Society, 2020, 167, 070512.	2.9	9
124	Testing the reversible insertion of magnesium in a cation-deficient manganese oxy-spinel through a concentration cell. Dalton Transactions, 2021, 50, 2123-2130.	3.3	9
125	Influence of the oxidative stabilisation treatment time on the electrochemical performance of anthracene oils cokes as electrode materials for lithium batteries. Journal of Power Sources, 2006, 161, 1324-1334.	7.8	8
126	Improved Electrochemical Performance of Tin Dioxide Using a Tin Phosphate-Based Coating. Electrochemical and Solid-State Letters, 2007, 10, A286.	2.2	8

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127	Unfolding Tinâ€"Cobalt Interactions in Oxide-Based Composite Electrodes for Li-Ion Batteries by MÃ¶ssbauer Spectroscopy. ChemPhysChem, 2007, 8, 80-86.	2.1	8
128	Improved coulombic efficiency in nanocomposite thin film based on electrodeposited-oxidized FeNi-electrodes for lithium-ion batteries. Journal of Alloys and Compounds, 2013, 557, 82-90.	5.5	8
129	Morphological adaptability of graphitic carbon nanofibers to enhance sodium insertion in a diglyme-based electrolyte. Dalton Transactions, 2019, 48, 5417-5424.	3.3	8
130	Layered solid solutions of LiNi1â^'xCoxO2with Î±-LiGaO2obtained under high oxygen pressure. Journal of Materials Chemistry, 2004, 14, 366-373.	6.7	7
131	Electrochemical improvement of low-temperature petroleum cokes by chemical oxidation with H2O2 for their use as anodes in lithium ion batteries. Electrochimica Acta, 2006, 52, 1281-1289.	5.2	7
132	57Fe MÃ¶ssbauer spectroscopy and surface modification with zinc and magnesium of LiCo0.8Fe0.2MnO4 5V electrodes. Journal of Power Sources, 2004, 135, 281-285.	7.8	6
133	Effect of oxidative stabilization on the electrochemical performance of carbon mesophases as electrode materials for lithium batteries. Journal of Solid State Electrochemistry, 2005, 9, 627-633.	2.5	5
134	Improving the electrochemistry and microstructure of nickel electrode by deposition on anodized titanium substrate for the electrocatalytic oxidation of methanol and ethanol. Ionics, 2014, 20, 1591-1597.	2.4	5
135	Magnesium Deintercalation From the Spinelâ€Type MgMn 2â€y Fe y O 4 (0.4â‰¤yâ‰¤2.0) by Acidâ€Treatment and Electrochemistry. Chemistry - A European Journal, 2021, 27, 12599-12609.	3.3	5
136	Spinel-type MgxMn2-yFeyO4 as a new electrode for sodium ion batteries. Electrochimica Acta, 2022, 421, 140492.	5.2	5
137	Improving the Electrochemistry of Anatase for Sodium Ion Batteries by Using Self-Organized TiO2 Nanotubes Prepared by Anodization under Variable Voltage. ECS Transactions, 2014, 62, 45-56.	0.5	3
138	Inorganic solids for dual magnesium and sodium battery electrodes. Journal of Solid State Electrochemistry, 2020, 24, 2565-2573.	2.5	3
139	Ultrafine layered LiCoO2 obtained from citrate precursors. Ionics, 1997, 3, 1-15.	2.4	2
140	Changes in the Mechanism of Lithium Extraction by Metal Substitution in High-Voltage Spinel Electrodes. ECS Transactions, 2006, 3, 155-164.	0.5	2
141	A 57Fe MÃ¶ssbauer spectroscopy study of iron nanoparticles obtained in situ in conversion ferrite electrodes. Hyperfine Interactions, 2008, 183, 1-5.	0.5	2
142	Effect of oxidation on the performance of low-temperature petroleum cokes as anodes in lithium ion batteries. Journal of Applied Electrochemistry, 2009, 39, 899-906.	2.9	2
143	Nanodispersed iron, tin and antimony in vapour grown carbon fibres for lithium batteries: an EPR and electrochemical study. Carbon, 2004, 42, 2153-2153.	10.3	1
144	Electrochemical Lithium and Sodium Reactions with Carbon Microspheres Obtained by Polycondensation. ECS Transactions, 2006, 3, 191-198.	0.5	1

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145	Modification of the Electrochemical Behavior of Carbon Nanofibers for Lithium-Ion Batteries by Impregnation, and Thermal and Hydrothermal Treatments. ECS Transactions, 2006, 1, 9-16.	0.5	1
146	Preparation and Characterization of Intermetallic Nanoparticles for Lithium Ion Batteries. Journal of Nano Research, 2012, 17, 53-65.	0.8	1
147	Relationships between the length of self-organized titania nanotube, adsorbed solvents and its electrochemical reaction with lithium. Journal of Solid State Electrochemistry, 2015, 19, 3013-3018.	2.5	1
148	Recent advances in nanocrystalline intermetallic tin compounds for the negative electrode of lithium ion batteries. , 2011, , .		0
149	Nanoscale Tin Heterostructures for Improved Energy Storage in Lithium Batteries. ACS Symposium Series, 2013, , 1-22.	0.5	0
150	Carbon nanomaterials for advanced lithium and sodium-ion batteries. , 2019, , 335-355.		0