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List of Publications by Year
in descending order

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108 papers	6,556 citations	53751 45 h-index	64755 79 g-index
108 all docs	108 docs citations	108 times ranked	6448 citing authors

#	Article	IF	Citations
1	Molten salt synthesis of CoFe2O4 and its energy storage properties. Materials Chemistry and Physics, 2021, 257, 123747.	2.0	12
2	Layered Li 1+x (Ni 0.33 Co 0.33 Mn 0.33)O 2 cathode material prepared by microwave assisted solvothermal method for lithium ion batteries. Materials Research Bulletin, 2017, 93, 381-390.	2.7	11
3	Investigations on the influence of Sm3+ion on the nano TiO2 matrix as the anode material for lithium ion batteries. Journal of Alloys and Compounds, 2017, 710, 205-215.	2.8	15
4	Synthesis and Lithium Storage Properties of Zn, Co and Mg doped SnO2 Nano Materials. Electrochimica Acta, 2017, 247, 358-370.	2.6	37
5	Gel-combustion synthesized vanadium pentoxide nanowire clusters for rechargeable lithium batteries. Journal of Alloys and Compounds, 2017, 695, 850-858.	2.8	24
6	Exfoliated Graphene Oxide/MoO₂ Composites as Anode Materials in Lithium-Ion Batteries: An Insight into Intercalation of Li and Conversion Mechanism of MoO₂. ACS Applied Materials & Interfaces, 2016, 8, 10884-10896.	4.0	116
7	Synthesis, exploration of energy storage and electrochemical sensing properties of hematite nanoparticles. Journal of Alloys and Compounds, 2016, 671, 552-559.	2.8	28
8	SnO and SnOÂ·CoO nanocomposite as high capacity anode materials for lithium ion batteries. Materials Research Bulletin, 2016, 74, 291-298.	2.7	23
9	Anodic electrochemical performances of MgCo 2 O 4 synthesized by oxalate decomposition method and electrospinning technique for Li-ion battery application. Materials Research Bulletin, 2016, 73, 369-376.	2.7	91
10	Graphenothermal reduction synthesis of â€˜exfoliated graphene oxide/iron (II) oxideâ€™ composite for anode application in lithium ion batteries. Journal of Power Sources, 2015, 293, 253-263.	4.0	99
11	Sn-based Intermetallic Alloy Anode Materials for the Application of Lithium Ion Batteries. Electrochimica Acta, 2015, 161, 261-268.	2.6	124
12	Preparation, temperature dependent structural, molecular dynamics simulations studies and electrochemical properties of LiFePO4. Materials Research Bulletin, 2015, 66, 71-75.	2.7	27
13	Electrochemical studies of CNT/Siâ€“SnSb nanoparticles for lithium ion batteries. Materials Research Bulletin, 2015, 70, 478-485.	2.7	41
14	Electrochemical investigation of SnSb nano particles for lithium-ion batteries. Materials Letters, 2015, 150, 24-27.	1.3	24
15	High performance metal nitrides, MN (M = Cr, Co) nanoparticles for non-aqueous hybrid supercapacitors. Advanced Powder Technology, 2015, 26, 783-788.	2.0	85
16	Low temperature molten salt synthesis of Y2Sn2O7 anode material for lithium ion batteries. Electrochimica Acta, 2015, 182, 1060-1069.	2.6	22
17	Facile one pot molten salt synthesis of nano (M1/2Sb1/2Sn)O4 (M=V, Fe, In). Materials Letters, 2015, 140, 115-118.	1.3	28
18	Low temperature molten salt preparation of nano-SnO2 as anode for lithium-ion batteries. Materials Letters, 2015, 138, 231-234.	1.3	78

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19	Electrochemical properties of reheated molten salt synthesized (M1/2Sb1/2Sn)O4 (M = V, Fe, In) cycled in the voltage range of 0.005â€“1.0 and 0.005â€“3.0 V. Solid State Ionics, 2014, 268, 277-281.	1.3	8
20	Low temperature molten salt synthesis of anatase TiO2 and its electrochemical properties. Solid State Ionics, 2014, 262, 120-123.	1.3	35
21	Molten synthesis of ZnO.Fe3O4 and Fe2O3 and its electrochemical performance. Electrochimica Acta, 2014, 118, 75-80.	2.6	73
22	Carbon coated Li3V2(PO4)3 from the single-source precursor, Li2(VO)2(HPO4)2(C2O4)Â·6H2O as cathode and anode materials for Lithium ion batteries. Electrochimica Acta, 2014, 128, 184-191.	2.6	31
23	Studies on the lithium ion diffusion coefficients of electrospun Nb2O5 nanostructures using galvanostatic intermittent titration and electrochemical impedance spectroscopy. Electrochimica Acta, 2014, 128, 198-202.	2.6	86
24	Studies on Bare and Mg-doped LiCoO2 as a cathode material for Lithium ion Batteries. Electrochimica Acta, 2014, 128, 192-197.	2.6	64
25	Li-storage of Fe3O4/C composite prepared by one-step carbothermal reduction method. Journal of Alloys and Compounds, 2013, 565, 90-96.	2.8	51
26	(Li, Al)-co-doped spinel, Li(Li0.1Al0.1Mn1.8)O4 as high performance cathode for lithium ion batteries. Electrochimica Acta, 2013, 88, 745-755.	2.6	92
27	Molten salt method of preparation and cathodic studies on layered-cathode materials Li(Co0.7Ni0.3)O2 and Li(Ni0.7Co0.3)O2 for Li-ion batteries. Journal of Power Sources, 2013, 225, 374-381.	4.0	44
28	Effect of preparation temperature and cycling voltage range on molten salt method prepared SnO2. Electrochimica Acta, 2013, 106, 143-148.	2.6	57
29	Functional properties of electrospun NiO/RuO2 composite carbon nanofibers. Journal of Alloys and Compounds, 2012, 517, 69-74.	2.8	97
30	Synthesis, impedance and electrochemical studies of lithium iron fluorophosphate, LiFePO4F cathode. Electrochimica Acta, 2012, 85, 572-578.	2.6	46
31	Preparation of Li(Ni0.5Mn1.5)O4 by polymer precursor method and its electrochemical properties. Electrochimica Acta, 2012, 62, 269-275.	2.6	38
32	Electrochemical studies on electrospun Li(Li1/3Ti5/3)O4 grains as an anode for Li-ion batteries. Electrochimica Acta, 2012, 67, 33-40.	2.6	35
33	Pb3O4 type antimony oxides MSb2O4 (M=Co, Ni) as anode for Li-ion batteries. Electrochimica Acta, 2012, 71, 227-232.	2.6	34
34	Hybrid supercapacitor with nano-TiP2O7 as intercalation electrode. Journal of Power Sources, 2011, 196, 8850-8854.	4.0	204
35	Electrochemical properties of bare and Ta-substituted Nb2O5 nanostructures. Electrochimica Acta, 2011, 56, 1518-1528.	2.6	57
36	Electrochemical performance of anodized TiO2 Nanotubes for rechargeable Lithium Batteries. Materials Research Society Symposia Proceedings, 2011, 1333, 60201.	0.1	0

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37	Synthesis of compounds, Li(MMn11/6)O4 (M=Mn1/6, Co1/6, (Co1/12Cr1/12), (Co1/12Al1/12), (Cr1/12Al1/12)) by polymer precursor method and its electrochemical performance for lithium-ion batteries. Electrochimica Acta, 2010, 55, 4441-4450.	2.6	71
38	Long-term cycling studies on 4V-cathode, lithium vanadium fluorophosphate. Journal of Power Sources, 2010, 195, 5768-5774.	4.0	168
39	Preparation and electrochemical studies of electrospun TiO2 nanofibers and molten salt method nanoparticles. Electrochimica Acta, 2010, 55, 3109-3117.	2.6	134
40	Lithium-storage and cycleability of nano-CdSnO3 as an anode material for lithium-ion batteries. Journal of Power Sources, 2009, 192, 627-635.	4.0	64
41	Carbothermal synthesis, spectral and magnetic characterization and Li-cyclability of the Mo-cluster compounds, LiYMo3O8 and Mn2Mo3O8. Electrochimica Acta, 2009, 54, 3360-3373.	2.6	82
42	Nanoflake CoN as a high capacity anode for Li-ion batteries. Solid State Ionics, 2009, 180, 1061-1068.	1.3	103
43	Li-storage and cyclability of urea combustion derived ZnFe2O4 as anode for Li-ion batteries. Electrochimica Acta, 2008, 53, 2380-2385.	2.6	232
44	Lithium recycling behaviour of nano-phase-CuCo2O4 as anode for lithium-ion batteries. Journal of Power Sources, 2007, 173, 495-501.	4.0	207
45	Synthesis and electrochemical studies of the 4V cathode, Li(Ni2/3Mn1/3)O2. Journal of Power Sources, 2006, 160, 1369-1374.	4.0	49
46	Anodic properties of tin oxides with pyrochlore structure for lithium ion batteries. Journal of Power Sources, 2006, 159, 340-344.	4.0	26
47	Synthesis by molten salt and cathodic properties of Li(Ni1/3Co1/3Mn1/3)O2. Journal of Power Sources, 2006, 159, 263-267.	4.0	82
48	Metal oxyfluorides TiOF2 and NbO2F as anodes for Li-ion batteries. Journal of Power Sources, 2006, 162, 1312-1321.	4.0	177
49	Effect of AlPO-coating on cathodic behaviour of Li(NiCo)O. Journal of Power Sources, 2005, 141, 129-142.	4.0	152
50	High-performance LiCoO2 by molten salt (LiNO3:LiCl) synthesis for Li-ion batteries. Journal of Power Sources, 2005, 147, 241-248.	4.0	150
51	Cathodic behaviour of NiO-coated Li(Ni1/2Mn1/2)O2. Electrochimica Acta, 2005, 50, 3375-3382.	2.6	53
52	Electrochemical properties of carbon-coated CaWO4 versus Li. Electrochimica Acta, 2005, 50, 5305-5312.	2.6	36
53	Anodic behaviour and X-ray photoelectron spectroscopy of ternary tin oxides. Journal of Power Sources, 2005, 139, 250-260.	4.0	91
54	Mixed oxides Ca2Fe2O5 and Ca2Co2O5 as anode materials for Li-ion batteries. Electrochimica Acta, 2004, 49, 1035-1043.	2.6	71

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55	Structure, superconductivity and magnetic properties of mechanically alloyed Mg1â^'xFexB2 powders with x=0â€“0.4. Acta Materialia, 2004, 52, 1543-1553.	3.8	9
56	Li-ion kinetics and polarization effect on the electrochemical performance of Li(Ni1/2Mn1/2)O2. Electrochimica Acta, 2004, 49, 1565-1576.	2.6	38
57	X-ray photoelectron spectroscopy and electrochemical behaviour of 4 V cathode, Li(Ni1/2Mn1/2)O2. Electrochimica Acta, 2003, 48, 1505-1514.	2.6	114
58	EIS and GITT studies on oxide cathodes, O2-Li(2/3)+x(Co0.15Mn0.85)O2 (x=0 and 1/3). Electrochimica Acta, 2003, 48, 2691-2703.	2.6	174
59	Ironâ€“tin oxides with CaFe2O4 structure as anodes for Li-ion batteries. Journal of Power Sources, 2003, 124, 204-212.	4.0	60
60	Superconductivity of MgB2 after Mechanical Milling. Physica Status Solidi A, 2002, 191, 548-554.	1.7	11
61	Cathodic performance of anatase (TiO2)-coated Li(Ni0.8Co0.2)O2. Journal of Solid State Electrochemistry, 2002, 6, 565-567.	1.2	27
62	Layered manganese oxide with O2 structure, Li(2/3)+x(Ni1/3Mn2/3)O2 as cathode for Li-ion batteries. Electrochemistry Communications, 2002, 4, 633-638.	2.3	35
63	Solâ€“gel derived nano-crystalline CaSnO3 as high capacity anode material for Li-ion batteries. Electrochemistry Communications, 2002, 4, 947-952.	2.3	116
64	Cathodic properties of (Al, Mg) co-doped LiNi0.7Co0.3O2. Solid State Ionics, 2002, 152-153, 199-205.	1.3	24
65	Performance of layered Li(Ni1/3Co1/3Mn1/3)O2 as cathode for Li-ion batteries. Electrochimica Acta, 2002, 48, 145-151.	2.6	917
66	Effect of Cr dopant on the cathodic behavior of LiCoO2. Electrochimica Acta, 2002, 48, 219-226.	2.6	64
67	Effect of aluminium doping on cathodic behaviour of LiNi0.7Co0.3O2. Journal of Power Sources, 2001, 93, 156-162.	4.0	131
68	Snâ€“Ca amorphous alloy as anode for lithium ion battery. Journal of Power Sources, 2001, 97-98, 181-184.	4.0	49
69	Yttrium-doped Li(Ni, Co)O2: an improved cathode for Li-ion batteries. Journal of Power Sources, 2001, 97-98, 313-315.	4.0	12
70	LiAlxCo1â^'xO2 as 4 V cathodes for lithium ion batteries. Journal of Power Sources, 1999, 81-82, 690-695.	4.0	33
71	Raman spectroscopic study of ternary silver tellurite glasses. Materials Research Bulletin, 1999, 34, 327-342.	2.7	60
72	Studies on the role R2On (R=Ga and Cr, n=3; R=Nb and Ta, n=5) in 0.5Li2OÂ·0.5{xR2OnÂ·(1â^'x)B2O3} glass system. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1998, 53, 241-255.	1.7	19

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73	Synthesis and characterization of xCu2OÂ·yTeO2Â·(1â^'xâ^'y)MoO3 glass system. Solid State Ionics, 1998, 113-115, 711-721.	1.3	28
74	Effect of mixed glass-formers in Ag2O.MoO3.TeO2 system. Journal of Physics and Chemistry of Solids, 1997, 58, 515-525.	1.9	49
75	Thermal, electrical and XPS studies of Ag2OÂ·TeO2Â·P2O5 glasses. Journal of Non-Crystalline Solids, 1996, 197, 31-40.	1.5	72
76	Synthesis and characterization of silver borotellurite glasses. Solid State Ionics, 1996, 86-88, 521-526.	1.3	35
77	The influence of Bi2O3 on yLi2O Â· (1 â^' y){xBi2O3(1 â^' x)B2O3} glass system. Solid State Ionics, 1996, 86-88, 527-533.	1.3	25
78	XPS studies on (PEO)nLiCF3SO3 and (PEO)nCu(CF3SO3)2 polymer electrolytes. Electrochimica Acta, 1995, 40, 2109-2114.	2.6	15
79	Surface and electrical studies of CuO:V2O5 thin films. Thin Solid Films, 1995, 260, 161-167.	0.8	4
80	Spectroscopic and electrical studies of silver sulfophosphate glasses. Journal of Non-Crystalline Solids, 1993, 160, 73-81.	1.5	47
81	Structural and Physical Characterization of Li2O:P2O5:MO3 (M = Cr2, Mo, W) Ion Conducting Glasses. Materials Research Society Symposia Proceedings, 1992, 293, 325.	0.1	12
82	Electrical and structural characterization of the xCuO:(1â^'x)V2O5. Solid State Ionics, 1992, 53-56, 1168-1171.	1.3	17
83	Fast ion conduction in Li2Oî—¸GeO2î—¸Nb2O5 glasses. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1992, 14, 17-22.	1.7	2
84	Thermal, physical, electrical and XPS studies of the Li2O:P2O5: MoO3 glass system. Journal of Non-Crystalline Solids, 1991, 128, 18-29.	1.5	62
85	X-ray photoelectron spectroscopic and ionic transport studies on Ag2O:P2O5 glassy system. Materials Research Bulletin, 1991, 26, 1371-1378.	2.7	14
86	Recent Advances in Fast Ion Conducting Materials and Devices. , 1990, , .		2
87	X-ray photoelectron spectroscopic studies of molybdenum phosphate glassy system. Journal of Non-Crystalline Solids, 1990, 119, 95-102.	1.5	67
88	Thermal, physical and electrical characterization of lithium boroarsenate glasses. Journal of Non-Crystalline Solids, 1990, 116, 16-26.	1.5	15
89	Ionic conductivity studies on Li1â^'xM2â^'xMâ€²xP3O12 (H = Hf, Zr; Mâ€² = Ti, Nb). Materials Research Bulletin, 1989, 24, 221-229.	2.7	39
90	Electrical and electrochemical characterization of Li2O:P2O5:Nb2O5-based solid electrolytes. Journal of Non-Crystalline Solids, 1989, 110, 101-110.	1.5	70

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91	Ionic conductivity studies of the vitreous Li2O:P2O5:Ta2O5 system. Journal of Non-Crystalline Solids, 1989, 108, 323-332.	1.5	33
92	Characterization of Ag2O:MoO3:P2O5 glasses. Solid State Ionics, 1988, 28-30, 704-709.	1.3	30
93	Ionic transport studies of lithium phosphoarsenate glassy system. Solid State Ionics, 1988, 28-30, 747-751.	1.3	11
94	Investigations of AgX:Ag2O:MoO3:P2O5 glassy system (X = I, Br, Cl). Journal of Non-Crystalline Solids, 1988, 105, 269-274.	1.5	22
95	Ionic transport studies of solid electrolytes using microcomputer controlled instrumentation. Solid State Ionics, 1987, 24, 225-233.	1.3	16
96	Electrical properties of thin solid films of the solid electrolyte Ag5IW2O8. Thin Solid Films, 1983, 101, 131-139.	0.8	6
97	Studies on Ag6I4CrO4 thinfilm solid electrolyte. Solid State Ionics, 1983, 9-10, 1449-1454.	1.3	2
98	Electronic absorption spectra of MnO4â^' ions in single crystals of alums. Chemical Physics Letters, 1980, 69, 117-120.	1.2	2
99	CrO43- centers in NH4Al(SO4)2.12H2 O single crystals. Solid State Communications, 1979, 31, 453-456.	0.9	11
100	Thermal depolarization in dichromate doped KDP and ADP single crystals. Solid State Communications, 1979, 29, 687-690.	0.9	9
101	Optical properties of dichromate centers in some lattices. Chemical Physics Letters, 1978, 59, 311-315.	1.2	12
102	EPR studies of MoO3+ in NH4Br single crystals. Chemical Physics Letters, 1976, 42, 319-322.	1.2	2
103	Electrical conductivity and infrared absorption of VO2+ doped alkali halides. Chemical Physics Letters, 1976, 44, 121-124.	1.2	1
104	EPR studies of a molybdenyl complex in single crystals of NH4Cl. Chemical Physics Letters, 1975, 30, 231-234.	1.2	8
105	Interstitial halogen centers in X-irradiated CsBr. Journal of Physics and Chemistry of Solids, 1972, 33, 1773-1783.	1.9	21
106	Optical absorption spectra of H center in CsBr. Solid State Communications, 1971, 9, 689-691.	0.9	5
107	Electron paramagnetic resonance study of Mn2+in (NH4)2Mg2(SO4)3and (NH4)2Zn2(SO4)3 crystals. Journal of Physics and Chemistry of Solids, 1970, 31, 1408-1412.	1.9	2
108	Electron paramagnetic resonance of Mn2+ IN (NH4)2Co2(SO4)3 and (NH4)2Ni2(SO4)3 single crystals. Journal of Physics and Chemistry of Solids, 1969, 30, 2747-2757.	1.9	10