Prabeer Barpanda

List of Publications by Year
in descending order

148 papers	6,247 citations	70961 41 h-index	71532 76 g-index
164 all docs	164 docs citations	164 times ranked	5040 citing authors

#	Article	IF	Citations
1	Magnetic structure of fluorophosphate Na2MnPO4F sodium battery material. Journal of Solid State Chemistry, 2022, 308, 122926.	1.4	2
2	Potassium Cobalt Pyrophosphate as a Nonprecious Bifunctional Electrocatalyst for Zincâ€“Air Batteries. ACS Applied Materials & Interfaces, 2022, 14, 8992-9001.	4.0	9
3	Manganese-Based Tunnel-Type Cathode Materials for Secondary Li-Ion and K-Ion Batteries. Inorganic Chemistry, 2022, 61, 3959-3969.	1.9	3
4	Aqueous spray-drying synthesis of alluaudite Na2+2xFe2â^'x(SO4)3 sodium insertion material: studies of electrochemical activity, thermodynamic stability, and humidity-induced phase transition. Journal of Solid State Electrochemistry, 2022, 26, 1941-1950.	1.2	5
5	Facile synthesis and phase stability of Cu-based Na₂Cu(SO₄)₂Â·xH₂O (x = 0â€“2) sulfate minerals as conversion type battery electrodes. Dalton Transactions, 2022, 51, 11169-11179.	1.6	2
6	Biowaste-Derived Highly Porous N-Doped Carbon as a Low-Cost Bifunctional Electrocatalyst for Hybrid Sodiumâ€“Air Batteries. ACS Sustainable Chemistry and Engineering, 2022, 10, 9077-9086.	3.2	7
7	Performance Evaluation of the LiFePO4OH Cathode for Stationary Storage Applications Using a Reduced-Order Electrochemical Model. ACS Applied Energy Materials, 2021, 4, 1021-1032.	2.5	6
8	Perovskite lead-based oxide anodes for rechargeable batteries. Electrochemistry Communications, 2021, 127, 107038.	2.3	10
9	Cobalt Metaphosphates as Economic Bifunctional Electrocatalysts for Hybrid Sodiumâ€“Air Batteries. Inorganic Chemistry, 2021, 60, 11974-11983.	1.9	5
10	Marinite Li₂Ni(SO₄)₂ as a New Member of the Bisulfate Family of High-Voltage Lithium Battery Cathodes. Chemistry of Materials, 2021, 33, 6108-6119.	3.2	7
11	Crystal and Magnetic Structures of Monoclinic FeOHSO4. Inorganic Chemistry, 2021, 60, 15128-15130.	1.9	1
12	Cobalt tetraphosphate as an efficient bifunctional electrocatalyst for hybrid sodium-air batteries. Nano Energy, 2021, 89, 106485.	8.2	11
13	An overview of hydroxy-based polyanionic cathode insertion materials for metal-ion batteries. Physical Chemistry Chemical Physics, 2021, 23, 18283-18299.	1.3	3
14	In Situ X-Ray Diffraction and Alkali Ion (Aâ€‰=â€‰Li, Na, K) Intercalation Behavior of Na2FeP2O7 Pyrophosphate. , 2021, , 125-131.		0
15	Combustion Synthesized MLi2Ti6O14 (MÂ=ÂSr,ÂBa,ÂPb) Titanate Anodes for Lithium-Ion Batteries. , 2021, , 9-17.		0
16	Reversible Sodium and Potassium-Ion Intercalation in Na0.44MnO2. , 2021, , 27-33.		0
17	Structural change induced by electrochemical sodium extraction from layered Oâ€²3-NaMnO₂. Journal of Materials Chemistry A, 2021, 9, 26810-26819.	5.2	10
18	Revisiting the layered Na3Fe3(PO4)4 phosphate sodium insertion compound: structure, magnetic and electrochemical study. Materials Research Express, 2020, 7, 014001.	0.8	6

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19	Fluorophosphates as Efficient Bifunctional Electrocatalysts for Metalâ€“Air Batteries. ACS Catalysis, 2020, 10, 43-50.	5.5	29
20	P3-type layered K_{0.48}Mn_{0.4}Co_{0.6}O₂: a novel cathode material for potassium-ion batteries. Chemical Communications, 2020, 56, 2272-2275.	2.2	27
21	Potassium-ion intercalation in anti-NASICON-type iron molybdate Fe2(MoO4)3. Electrochemistry Communications, 2020, 110, 106617.	2.3	12
22	Electrochemical insertion of potassium ions in Na4Fe3(PO4)2P2O7 mixed phosphate. Journal of Power Sources, 2020, 480, 228794.	4.0	18
23	Fluorophosphates: Next Generation Cathode Materials for Rechargeable Batteries. Advanced Energy Materials, 2020, 10, 2001449.	10.2	50
24	Metal fluorophosphate polyanionic insertion hosts as efficient bifunctional electrocatalysts for oxygen evolution and reduction reactions. Journal of Materials Chemistry A, 2020, 8, 18651-18658.	5.2	7
25	The design of zinc-substituted cobalt (pyro)phosphates as efficient bifunctional electrocatalysts for zincâ€“air batteries. Chemical Communications, 2020, 56, 8400-8403.	2.2	6
26	Operando Sodiation Mechanistic Study of a New Antimony-Based Intermetallic CoSb as a High-Performance Sodium-Ion Battery Anode. Journal of Physical Chemistry C, 2020, 124, 15757-15768.	1.5	11
27	Iron-Based Mixed Phosphate Na₄Fe₃(PO₄)₂P₂O₇ Thin Films for Sodium-Ion Microbatteries. ACS Omega, 2020, 5, 7219-7224.	1.6	19
28	Alluaudite Battery Cathodes. Small Methods, 2020, 4, 2000051.	4.6	22
29	Alluaudite NaCoFe₂(PO₄)₃ as a 2.9 V Cathode for Sodium-Ion Batteries Exhibiting Bifunctional Electrocatalytic Activity. Chemistry of Materials, 2019, 31, 7501-7509.	3.2	12
30	Cobalt and Nickel Phosphates as Multifunctional Air-Cathodes for Rechargeable Hybrid Sodium-Air Battery Applications. ACS Applied Materials & Interfaces, 2019, 11, 33811-33818.	4.0	19
31	Phase transformation and functional behavior of Na2MP2O7 (M = Mn, Co) pyrophosphates. AIP Conference Proceedings, 2019, , .	0.3	0
32	Electrocatalytic activity of co-redox center in phosphate-based oxyanionic sodium battery materials. AIP Conference Proceedings, 2019, , .	0.3	1
33	Cryptomelane K_{1.33}Mn₈O₁₆ as a cathode for rechargeable aqueous zinc-ion batteries. Journal of Materials Chemistry A, 2019, 7, 23981-23988.	5.2	43
34	Phase transformation in Na-Fe-S-O quaternary sulfate cathode materials. AIP Conference Proceedings, 2019, , .	0.3	1
35	Na₂MnP₂O₇ polymorphs as efficient bifunctional catalysts for oxygen reduction and oxygen evolution reactions. Chemical Communications, 2019, 55, 11595-11598.	2.2	12
36	Narsarsukite Na2TiOSi4O10 as a Low Voltage Silicate Anode for Rechargeable Li-Ion and Na-Ion Batteries. ACS Applied Energy Materials, 2019, 2, 2350-2355.	2.5	2

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37	Diffusional and electrochemical investigation of combustion synthesized BaLi2Ti6O14 titanate anode for rechargeable batteries. Journal of Materials Research, 2019, 34, 158-168.	1.2	3
38	Reactive template synthesis of Li1.2Mn0.54Ni0.13Co0.13O2 nanorod cathode for Li-ion batteries: Influence of temperature over structural and electrochemical properties. Electrochimica Acta, 2019, 317, 398-407.	2.6	27
39	Structural and electrochemical investigation of binary Na2Fe1-xZnxP2O7 (0 â‰¤ x â‰¤ 1) pyrophosphate cathodes for sodium-ion batteries. Journal of Solid State Chemistry, 2019, 277, 329-336.	1.4	12
40	Frontispiece: Sodium Cobalt Metaphosphate as an Efficient Oxygen Evolution Reaction Catalyst in Alkaline Solution. Angewandte Chemie - International Edition, 2019, 58, .	7.2	0
41	Frontispiz: Sodium Cobalt Metaphosphate as an Efficient Oxygen Evolution Reaction Catalyst in Alkaline Solution. Angewandte Chemie, 2019, 131, .	1.6	11
42	Tavorite LiFePO4OH hydroxyphosphate as an anode for aqueous lithium-ion batteries. Journal of Power Sources, 2019, 429, 17-21.	4.0	18
43	Low-Cost Rapid Template-Free Synthesis of Nanoscale Zinc Spinels for Energy Storage and Electrocatalytic Applications. ACS Applied Energy Materials, 2019, 2, 3211-3219.	2.5	17
44	Sodium Cobalt Metaphosphate as an Efficient Oxygen Evolution Reaction Catalyst in Alkaline Solution. Angewandte Chemie - International Edition, 2019, 58, 8330-8335.	7.2	60
45	Sodium Cobalt Metaphosphate as an Efficient Oxygen Evolution Reaction Catalyst in Alkaline Solution. Angewandte Chemie, 2019, 131, 8418-8423.	1.6	1
46	Superior potassium-ion hybrid capacitor based on novel P3-type layered K0.45Mn0.5Co0.5O2 as high capacity cathode. Chemical Engineering Journal, 2019, 368, 235-243.	6.6	80
47	Ultrasonic sonochemical synthesis of Na0.44MnO2 insertion material for sodium-ion batteries. Journal of Power Sources, 2019, 416, 50-55.	4.0	11
48	Polymorphism and Temperature-Induced Phase Transitions of Na₂CoP₂O₇. Inorganic Chemistry, 2019, 58, 16823-16830.	1.9	3
49	An Overview of Mixed Polyanionic Cathode Materials for Sodiumâ€Ion Batteries. Small Methods, 2019, 3, 1800253.	4.6	87
50	In Situ Neutron Diffraction Studies of LiCe(WO₄)₂ Polymorphs: Phase Transition and Structureâ€“Property Correlation. Journal of Physical Chemistry C, 2019, 123, 1041-1049.	1.5	9
51	Operando Structural and Electrochemical Investigation of Li_{1.5}V₃O₈ Nanorods in Li-ion Batteries. ACS Applied Energy Materials, 2019, 2, 852-859.	2.5	7
52	Na₂FePO₄F Fluorophosphate as Positive Insertion Material for Aqueous Sodiumâ€Ion Batteries. ChemElectroChem, 2019, 6, 444-449.	1.7	27
53	Swift Combustion Synthesis of PbLi₂Ti₆O₁₄ Anode for Lithium-Ion Batteries: Diffusional and Electrochemical Investigation. Journal of the Electrochemical Society, 2019, 166, A5122-A5130.	1.3	6
54	Preferentially oriented SrLi2Ti6O14 thin film anode for Li-ion micro-batteries fabricated by pulsed laser deposition. Electrochimica Acta, 2018, 269, 212-216.	2.6	6

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55	Electrocatalytic Activity of Some Cobalt Based Sodium Phosphates in Alkaline Solution. MRS Advances, 2018, 3, 1215-1220.	0.5	4
56	Sodium Metal Sulphate Alluaudite Class of High Voltage Battery Insertion Materials. MRS Advances, 2018, 3, 1209-1214.	0.5	7
57	Ultra-rapid combustion synthesis of Na2FePO4F fluorophosphate host for Li-ion and Na-ion insertion. Ionics, 2018, 24, 2187-2192.	1.2	15
58	Electrochemical and diffusional insights of combustion synthesized SrLi 2 Ti 6 O 14 negative insertion material for Li-ion Batteries. Journal of Power Sources, 2018, 385, 122-129.	4.0	6
59	Earthâ€Abundant Alkali Iron Phosphates (AFePO₄) as Efficient Electrocatalysts for the Oxygen Reduction Reaction in Alkaline Solution. ChemCatChem, 2018, 10, 1122-1127.	1.8	32
60	Bifunctional Electrocatalytic Behavior of Sodium Cobalt Phosphates in Alkaline Solution. ChemElectroChem, 2018, 5, 153-158.	1.7	42
61	Role of annealing temperature on cation ordering in hydrothermally prepared zinc aluminate (ZnAl2O4) spinel. Materials Research Bulletin, 2018, 98, 219-224.	2.7	42
62	In-situ deposition of sodium titanate thin film as anode for sodium-ion micro-batteries developed by pulsed laser deposition. Journal of Colloid and Interface Science, 2018, 514, 117-121.	5.0	13
63	Layered Na₂Mn₃O₇ as a 3.1 V Insertion Material for Li-Ion Batteries. ACS Applied Energy Materials, 2018, 1, 6719-6724.	2.5	26
64	Cubic Sodium Cobalt Metaphosphate [NaCo(PO₃)₃] as a Cathode Material for Sodium Ion Batteries. Inorganic Chemistry, 2018, 57, 6324-6332.	1.9	19
65	Revisiting the alluaudite NaMnFe2(PO4)3 sodium insertion material: Structural, diffusional and electrochemical insights. Electrochimica Acta, 2018, 283, 850-857.	2.6	19
66	Exploration of Iron-Based Mixed Polyanion Cathode Material for Thin-Film Sodium-Ion Batteries. ECS Transactions, 2018, 85, 227-234.	0.3	7
67	Electrocatalytic Oxygen Reduction Reaction Activity of Sodium Metal Phosphate Based Insertion Cathodes. ECS Transactions, 2018, 85, 1221-1227.	0.3	3
68	Potassium Intercalation into Sodium Metal Oxide and Polyanionic Hosts: Few Case Studies. ECS Transactions, 2018, 85, 207-214.	0.3	5
69	Polyanionic Insertion Materials for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1703055.	10.2	267
70	An Overview of Nanostructured Li-based Thin Film Micro-batteries. Proceedings of the Indian National Science Academy, 2018, 98, .	0.5	7
71	Enabling the Electrochemical Activity in Sodium Iron Metaphosphate [NaFe(PO₃)₃] Sodium Battery Insertion Material: Structural and Electrochemical Insights. Inorganic Chemistry, 2017, 56, 5918-5929.	1.9	29
72	Magnetic structure and properties of centrosymmetric twisted-melilite K2CoP2O7. Dalton Transactions, 2017, 46, 6409-6416.	1.6	10

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73	Alluaudite class of high voltage sodium insertion materials: An interplay of polymorphism and magnetism. AIP Conference Proceedings, 2017, , .	0.3	2
74	Mechanistic study of Na-ion diffusion and small polaron formation in KrÃ¶hnkite Na₂Fe(SO₄)₂Â·2H₂O based cathode materials. Journal of Materials Chemistry A, 2017, 5, 21726-21739.	5.2	18
75	Electrochemical and Diffusional Investigation of Na₂Fe^{II}PO₄F Fluorophosphate Sodium Insertion Material Obtained from Fe^{III} Precursor. ACS Applied Materials & Interfaces, 2017, 9, 34961-34969.	4.0	28
76	Electrochemical potassium-ion intercalation in Na_xCoO₂: a novel cathode material for potassium-ion batteries. Chemical Communications, 2017, 53, 8588-8591.	2.2	58
77	Autocombustion Synthesis of Nanostructured Na₂Ti₆O₁₃Negative Insertion Material for Na-Ion Batteries: Electrochemical and Diffusion Mechanism. Journal of the Electrochemical Society, 2017, 164, A1881-A1886.	1.3	12
78	Na_{2.32}Co_{1.84}(SO₄)₃ as a new member of the alluaudite family of high-voltage sodium battery cathodes. Dalton Transactions, 2017, 46, 55-63.	1.6	52
79	Porous, hollow Li1.2Mn0.53Ni0.13Co0.13O2 microspheres as a positive electrode material for Li-ion batteries. Journal of Solid State Electrochemistry, 2017, 21, 437-445.	1.2	12
80	Layered P2-Na_xCoO₂and Na_xFeO₂as Cathode Materials for Potassium-Ion Batteries. ECS Transactions, 2017, 80, 357-364.	0.3	6
81	Sustainable Aqueous Synthesis and Electrochemical Insights on High-Voltage Sodium Alluaudite Insertion Materials. ECS Transactions, 2017, 80, 337-342.	0.3	10
82	Ionothermal Synthesis of High-Voltage Alluaudite Na_{2+2x}Fe_{2-x}(SO₄)₃ Sodium Insertion Compound: Structural, Electronic, and Magnetic Insights. ACS Applied Materials & Interfaces, 2016, 8, 6982-6991.	4.0	66
83	Sonochemical Synthesis of Nanostructured Spinel Li4Ti5O12 Negative Insertion Material for Li-ion and Na-ion Batteries. Electrochimica Acta, 2016, 222, 898-903.	2.6	14
84	Pursuit of Sustainable Iron-Based Sodium Battery Cathodes: Two Case Studies. Chemistry of Materials, 2016, 28, 1006-1011.	3.2	64
85	Na₂M₂(SO₄)₃ (M = Fe, Mn, Co and Ni): towards high-voltage sodium battery applications. Physical Chemistry Chemical Physics, 2016, 18, 9658-9665.	1.3	40
86	Role of Fuel on Cation Disorder in Magnesium Aluminate (MgAl₂O₄) Spinel Prepared by Combustion Synthesis. Journal of the American Ceramic Society, 2015, 98, 2908-2913.	1.9	16
87	Designing Novel Sulphate-based Ceramic Materials as Insertion Host Compounds for Secondary Batteries. Transactions of the Indian Ceramic Society, 2015, 74, 191-194.	0.4	7
88	Energy-savvy solid-state and sonochemical synthesis of lithium sodium titanate as an anode active material for Li-ion batteries. Journal of Power Sources, 2015, 296, 276-281.	4.0	30
89	Insight into the limited electrochemical activity of NaVP₂O₇. RSC Advances, 2015, 5, 64991-64996.	1.7	48
90	Na_{2.44}Mn_{1.79}(SO₄)₃: a new member of the alluaudite family of insertion compounds for sodium ion batteries. Journal of Materials Chemistry A, 2015, 3, 18564-18571.	5.2	99

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91	Lithium metal borate (LiMBO3) family of insertion materials for Li-ion batteries: a sneak peak. Ionics, 2015, 21, 1801-1812.	1.2	30
92	Sulfate Chemistry for Highâ€Voltage Insertion Materials: Synthetic, Structural and Electrochemical Insights. Israel Journal of Chemistry, 2015, 55, 537-557.	1.0	54
93	An alluaudite Na2+2Fe2â‾(SO4)3(x= 0.2) derivative phase as insertion host for lithium battery. Electrochemistry Communications, 2015, 51, 19-22.	2.3	52
94	tâ€Na₂(VO)P₂O₇: A 3.8â€...V Pyrophosphate Insertion Material for Sodiumâ€Ion Batteries. ChemElectroChem, 2014, 1, 1488-1491.	1.7	55
95	Structural, magnetic and electrochemical investigation of novel binary Na2â‾x(Fe1â‾yMny)P2O7 (0 â‰¤ y â‰¤) Tj ETQq1 1 0.784314 rg 305-311.	1.3	37
96	A 3.8-V earth-abundant sodium battery electrode. Nature Communications, 2014, 5, 4358.	5.8	676
97	KrÃ¶hnkite-Type Na₂Fe(SO₄)₂Â·2H₂O as a Novel 3.25 V Insertion Compound for Na-Ion Batteries. Chemistry of Materials, 2014, 26, 1297-1299.	3.2	128
98	Magnetic Structure and Properties of the Rechargeable Battery Insertion Compound Na₂FePO₄F. Inorganic Chemistry, 2014, 53, 682-684.	1.9	30
99	Sodium-ion battery cathodes Na₂FeP₂O₇ and Na₂MnP₂O₇: diffusion behaviour for high rate performance. Journal of Materials Chemistry A, 2014, 2, 11807-11812.	5.2	92
100	Magnetic Structures of NaFePO₄ Maricite and Triphylite Polymorphs for Sodium-Ion Batteries. Inorganic Chemistry, 2013, 52, 8685-8693.	1.9	121
101	Na₂FeP₂O₇: A Safe Cathode for Rechargeable Sodium-ion Batteries. Chemistry of Materials, 2013, 25, 3480-3487.	3.2	291
102	General Observation of Fe³⁺/Fe²⁺ Redox Couple Close to 4 V in Partially Substituted Li₂FeP₂O₇ Pyrophosphate Solid-Solution Cathodes. Chemistry of Materials, 2013, 25, 3623-3629.	3.2	42
103	A new polymorph of Na2MnP2O7 as a 3.6 V cathode material for sodium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 4194.	5.2	175
104	Sodium manganese fluorosulfate with a triplite structure. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2013, 69, 584-588.	0.5	9
105	Magnetic Structure and Properties of the Na₂CoP₂O₇ Pyrophosphate Cathode for Sodium-Ion Batteries: A Supersuperexchange-Driven Non-Collinear Antiferromagnet. Inorganic Chemistry, 2013, 52, 395-401.	1.9	51
106	A layer-structured Na2CoP2O7 pyrophosphate cathode for sodium-ion batteries. RSC Advances, 2013, 3, 3857.	1.7	104
107	Neutron Diffraction Study of the Li-Ion Battery Cathode Li₂FeP₂O₇. Inorganic Chemistry, 2013, 52, 3334-3341.	1.9	31
108	High-Throughput Solution Combustion Synthesis of High-Capacity LiFeBO₃Cathode. Journal of the Electrochemical Society, 2013, 160, A3095-A3099.	1.3	32

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109	Demonstration of Co3+/Co2+ Electrochemical Activity in LiCoBO3 Cathode at 4.0 V. ECS Electrochemistry Letters, 2013, 2, A75-A77.	1.9	24
110	Observation of the highest Mn3+/Mn2+ redox potential of 4.45 V in a Li2MnP2O7 pyrophosphate cathode. Journal of Materials Chemistry, 2012, 22, 24526.	6.7	60
111	Polymorphs of LiFeSO4F as cathode materials for lithium ion batteries â€“ a first principle computational study. Physical Chemistry Chemical Physics, 2012, 14, 8678.	1.3	57
112	Fe³⁺/Fe²⁺ Redox Couple Approaching 4 V in Li_{2â€“x}(Fe_{1â€“y}Mn_y)P₂O₇ Pyrophosphate Cathodes. Chemistry of Materials, 2012, 24, 1055-1061.	3.2	76
113	Eco-efficient splash combustion synthesis of nanoscale pyrophosphate (Li2FeP2O7) positive-electrode using Fe(iii) precursors. Journal of Materials Chemistry, 2012, 22, 13455.	6.7	54
114	Sodium iron pyrophosphate: A novel 3.0 V iron-based cathode for sodium-ion batteries. Electrochemistry Communications, 2012, 24, 116-119.	2.3	313
115	Electrochemical Redox Mechanism in 3.5 V Li_{2-x}FeP₂O₇ (0 â‰) Tj ETQq1 1 0.784314	3.2	41
116	Highâ€Voltage Pyrophosphate Cathodes. Advanced Energy Materials, 2012, 2, 841-859.	10.2	208
117	Enabling the Li-ion conductivity of Li-metal fluorosulphates by ionic liquid grafting. Journal of Solid State Electrochemistry, 2012, 16, 1743-1751.	1.2	17
118	Synthesis and crystal chemistry of the NaMSO4F family (M=Mg, Fe, Co, Cu, Zn). Solid State Sciences, 2012, 14, 15-20.	1.5	60
119	Direct and modified ionothermal synthesis of LiMnPO4 with tunable morphology for rechargeable Li-ion batteries. Journal of Materials Chemistry, 2011, 21, 10143.	6.7	67
120	Synthesis of New Fluorosulphate Materials Using Different Approaches. ECS Transactions, 2011, 35, 57-63.	0.3	2
121	A 3.90 V iron-based fluorosulphate material for lithium-ion batteries crystallizing in the triplite structure. Nature Materials, 2011, 10, 772-779.	13.3	301
122	LiZnSO₄F Made in an Ionic Liquid: A Ceramic Electrolyte Composite for Solidâ€State Lithium Batteries. Angewandte Chemie - International Edition, 2011, 50, 2526-2531.	7.2	79
123	Structural and Electrochemical Diversity in LiFe_{1â^'Î´}Zn_{Î´}SO₄F Solid Solution: A Feâ€Based 3.9â€…V Positiveâ€Electrode Material. Angewandte Chemie - International Edition, 2011, 50, 10574-10577.	7.2	39
124	Structure, surface morphology and electrochemical properties of brominated activated carbons. Carbon, 2011, 49, 2538-2548.	5.4	84
125	Magnetisation reversal in cylindrical nickel nanobars involving magnetic vortex structure: A micromagnetic study. Physica B: Condensed Matter, 2011, 406, 1336-1340.	1.3	1
126	Hunting for Better Li-Based Electrode Materials via Low Temperature Inorganic Synthesis. Chemistry of Materials, 2010, 22, 724-739.	3.2	224

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127	Structural and electrochemical modification of graphitic carbons by vapor-phase iodine-incorporation. Carbon, 2010, 48, 4178-4189.	5.4	18
128	Synthesis of Fluorosulphates Positive Electrodes for Li-ion Batteries via a Solid-State Dry Process. ECS Meeting Abstracts, 2010, , .	0.0	0
129	Structural, Transport, and Electrochemical Investigation of Novel AMSO₄F (A = Na, Li; M =) Tj ETQq1 1 0.784314 rgBT /Ove Chemistry, 2010, 49, 7401-7413.	1.9	166
130	Structure and electrochemical properties of novel mixed Li(Fe1â^'xMx)SO4F (M = Co, Ni, Mn) phases fabricated by low temperature ionothermal synthesis. Journal of Materials Chemistry, 2010, 20, 1659.	6.7	123
131	Fluorosulfate Positive Electrodes for Li-Ion Batteries Made via a Solid-State Dry Process. Journal of the Electrochemical Society, 2010, 157, A1007.	1.3	46
132	Synthesis, Structural, and Transport Properties of Novel Bihydrated Fluorosulphates NaMSO₄FÂ·2H₂O (M = Fe, Co, and Ni). Chemistry of Materials, 2010, 22, 4062-4068.	3.2	49
133	Fabrication, Physical and Electrochemical Investigation of Microporous Carbon Polyiodide Nanocomposites. Journal of the Electrochemical Society, 2009, 156, A873.	1.3	10
134	The Role of Magnetic Vortex Formation in Chains of Spherical FeNi Nanoparticles: A Micromagnetics Study. Japanese Journal of Applied Physics, 2009, 48, 103002.	0.8	7
135	Micromagnetics of magnetisation reversal mechanism in Permalloy chain-of-sphere structure with magnetic vortices. Computational Materials Science, 2009, 45, 240-246.	1.4	4
136	Stability of Larger Ferromagnetic Chain-of-sphere Nanostructure Comprising Magnetic Vortices. Materials Research Society Symposia Proceedings, 2008, 1071, 1.	0.1	0
137	Structure and Electrochemistry of Carbon-Bromine Nanocomposite Electrodes for Electrochemical Energy Storage. Materials Research Society Symposia Proceedings, 2008, 1127, 1.	0.1	2
138	Microporous Carbon-halide Nanocomposites Electrodes for Symmetric and Asymmetric Capacitor. Materials Research Society Symposia Proceedings, 2008, 1100, 6041.	0.1	0
139	Carbon-Halide Nanocomposites for Asymmetric Hybrid Supercapacitors. Materials Research Society Symposia Proceedings, 2007, 1056, 1.	0.1	0
140	Physical and Electrochemical Properties of Iodine-Modified Activated Carbons. Journal of the Electrochemical Society, 2007, 154, A467.	1.3	21
141	The physical and electrochemical characterization of vapor phase iodated activated carbons. Electrochimica Acta, 2007, 52, 7136-7147.	2.6	20
142	Activated Carbons for High Power Energy Storage: Below the Surface of Non-Faradaic Reactions. Materials Research Society Symposia Proceedings, 2006, 973, 1.	0.1	1
143	Chemically induced order disorder transition in magnesium aluminium spinel. Journal of the European Ceramic Society, 2006, 26, 2603-2609.	2.8	32
144	Evolution and propagation of magnetic vortices in chains of Permalloy nanospheres. Journal of Applied Physics, 2006, 99, 08G103.	1.1	15

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145	Compression Strength of Saline Water-exposed Epoxy System Containing Fly Ash Particles. Journal of Reinforced Plastics and Composites, 2005, 24, 1567-1576.	1.6	14
146	Off-axis electron holography of pseudo-spin-valve thin-film magnetic elements. Journal of Applied Physics, 2005, 98, 013903.	1.1	22
147	Synthesis of magnesiumâ€“aluminium spinel from autoignition of citrateâ€“nitrate gel. Materials Letters, 2004, 58, 1451-1455.	1.3	61
148	Potassium-ion Intercalation Mechanism in Layered Na2Mn3O7. ACS Applied Energy Materials, 0, , .	2.5	5