

Jaekook Kim

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

123
papers

6,283
citations

38
h-index

77
g-index

127
ext. papers

7,703
ext. citations

9
avg, IF

6.02
L-index

#	Paper	IF	Citations
123	Bimetallic Layered Hydroxide Nitrate@Graphene Oxide as an Electrocatalyst for Efficient Non-Enzymatic Glucose Sensors: Tuning Sensitivity by Hydroxide-Regulated $M_2(OH)_4(A_n)$ Phases Derived from Solvent Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 1689-1701	8.3	4
122	Mesoporous Mulberry-like $CoMoO_4$: A Highly Suitable Anode Material for Sodium Ion Batteries over Lithium Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022 , 5, 126-136	6.1	2
121	Stable Solid Electrolyte Interphase for Long-Life Potassium Metal Batteries. <i>ACS Energy Letters</i> , 2022 , 7, 401-409	20.1	4
120	An analysis of the electrochemical mechanism of manganese oxides in aqueous zinc batteries. <i>Chem</i> , 2022 , 8, 924-946	16.2	7
119	Effect of a self-assembling $La(NiLi)O$ and amorphous garnet-type solid electrolyte composite on a layered cathode material in all-solid-state batteries. <i>RSC Advances</i> , 2022 , 12, 14209-14222	3.7	0
118	Triggering the theoretical capacity of $Na_{1.1}V_3O_{7.9}$ nanorod cathode by polypyrrole coating for high-energy zinc-ion batteries. <i>Chemical Engineering Journal</i> , 2022 , 446, 137069	14.7	4
117	Validating the Structural (In)stability of P3- and P2- $NaMgMnO$ -Layered Cathodes for Sodium-Ion Batteries: A Time-Decisive Approach. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 53877-53891	9.5	1
116	Hyper oxidized $V_6O_{13+x}H_2O$ layered cathode for aqueous rechargeable Zn battery: Effect on dual carriers transportation and parasitic reactions. <i>Energy Storage Materials</i> , 2021 , 35, 47-61	19.4	12
115	Fabrication of 1D mesoporous NiO nano-rods as high capacity and long-life anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 850, 156755	5.7	21
114	Advancement in graphene-based nanocomposites as high capacity anode materials for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 2628-2661	13	17
113	$C-Na_3V_{1.96}Fe_{0.04}(PO_4)_3/Fe_2P$ nanoclusters with stable charge-transfer interface for high-power sodium ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 404, 126974	14.7	10
112	Lithium-ion transport in inorganic active fillers used in PEO-based composite solid electrolyte sheets. <i>RSC Advances</i> , 2021 , 11, 31855-31864	3.7	2
111	Recent Developments of Zinc-Ion Batteries 2021 , 27-57		0
110	Multiscale Understanding of Covalently Fixed Sulfur-Polyacrylonitrile Composite as Advanced Cathode for Metal-Sulfur Batteries. <i>Advanced Science</i> , 2021 , 8, e2101123	13.6	9
109	Chromium doping into NASICON-structured $Na_3V_2(PO_4)_3$ cathode for high-power Na-ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 422, 130052	14.7	10
108	State-of-the-art anodes of potassium-ion batteries: synthesis, chemistry, and applications. <i>Chemical Science</i> , 2021 , 12, 7623-7655	9.4	9
107	In Situ Oriented Mn Deficient $ZnMnO@C$ Nanoarchitecture for Durable Rechargeable Aqueous Zinc-Ion Batteries. <i>Advanced Science</i> , 2021 , 8, 2002636	13.6	32

106	Initial investigation and evaluation of potassium metal as an anode for rechargeable potassium batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 16718-16737	13	22
105	Biowaste Orange Peel-Derived Mesoporous Carbon as a Cost-Effective Anode Material with Ultra-Stable Cyclability for Potassium-Ion Batteries. <i>Batteries and Supercaps</i> , 2020 , 3, 1099-1111	5.6	12
104	Multidimensional Na ₄ V ₂ Mn _{0.9} Cu _{0.1} (PO ₄) ₃ /C cotton-candy cathode materials for high energy Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 12055-12068	13	19
103	Recent Developments and Future Challenges in Designing Rechargeable Potassium-Sulfur and Potassium-Selenium Batteries. <i>Energies</i> , 2020 , 13, 2791	3.1	8
102	Manganese and Vanadium Oxide Cathodes for Aqueous Rechargeable Zinc-Ion Batteries: A Focused View on Performance, Mechanism, and Developments. <i>ACS Energy Letters</i> , 2020 , 5, 2376-2400	20.1	128
101	Density Functional Theory Investigation of Mixed Transition Metals in Olivine and Tavorite Cathode Materials for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 16376-16386	9.5	10
100	Effect of Urea as Electrolyte Additive for Stabilization of Lithium Metal Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 11123-11132	8.3	9
99	Investigation of K-ion storage performances in a bismuth sulfide-carbon nanotube composite anode.. <i>RSC Advances</i> , 2020 , 10, 6536-6539	3.7	3
98	Toward the Sustainable Lithium Metal Batteries with a New Electrolyte Solvation Chemistry. <i>Advanced Energy Materials</i> , 2020 , 10, 2000567	21.8	53
97	Quasi-solid-state zinc-ion battery based on β -MnO ₂ cathode with husk-like morphology. <i>Electrochimica Acta</i> , 2020 , 345, 136189	6.7	9
96	Na _{2.3} Cu _{1.1} Mn ₂ O ₇ nanoflakes as enhanced cathode materials for high-energy sodium-ion batteries achieved by a rapid pyrosynthesis approach. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 770-778 ¹³	13	9
95	Coupling of a conductive Ni(2,3,6,7,10,11-hexamino-triphenylene) metal-organic framework with silicon nanoparticles for use in high-capacity lithium-ion batteries. <i>Nanoscale</i> , 2020 , 12, 1629-1642	7.7	24
94	The dominant role of Mn ²⁺ additive on the electrochemical reaction in ZnMn ₂ O ₄ cathode for aqueous zinc-ion batteries. <i>Energy Storage Materials</i> , 2020 , 28, 407-417	19.4	84
93	A composite cathode material encapsulated by amorphous garnet-type solid electrolyte and self-assembled La ₂ (Ni _{0.5} Li _{0.5})O ₄ nanoparticles for all-solid-state batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22893-22906	13	7
92	High-voltage cathode materials by combustion-based preparative approaches for Li-ion batteries application. <i>Journal of Power Sources</i> , 2020 , 472, 228368	8.9	5
91	Investigation of superior sodium storage and reversible Na ₂ S conversion reactions in a porous NiS ₂ @C composite using in operando X-ray diffraction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 24401-24407 ³	13	3
90	High lithium storage properties in a manganese sulfide anode via an intercalation-cum-conversion reaction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 17537-17549	13	4
89	Hierarchically nanorod structured Na ₂ Ti ₆ O ₁₃ /Na ₂ Ti ₃ O ₇ nanocomposite as a superior anode for high-performance sodium ion battery. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 877, 114747	4.1	3

88	Tungsten Oxide/Zirconia as a Functional Polysulfide Mediator for High-Performance Lithium Sulfur Batteries. <i>ACS Energy Letters</i> , 2020 , 5, 3168-3175	20.1	11
87	A new P2-type layered oxide cathode with superior full-cell performances for K-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21362-21370	13	33
86	Facile synthesis of reduced graphene oxide by modified Hummer's method as anode material for Li-, Na- and K-ion secondary batteries. <i>Royal Society Open Science</i> , 2019 , 6, 181978	3.3	24
85	Phase-pure Na ₃ V ₂ (PO ₄) ₂ F ₃ embedded in carbon matrix through a facile polyol synthesis as a potential cathode for high performance sodium-ion batteries. <i>Nano Research</i> , 2019 , 12, 911-917	10	21
84	K ⁺ intercalated V ₂ O ₅ nanorods with exposed facets as advanced cathodes for high energy and high rate zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20335-20347	13	67
83	One-pot pyro synthesis of a nanosized-LiMnO/C cathode with enhanced lithium storage properties.. <i>RSC Advances</i> , 2019 , 9, 24030-24038	3.7	6
82	A Versatile Pyramidal Hauerite Anode in Congeniality Diglyme-Based Electrolytes for Boosting Performance of Li- and Na-Ion Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1900710	21.8	22
81	Structural and electrochemical behavior of a NiMnO ₃ /Mn ₂ O ₃ nanocomposite as an anode for high rate and long cycle lithium ion batteries. <i>New Journal of Chemistry</i> , 2019 , 43, 12916-12922	3.6	3
80	Uniform Carbon Coated Na ₃ V ₂ (PO ₄) ₂ O ₂ xF ₃ Nanoparticles for Sodium Ion Batteries as Cathode. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 18826-18834	8.3	11
79	A new rechargeable battery based on a zinc anode and a NaVO nanorod cathode. <i>Chemical Communications</i> , 2019 , 55, 3793-3796	5.8	32
78	First principles calculations study of MnO ₂ as a potential cathode for Al-ion battery application. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26966-26974	13	31
77	A zero fading sodium ion battery: High compatibility microspherical patronite in ether-based electrolyte. <i>Energy Storage Materials</i> , 2019 , 19, 270-280	19.4	17
76	Facile synthesis of pyrite (FeS/C) nanoparticles as an electrode material for non-aqueous hybrid electrochemical capacitors. <i>Nanoscale</i> , 2018 , 10, 5938-5949	7.7	38
75	Structural transformation and electrochemical study of layered MnO ₂ in rechargeable aqueous zinc-ion battery. <i>Electrochimica Acta</i> , 2018 , 276, 1-11	6.7	138
74	Aqueous rechargeable Zn-ion batteries: an imperishable and high-energy Zn ₂ V ₂ O ₇ nanowire cathode through intercalation regulation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3850-3856	13	212
73	Ni ₃ V ₂ O ₈ nanoparticles as an excellent anode material for high-energy lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 810, 34-40	4.1	22
72	Pyrosynthesis of Na V (PO) @C Cathodes for Safe and Low-Cost Aqueous Hybrid Batteries. <i>ChemSusChem</i> , 2018 , 11, 2239-2247	8.3	38
71	NaVOBHO Barnesite Nanorod: An Open Door to Display a Stable and High Energy for Aqueous Rechargeable Zn-Ion Batteries as Cathodes. <i>Nano Letters</i> , 2018 , 18, 2402-2410	11.5	341

70	Aqueous Magnesium Zinc Hybrid Battery: An Advanced High-Voltage and High-Energy MgMn ₂ O ₄ Cathode. <i>ACS Energy Letters</i> , 2018 , 3, 1998-2004	20.1	108
69	K ₂ V ₆ O ₁₆ ·7H ₂ O nanorod cathode: an advanced intercalation system for high energy aqueous rechargeable Zn-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15530-15539	13	132
68	Self-Passivation of a LiNiO ₂ Cathode for a Lithium-Ion Battery through Zr Doping. <i>ACS Energy Letters</i> , 2018 , 3, 1634-1639	20.1	108
67	Sodium manganese oxide electrodes accompanying self-ion exchange for lithium/sodium hybrid ion batteries. <i>Electrochimica Acta</i> , 2018 , 261, 42-48	6.7	9
66	Dandelion-shaped manganese sulfide in ether-based electrolyte for enhanced performance sodium-ion batteries. <i>Communications Chemistry</i> , 2018 , 1,	6.3	21
65	Variation of Electronic Conductivity within Secondary Particles Revealing a Capacity-Fading Mechanism of Layered Ni-Rich Cathode. <i>ACS Energy Letters</i> , 2018 , 3, 3002-3007	20.1	50
64	Ambient redox synthesis of vanadium-doped manganese dioxide nanoparticles and their enhanced zinc storage properties. <i>Applied Surface Science</i> , 2017 , 404, 435-442	6.7	91
63	One step pyro-synthesis process of nanostructured Li ₃ V ₂ (PO ₄) ₃ /C cathode for rechargeable Li-ion batteries. <i>Materials Today Communications</i> , 2017 , 10, 105-111	2.5	11
62	Electrochemical Zinc Intercalation in Lithium Vanadium Oxide: A High-Capacity Zinc-Ion Battery Cathode. <i>Chemistry of Materials</i> , 2017 , 29, 1684-1694	9.6	342
61	Carbon-coated manganese dioxide nanoparticles and their enhanced electrochemical properties for zinc-ion battery applications. <i>Journal of Energy Chemistry</i> , 2017 , 26, 815-819	12	75
60	Facile green synthesis of a CoVO nanoparticle electrode for high energy lithium-ion battery applications. <i>Journal of Colloid and Interface Science</i> , 2017 , 501, 133-141	9.3	28
59	Monoclinic-Orthorhombic Na _{1.1} Li _{2.0} V ₂ (PO ₄) ₃ /C Composite Cathode for Na ⁺ /Li ⁺ Hybrid-Ion Batteries. <i>Chemistry of Materials</i> , 2017 , 29, 6642-6652	9.6	15
58	Carbon-coated rhombohedral Li ₂ NaV ₂ (PO ₄) ₃ nanoflake cathode for Li-ion battery with excellent cycleability and rate capability. <i>Chemical Physics Letters</i> , 2017 , 681, 44-49	2.5	13
57	Investigation of Li-ion storage properties of earth abundant EMn ₂ V ₂ O ₇ prepared using facile green strategy. <i>Journal of Power Sources</i> , 2017 , 350, 80-86	8.9	36
56	One-pot pyro-synthesis of a high energy density LiFePO ₄ -Li ₃ V ₂ (PO ₄) ₃ nanocomposite cathode for lithium-ion battery applications. <i>Ceramics International</i> , 2017 , 43, 4288-4294	5.1	10
55	Facile synthesis and the exploration of the zinc storage mechanism of EMnO ₂ nanorods with exposed (101) planes as a novel cathode material for high performance eco-friendly zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23299-23309	13	194
54	Zn ₃ V ₂ O ₈ porous morphology derived through a facile and green approach as an excellent anode for high-energy lithium ion batteries. <i>Chemical Engineering Journal</i> , 2017 , 328, 454-463	14.7	44
53	Bitter gourd-shaped Ni ₃ V ₂ O ₈ anode developed by a one-pot metal-organic framework-combustion technique for advanced Li-ion batteries. <i>Ceramics International</i> , 2017 , 43, 13224-13232	5.1	28

52	Metal-organic framework-combustion: a new, cost-effective and one-pot technique to produce a porous Co ₃ V ₂ O ₈ microsphere anode for high energy lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14605-14613	13	56
51	One-Step Pyro-Synthesis of a Nanostructured MnO ₂ /C Electrode with Long Cycle Stability for Rechargeable Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2016 , 22, 2039-2045	4.8	35
50	Co ₃ V ₂ O ₈ Sponge Network Morphology Derived from Metal-Organic Framework as an Excellent Lithium Storage Anode Material. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8546-53	9.5	114
49	A high surface area tunnel-type δ -MnO ₂ nanorod cathode by a simple solvent-free synthesis for rechargeable aqueous zinc-ion batteries. <i>Chemical Physics Letters</i> , 2016 , 650, 64-68	2.5	103
48	Porous TiN nanoparticles embedded in a N-doped carbon composite derived from metal-organic frameworks as a superior anode in lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 4706-4710	13	26
47	In Situ Generation of Silicon Oxycarbide Phases on Reduced Graphene Oxide for Li-Ion Battery Anode. <i>ChemistrySelect</i> , 2016 , 1, 6429-6433	1.8	5
46	An Enhanced High-Rate NaV(PO) ₄ -NiP Nanocomposite Cathode with Stable Lifetime for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 35235-35242	9.5	31
45	An in-situ gas chromatography investigation into the suppression of oxygen gas evolution by coated amorphous cobalt-phosphate nanoparticles on oxide electrode. <i>Scientific Reports</i> , 2016 , 6, 23394	4.9	6
44	High rate performance of a NaTi ₂ (PO ₄) ₃ /rGO composite electrode via pyro synthesis for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7815-7822	13	48
43	A sponge network-shaped Mn ₃ O ₄ /C anode derived from a simple, one-pot metal organic framework-combustion technique for improved lithium ion storage. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 1609-1615	6.8	22
42	Hierarchical porous anatase TiO ₂ derived from a titanium metal-organic framework as a superior anode material for lithium ion batteries. <i>Chemical Communications</i> , 2015 , 51, 12274-7	5.8	64
41	Enhanced reversible divalent zinc storage in a structurally stable δ -MnO ₂ nanorod electrode. <i>Journal of Power Sources</i> , 2015 , 288, 320-327	8.9	240
40	Electrochemically Induced Structural Transformation in a δ -MnO ₂ Cathode of a High Capacity Zinc-Ion Battery System. <i>Chemistry of Materials</i> , 2015 , 27, 3609-3620	9.6	549
39	High performance of Co-doped NiO nanoparticle anode material for rechargeable lithium ion batteries. <i>Journal of Power Sources</i> , 2015 , 292, 23-30	8.9	131
38	Carbon Coated CoO Electrode Synthesized by Urea-Assisted Auto Combustion for Rechargeable Lithium Battery. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 540-3	1.3	4
37	Enhanced energy and O ₂ evolution efficiency using an in situ electrochemically N-doped carbon electrode in non-aqueous Li ₂ O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 18843-18846	13	13
36	A layered δ -MnO ₂ nanoflake cathode with high zinc-storage capacities for eco-friendly battery applications. <i>Electrochemistry Communications</i> , 2015 , 60, 121-125	5.1	307
35	Pyro-Synthesis of Nanostructured Spinel ZnMn ₂ O ₄ /C as Negative Electrode for Rechargeable Lithium-Ion Batteries. <i>Electrochimica Acta</i> , 2015 , 151, 558-564	6.7	37

34	Li ₃ V ₂ (PO ₄) ₃ /graphene nanocomposite as a high performance cathode material for lithium ion battery. <i>Ceramics International</i> , 2015 , 41, 389-396	5.1	21
33	Pyro-synthesis of a high rate nano-Li ₃ V ₂ (PO ₄) ₃ /C cathode with mixed morphology for advanced Li-ion batteries. <i>Scientific Reports</i> , 2014 , 4, 4047	4.9	50
32	Electrochemical properties of Na _x CoO ₂ (x~0.71) cathode for rechargeable sodium-ion batteries. <i>Ceramics International</i> , 2014 , 40, 2411-2417	5.1	53
31	Potassium-doped copper oxide nanoparticles synthesized by a solvothermal method as an anode material for high-performance lithium ion secondary battery. <i>Applied Surface Science</i> , 2014 , 305, 617-625	6.7	18
30	High Rate Capability and Long Cycle Stability of Co ₃ O ₄ /CoFe ₂ O ₄ Nanocomposite as an Anode Material for High-Performance Secondary Lithium Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 11234-11243	3.8	94
29	Nucleation and Growth Controlled Polyol Synthesis of Size-Focused Nanocrystalline LiFePO ₄ Cathode for High Performance Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2014 , 161, A1468-A1473	3.9	7
28	Electrochemical lithium storage of a ZnFe ₂ O ₄ /graphene nanocomposite as an anode material for rechargeable lithium ion batteries. <i>RSC Advances</i> , 2014 , 4, 47087-47095	3.7	25
27	Effects of praseodymium substitution on electrical properties of CaCu ₃ Ti ₄ O ₁₂ ceramics. <i>Ceramics International</i> , 2014 , 40, 181-189	5.1	13
26	Enhanced electrochemical performance of novel K-doped Co ₃ O ₄ as the anode material for secondary lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6966-6975	13	37
25	Amorphous iron phosphate: potential host for various charge carrier ions. <i>NPG Asia Materials</i> , 2014 , 6, e138-e138	10.3	180
24	A sodium manganese oxide cathode by facile reduction for sodium batteries. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 1550-6	4.5	18
23	Morphology-controlled LiFePO ₄ cathodes by a simple polyol reaction for Li-ion batteries. <i>Materials Characterization</i> , 2014 , 89, 93-101	3.9	19
22	A two-step solid state synthesis of LiFePO ₄ /C cathode with varying carbon contents for Li-ion batteries. <i>Ceramics International</i> , 2014 , 40, 1561-1567	5.1	19
21	A rapid polyol combustion strategy towards scalable synthesis of nanostructured LiFePO ₄ /C cathodes for Li-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2014 , 18, 1557-1567	2.6	21
20	Nanostructured iron ((III) oxyhydroxide/(VI) oxide) composite as a reversible Li, Na and K-ion insertion electrode for energy storage devices. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7185	13	15
19	A high voltage LiMnPO ₄ Mn ₂ O ₄ nanocomposite cathode synthesized by a one-pot pyro synthesis for Li-ion batteries. <i>RSC Advances</i> , 2013 , 3, 25640	3.7	15
18	Mesoporous manganese dioxide cathode prepared by an ambient temperature synthesis for Na-ion batteries. <i>RSC Advances</i> , 2013 , 3, 26328	3.7	10
17	A carbon-coated Li ₃ V ₂ (PO ₄) ₃ cathode material with an enhanced high-rate capability and long lifespan for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2508	13	90

16	Simple, robust metal fluoride coating on layered $\text{Li}_{1.23}\text{Ni}_{0.13}\text{Co}_{0.14}\text{Mn}_{0.56}\text{O}_2$ and its effects on enhanced electrochemical properties. <i>Electrochimica Acta</i> , 2013 , 100, 10-17	6.7	20
15	Electrochemical study of NiO nanoparticles electrode for application in rechargeable lithium-ion batteries. <i>Ceramics International</i> , 2013 , 39, 6611-6618	5.1	90
14	Simple synthesis and particle size effects of TiO_2 nanoparticle anodes for rechargeable lithium ion batteries. <i>Electrochimica Acta</i> , 2013 , 90, 112-118	6.7	80
13	Chemical Diffusivity for Hydrogen Storage: Pneumatochemical Intermittent Titration Technique. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 19771-19785	3.8	2
12	Pneumatochemical Immittance Spectroscopy for Hydrogen Storage Kinetics. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 19786-19808	3.8	2
11	Impact of glucose on the electrochemical performance of nano- LiCoPO_4 cathode for Li-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 149-155	2.6	12
10	Synthesis of LiFePO_4 Nanoparticles and Crystal Formation Mechanism during Solvothermal Reaction. <i>Journal of the Electrochemical Society</i> , 2012 , 159, A479-A484	3.9	19
9	Low-cost LiFePO_4 using Fe metal precursor. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2624-2631		23
8	High rate performance of a $\text{Na}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ cathode prepared by pyro-synthesis for sodium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 20857		162
7	Fully activated Li_2MnO_3 nanoparticles by oxidation reaction. <i>Journal of Materials Chemistry</i> , 2012 , 22, 11772		58
6	Pyro-synthesis of functional nanocrystals. <i>Scientific Reports</i> , 2012 , 2, 946	4.9	40
5	Effects of cobalt-intercalation and polyaniline coating on electrochemical performance of layered manganese oxides. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5282		23
4	Synthesis of LiFePO_4 Nanoparticles in Polyol Medium and Their Electrochemical Properties. <i>Electrochemical and Solid-State Letters</i> , 2006 , 9, A439		307
3	Metal Oxides for Rechargeable Batteries Energy Applications		
2	A review on carbon nanomaterials for K-ion battery anode: Progress and perspectives. <i>International Journal of Energy Research</i> ,	4.5	1
1	A new material discovery platform of stable layered oxide cathodes for K-ion batteries. <i>Energy and Environmental Science</i> ,	35.4	7