

Montree Sawangphruk

List of Publications by Year in descending order

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235
papers

4,866
citations

101384

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238
docs citations

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times ranked

6494
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance supercapacitor of manganese oxide/reduced graphene oxide nanocomposite coated on flexible carbon fiber paper. <i>Carbon</i> , 2013, 60, 109-116.	5.4	237
2	High-performance supercapacitors based on silver nanoparticle-“polyaniline”-graphene nanocomposites coated on flexible carbon fiber paper. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9630.	5.2	196
3	High-Performance Asymmetric Supercapacitors of MnCo ₂ O ₄ Nanofibers and N-Doped Reduced Graphene Oxide Aerogel. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34045-34053.	4.0	193
4	Solid-type supercapacitor of reduced graphene oxide-metal organic framework composite coated on carbon fiber paper. <i>Electrochimica Acta</i> , 2015, 157, 69-77.	2.6	169
5	Synthesis and antifungal activity of reduced graphene oxide nanosheets. <i>Carbon</i> , 2012, 50, 5156-5161.	5.4	165
6	A universal and facile approach to suppress dendrite formation for a Zn and Li metal anode. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9331-9344.	5.2	147
7	N-doped reduced graphene oxide aerogel coated on carboxyl-modified carbon fiber paper for high-performance ionic-liquid supercapacitors. <i>Carbon</i> , 2016, 102, 455-461.	5.4	145
8	NiCo-LDH/Ti ₃ C ₂ MXene hybrid materials for lithium ion battery with high-rate capability and long cycle life. <i>Journal of Energy Chemistry</i> , 2020, 50, 143-153.	7.1	118
9	CO ₂ hydrogenation to methanol using Cu-Zn catalyst supported on reduced graphene oxide nanosheets. <i>Journal of CO₂ Utilization</i> , 2016, 16, 104-113.	3.3	104
10	Heterogeneous structural defects to prompt charge shuttle in g-C ₃ N ₄ plane for boosting visible-light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118094.	10.8	97
11	Charge storage mechanisms of manganese oxide nanosheets and N-doped reduced graphene oxide aerogel for high-performance asymmetric supercapacitors. <i>Scientific Reports</i> , 2016, 6, 37560.	1.6	85
12	Palladium Nanoparticles Decorated on Reduced Graphene Oxide Rotating Disk Electrodes toward Ultrasensitive Hydrazine Detection: Effects of Particle Size and Hydrodynamic Diffusion. <i>Analytical Chemistry</i> , 2014, 86, 12272-12278.	3.2	83
13	High-Performance Supercapacitor of Functionalized Carbon Fiber Paper with High Surface Ionic and Bulk Electronic Conductivity: Effect of Organic Functional Groups. <i>Electrochimica Acta</i> , 2015, 176, 504-513.	2.6	74
14	Charge storage performances and mechanisms of MnO ₂ nanospheres, nanorods, nanotubes and nanosheets. <i>Nanoscale</i> , 2017, 9, 13630-13639.	2.8	74
15	Facile Electrodeposition of Ni-“Cu”-P Dendrite Nanotube Films with Enhanced Hydrogen Evolution Reaction Activity and Durability. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35224-35233.	4.0	74
16	Visible Light-Driven Photocatalytic H ₂ Generation and Mechanism Insights into Bi ₂ O ₃ /CO ₃ /G-C ₃ N ₄ Z-Scheme Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4795-4804.	1.5	71
17	Ultraporous palladium on flexible graphene-coated carbon fiber paper as high-performance electro-catalysts for the electro-oxidation of ethanol. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1030-1034.	5.2	67
18	Antifungal activity of water-stable copper-containing metal-organic frameworks. <i>Royal Society Open Science</i> , 2017, 4, 170654.	1.1	66

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19	Insight into charge storage mechanisms of layered MnO ₂ nanosheets for supercapacitor electrodes: In situ electrochemical X-ray absorption spectroscopy. <i>Electrochimica Acta</i> , 2017, 249, 26-32.	2.6	56
20	Lithium Bond Impact on Lithium Polysulfide Adsorption with Functionalized Carbon Fiber Paper Interlayers for Lithium-Sulfur Batteries. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7033-7040.	1.5	55
21	In situ synthesis of permselective zeolitic imidazolate framework-8/graphene oxide composites: rotating disk electrode and Langmuir adsorption isotherm. <i>RSC Advances</i> , 2015, 5, 46617-46623.	1.7	53
22	Charge storage mechanisms of electrospun Mn ₃ O ₄ nanofibres for high-performance supercapacitors. <i>RSC Advances</i> , 2017, 7, 9958-9963.	1.7	53
23	A new concept of charging supercapacitors based on the photovoltaic effect. <i>Chemical Communications</i> , 2017, 53, 709-712.	2.2	53
24	Insight into the charge storage mechanism and capacity retention fading of MnCo ₂ O ₄ used as supercapacitor electrodes. <i>Electrochimica Acta</i> , 2017, 258, 1008-1015.	2.6	51
25	Impedimetric Sensor of ss-HSDNA/Reduced Graphene Oxide Aerogel Electrode toward Aflatoxin B1 Detection: Effects of Redox Mediator Charges and Hydrodynamic Diffusion. <i>Analytical Chemistry</i> , 2017, 89, 13283-13289.	3.2	49
26	Enhancing bifunctional electrocatalysts of hollow Co ₃ O ₄ nanorods with oxygen vacancies towards ORR and OER for Li-O ₂ batteries. <i>Electrochimica Acta</i> , 2021, 367, 137490.	2.6	49
27	Turning conductive carbon nanospheres into nanosheets for high-performance supercapacitors of MnO ₂ nanorods. <i>Chemical Communications</i> , 2016, 52, 2585-2588.	2.2	47
28	Single-atoms supported (Fe, Co, Ni, Cu) on graphitic carbon nitride for CO ₂ adsorption and hydrogenation to formic acid: First-principles insights. <i>Applied Surface Science</i> , 2020, 499, 143928.	3.1	47
29	Core-shell Ni-rich NMC-Nanocarbon cathode from scalable solvent-free mechanofusion for high-performance 18650 Li-ion batteries. <i>Energy Storage Materials</i> , 2021, 36, 485-495.	9.5	46
30	Photoactive Zn-air batteries using spinel-type cobalt oxide as a bifunctional photocatalyst at the air cathode. <i>Chemical Communications</i> , 2019, 55, 5855-5858.	2.2	44
31	Synthesis of nickel hydroxide/delaminated-Ti ₃ C ₂ MXene nanosheets as promising anode material for high performance lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2020, 842, 155812.	2.8	44
32	Direct electrodeposition and superior pseudocapacitive property of ultrahigh porous silver-incorporated polyaniline films. <i>Materials Letters</i> , 2012, 87, 142-145.	1.3	43
33	Strong adsorption of lithium polysulfides on ethylenediamine-functionalized carbon fiber paper interlayer providing excellent capacity retention of lithium-sulfur batteries. <i>Carbon</i> , 2017, 123, 492-501.	5.4	42
34	Surfactant-assisted electrodeposition and improved electrochemical capacitance of silver-doped manganese oxide pseudocapacitor electrodes. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 2623-2629.	1.2	40
35	High-performance hybrid supercapacitor of mixed-valence manganese oxide/N-doped graphene aerogel nanoflower using an ionic liquid with a redox additive as the electrolyte: In situ electrochemical X-ray absorption spectroscopy. <i>Electrochimica Acta</i> , 2018, 271, 110-119.	2.6	40
36	Rechargeable Photoactive Zn-Air Batteries Using NiCo ₂ S ₄ as an Efficient Bifunctional Photocatalyst towards OER/ORR at the Cathode. <i>Batteries and Supercaps</i> , 2020, 3, 541-547.	2.4	40

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37	Confining Li ₂ S ₆ catholyte in 3D graphene sponge with ultrahigh total pore volume and oxygen-containing groups for lithium-sulfur batteries. <i>Carbon</i> , 2020, 158, 244-255.	5.4	39
38	Promotion of Direct Methanol Electrooxidation by Ru Terraces on Pt by using a Reversed Spillover Mechanism. <i>ChemCatChem</i> , 2010, 2, 1089-1095.	1.8	36
39	Enhancing the charge-storage performance of N-doped reduced graphene oxide aerogel supercapacitors by adsorption of the cationic electrolytes with single-strand deoxyribonucleic acid. <i>Carbon</i> , 2016, 109, 314-320.	5.4	36
40	Hybrid Energy Storage of Ni(OH) ₂ -coated N-doped Graphene Aerogel//N-doped Graphene Aerogel for the Replacement of NiCd and NiMH Batteries. <i>Scientific Reports</i> , 2017, 7, 1124.	1.6	35
41	Collaborative design of Li-S batteries using 3D N-doped graphene aerogel as a sulfur host and graphitic carbon nitride paper as an interlayer. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1759-1765.	2.5	35
42	Chemical Adsorption and Physical Confinement of Polysulfides with the Janus-faced Interlayer for High-performance Lithium-Sulfur Batteries. <i>Scientific Reports</i> , 2017, 7, 17703.	1.6	35
43	Silver nanodendrite modified graphene rotating disk electrode for nonenzymatic hydrogen peroxide detection. <i>Carbon</i> , 2014, 70, 287-294.	5.4	34
44	Designing an interlayer of reduced graphene oxide aerogel and nitrogen-rich graphitic carbon nitride by a layer-by-layer coating for high-performance lithium sulfur batteries. <i>Carbon</i> , 2018, 139, 945-953.	5.4	34
45	Charge storage mechanisms of birnessite-type MnO ₂ nanosheets in Na ₂ SO ₄ electrolytes with different pH values: In situ electrochemical X-ray absorption spectroscopy investigation. <i>Electrochimica Acta</i> , 2018, 273, 17-25.	2.6	33
46	Insight into the effect of intercalated alkaline cations of layered manganese oxides on the oxygen reduction reaction and oxygen evolution reaction. <i>Chemical Communications</i> , 2018, 54, 8575-8578.	2.2	33
47	Environmentally benign non-fluoro deep eutectic solvent and free-standing rice husk-derived bio-carbon based high-temperature supercapacitors. <i>Electrochimica Acta</i> , 2018, 286, 148-157.	2.6	32
48	Effect of intercalated alkali ions in layered manganese oxide nanosheets as neutral electrochemical capacitors. <i>Chemical Communications</i> , 2019, 55, 1213-1216.	2.2	32
49	A 3D free-standing lithiophilic silver nanowire aerogel for lithium metal batteries without lithium dendrites and volume expansion: <i>in operando</i> X-ray diffraction. <i>Chemical Communications</i> , 2019, 55, 5689-5692.	2.2	32
50	Effects of pore diameters on the pseudocapacitive property of three-dimensionally ordered macroporous manganese oxide electrodes. <i>Materials Letters</i> , 2012, 68, 230-233.	1.3	31
51	Electrocatalytic oxidation of ethylene glycol on palladium coated on 3D reduced graphene oxide aerogel paper in alkali media: Effects of carbon supports and hydrodynamic diffusion. <i>Electrochimica Acta</i> , 2016, 212, 237-246.	2.6	30
52	Controlling the flake size of bifunctional 2D WSe ₂ nanosheets as flexible binders and supercapacitor materials. <i>Nanoscale Advances</i> , 2021, 3, 653-660.	2.2	30
53	Effect of alkaline electrolytes on the charge storage capacity and morphology of porous layered double cobalt hydroxide-coated graphene supercapacitor electrodes. <i>RSC Advances</i> , 2014, 4, 56876-56882.	1.7	29
54	Factors that Affect Capacity in the Low Voltage Kinetic Hindrance Region of Ni-Rich Positive Electrode Materials and Diffusion Measurements from a Reinvented Approach. <i>Journal of the Electrochemical Society</i> , 2021, 168, 070503.	1.3	29

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55	Revealing the impacts of oxygen defects on Zn ²⁺ storage performance in V ₂ O ₅ . <i>Materials Today Energy</i> , 2021, 21, 100824.	2.5	29
56	Permselective properties of graphene oxide and reduced graphene oxide electrodes. <i>Carbon</i> , 2014, 68, 662-669.	5.4	28
57	Novel Hybrid Energy Conversion and Storage Cell with Photovoltaic and Supercapacitor Effects in Ionic Liquid Electrolyte. <i>Scientific Reports</i> , 2018, 8, 12192.	1.6	28
58	High-Performance Li-Ion Batteries Using Nickel-Rich Lithium Nickel Cobalt Aluminium Oxide@Nanocarbon Core@Shell Cathode: In Operando X-ray Diffraction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30719-30727.	4.0	28
59	3D CVD graphene oxide-coated Ni foam as carbo- and electro-catalyst towards hydrogen evolution reaction in acidic solution: In situ electrochemical gas chromatography. <i>Carbon</i> , 2019, 151, 109-119.	5.4	28
60	Enhancing the Charge Storage Capacity of Lithium-Ion Capacitors Using Nitrogen-Doped Reduced Graphene Oxide Aerogel as a Negative Electrode: A Hydrodynamic Rotating Disk Electrode Investigation. <i>Journal of the Electrochemical Society</i> , 2018, 165, A609-A617.	1.3	27
61	Insight into the effect of additives widely used in lithium-sulfur batteries. <i>Chemical Communications</i> , 2019, 55, 13951-13954.	2.2	26
62	New Routes to Functionalize Carbon Black for Polypropylene Nanocomposites. <i>Langmuir</i> , 2016, 32, 7917-7928.	1.6	25
63	Hybrid energy storage of battery-type nickel hydroxide and supercapacitor-type graphene: redox additive and charge storage mechanism. <i>Sustainable Energy and Fuels</i> , 2017, 1, 275-279.	2.5	25
64	High-performance energy storage of Ag-doped Co(OH) ₂ -coated graphene paper: In situ electrochemical X-ray absorption spectroscopy. <i>Electrochimica Acta</i> , 2017, 252, 91-100.	2.6	25
65	Cobalt oxysulphide/hydroxide nanosheets with dual properties based on electrochromism and a charge storage mechanism. <i>RSC Advances</i> , 2020, 10, 14154-14160.	1.7	24
66	Correlating Cation Mixing with Li Kinetics: Electrochemical and Li Diffusion Measurements on Li-Deficient LiNiO ₂ and Li-Excess LiNi _{0.5} Mn _{0.5} O ₂ . <i>Journal of the Electrochemical Society</i> , 2021, 168, 090535.	1.3	24
67	First-Principle study of lithium polysulfide adsorption on heteroatom doped graphitic carbon nitride for Lithium-Sulfur batteries. <i>Applied Surface Science</i> , 2021, 565, 150378.	3.1	24
68	High-performance supercapacitors of carboxylate-modified hollow carbon nanospheres coated on flexible carbon fibre paper: Effects of oxygen-containing group contents, electrolytes and operating temperature. <i>Electrochimica Acta</i> , 2017, 238, 64-73.	2.6	23
69	Core-shell structure of LiMn ₂ O ₄ cathode material reduces phase transition and Mn dissolution in Li-ion batteries. <i>Communications Chemistry</i> , 2022, 5, .	2.0	23
70	Transparent supercapacitors of 2 nm ruthenium oxide nanoparticles decorated on a 3D nitrogen-doped graphene aerogel. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1799-1805.	2.5	22
71	High-performance spinel LiMn ₂ O ₄ @carbon core-shell cathode materials for Li-ion batteries. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1988-1994.	2.5	22
72	Elucidating the unexpected electrocatalytic activity of nanoscale PdO layers on Pd electrocatalysts towards ethanol oxidation in a basic solution. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1118-1125.	2.5	22

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73	Reducing the Energy Band Gap of Cobalt Hydroxide Nanosheets with Silver Atoms and Enhancing Their Electrical Conductivity with Silver Nanoparticles. <i>ACS Omega</i> , 2021, 6, 20804-20811.	1.6	22
74	Turning carbon-ZnMn ₂ O ₄ powder in primary battery waste to be an effective active material for long cycling life supercapacitors: In situ gas analysis. <i>Waste Management</i> , 2020, 109, 202-211.	3.7	22
75	Core-double shell sulfur@carbon black nanosphere@oxidized carbon nanosheet composites as the cathode materials for Li-S batteries. <i>Electrochimica Acta</i> , 2017, 237, 78-86.	2.6	21
76	Turning Carbon Black to Hollow Carbon Nanospheres for Enhancing Charge Storage Capacities of LiMn ₂ O ₄ , LiCoO ₂ , LiNiMnCoO ₂ , and LiFePO ₄ Lithium-Ion Batteries. <i>ACS Omega</i> , 2017, 2, 3730-3738.	1.6	20
77	Porous Fe-N-C Catalysts for Rechargeable Zinc-Air Batteries from an Iron-Imidazolate Coordination Polymer. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4030-4036.	3.2	20
78	High-performance supercapacitor of electrodeposited porous 3D polyaniline nanorods on functionalized carbon fiber paper: Effects of hydrophobic and hydrophilic surfaces of conductive carbon paper substrates. <i>Materials Today Communications</i> , 2015, 4, 176-185.	0.9	19
79	A new energy conversion and storage device of cobalt oxide nanosheets. <i>Journal of Materials Chemistry A</i> , 2018, 6, 36-40.	5.2	19
80	High-Performance Supercapacitors of N-Doped Graphene Aerogel and Its Nanocomposites with Manganese Oxide and Polyaniline. <i>Journal of the Electrochemical Society</i> , 2018, 165, A1430-A1439.	1.3	19
81	Layered manganese oxide nanosheets coated on N-doped graphene aerogel for hydrazine detection: Reaction mechanism investigated by in situ electrochemical X-ray absorption spectroscopy. <i>Journal of Electroanalytical Chemistry</i> , 2018, 808, 124-132.	1.9	18
82	In situ mass change and gas analysis of 3D manganese oxide/graphene aerogel for supercapacitors. <i>RSC Advances</i> , 2019, 9, 28569-28575.	1.7	18
83	Polyaniline-grafted hydrolysed polyethylene as a dual functional interlayer/separator for high-performance Li-S@C core-shell batteries. <i>Chemical Communications</i> , 2019, 55, 14263-14266.	2.2	18
84	Insight into photoelectrocatalytic mechanisms of bifunctional cobaltite hollow-nanofibers towards oxygen evolution and oxygen reduction reactions for high-energy zinc-air batteries. <i>Electrochimica Acta</i> , 2021, 392, 139022.	2.6	18
85	Electrospinning of Carbon-Carbon Fiber Composites for High-Performance Single Coin-Cell Supercapacitors: Effects of Carbon Additives and Electrolytes. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 10078-10086.	1.8	17
86	Sodium-ion diffusion and charge transfer kinetics of sodium-ion hybrid capacitors using bio-derived hierarchical porous carbon. <i>Electrochimica Acta</i> , 2018, 286, 55-64.	2.6	17
87	Charge storage mechanisms of cobalt hydroxide thin film in ionic liquid and KOH electrolytes for asymmetric supercapacitors with graphene aerogel. <i>Electrochimica Acta</i> , 2019, 324, 134854.	2.6	17
88	Strong cooperative interaction of lithium and hydrogen bonds between 4-aminobenzoic acid modified interlayer and polysulfides for lithium-sulfur batteries. <i>Carbon</i> , 2019, 155, 553-561.	5.4	17
89	A computational study of the catalytic aerobic epoxidation of propylene over the coordinatively unsaturated metal-organic framework Fe ₃ (btc) ₂ : formation of propylene oxide and competing reactions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6726-6734.	1.3	16
90	Graphite/Graphene Composites from the Recovered Spent Zn/Carbon Primary Cell for the High-Performance Anode of Lithium-Ion Batteries. <i>ACS Omega</i> , 2020, 5, 15240-15246.	1.6	16

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91	Bifunctional electrocatalytic CoNi-doped manganese oxide produced from microdumbbell manganese carbonate towards oxygen reduction and oxygen evolution reactions. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1170-1177.	2.5	14
92	High-rate aqueous/ionic liquid dual electrolyte supercapacitor using 3D graphene sponge with an ultrahigh pore volume. <i>Electrochimica Acta</i> , 2019, 327, 135014.	2.6	14
93	Lithium Intercalated-Layered Manganese Oxide and Reduced Graphene Oxide Composite as a Bifunctional Electrocatalyst for ORR and OER. <i>Journal of the Electrochemical Society</i> , 2019, 166, A1543-A1549.	1.3	13
94	Lightweight Multi-Walled Carbon Nanotube/N-Doped Graphene Aerogel Composite for High-Performance Lithium-Ion Capacitors. <i>Journal of the Electrochemical Society</i> , 2019, 166, A532-A538.	1.3	13
95	Prelithiated perfluoro-ionomer as an alternative binder for the state-of-the-art Ni-rich $\text{Li}_{0.8}\text{Co}_{0.15}\text{Al}_{0.05}\text{O}_2$ cathode of next-generation lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20714-20724.	5.2	13
96	Influence of structures and functional groups of carbon on working potentials of supercapacitors in neutral aqueous electrolyte: In situ differential electrochemical mass spectrometry. <i>Journal of Energy Storage</i> , 2020, 29, 101379.	3.9	13
97	Optimization of the Electrode Properties for High-Performance Ni-Rich Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30643-30652.	4.0	13
98	Impact of Al Doping and Surface Coating on the Electrochemical Performances of Li-Rich Mn-Rich $\text{Li}_{1.11}\text{Ni}_{0.33}\text{Mn}_{0.56}\text{O}_2$ Positive Electrode Material. <i>Journal of the Electrochemical Society</i> , 2020, 167, 120531.	1.3	13
99	Enhanced mechanical properties and bactericidal activity of polypropylene nanocomposite with dual-function silica-silver core-shell nanoparticles. <i>Journal of Applied Polymer Science</i> , 2013, 128, 4339-4345.	1.3	12
100	Improving Single-Carbon-Nanotube Electrode Contacts Using Molecular Electronics. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3908-3911.	2.1	12
101	Oxidative chemical vapour deposition of a graphene oxide carbocatalyst on 3D nickel foam as a collaborative electrocatalyst towards the hydrogen evolution reaction in acidic electrolyte. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1305-1311.	2.5	12
102	Scalable 18,650 aqueous-based supercapacitors using hydrophobicity concept of anti-corrosion graphite passivation layer. <i>Scientific Reports</i> , 2021, 11, 13082.	1.6	12
103	Localized electrodeposition of praseodymium oxide on boron-doped diamond. <i>Diamond and Related Materials</i> , 2010, 19, 885-888.	1.8	11
104	A proton-hopping charge storage mechanism of ionic one-dimensional coordination polymers for high-performance supercapacitors. <i>Chemical Communications</i> , 2017, 53, 11786-11789.	2.2	11
105	Rational design and synthesis of $\text{SiC/TiC@SiO}_x/\text{TiO}_2$ porous core-shell nanostructure with excellent Li-ion storage performance. <i>Chemical Communications</i> , 2018, 54, 12622-12625.	2.2	11
106	Addition of Redox Additive to Ionic Liquid Electrolyte for High-Performance Electrochemical Capacitors of N-Doped Graphene Aerogel. <i>Journal of the Electrochemical Society</i> , 2019, 166, A695-A703.	1.3	11
107	Trimetallic Spinel-Type Cobalt Nickel-Doped Manganese Oxides as Bifunctional Electrocatalysts for Zn-Air Batteries. <i>Batteries and Supercaps</i> , 2020, 3, 631-637.	2.4	11
108	The electrochemistry of size dependent graphene <i>in via</i> liquid phase exfoliation: capacitance and ionic transport. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11616-11623.	1.3	11

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109	Voltage-Dependent Li Kinetics Leads to Charge-Discharge Asymmetry in Co-Free Li-Rich $\text{Li}_{1.12}\text{Ni}_{0.44}\text{Mn}_{0.44}\text{O}_2$ under Conditions without Transition Metal Migration. <i>Journal of the Electrochemical Society</i> , 2021, 168, 090564.	1.3	11
110	Enzyme-immobilized 3D silver nanoparticle/graphene aerogel composites towards biosensors. <i>Materials Chemistry and Physics</i> , 2022, 277, 125572.	2.0	11
111	The charge density of intercalants inside layered birnessite manganese oxide nanosheets determining Zn-ion storage capability towards rechargeable Zn-ion batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5561-5568.	5.2	11
112	Comparing the effect of different surfactants on the aggregation and electrical contact properties of graphene nanoplatelets. <i>Applied Materials Today</i> , 2018, 12, 163-167.	2.3	10
113	Thin-Film Photoelectrode of p-Type Ni-Doped Co_3O_4 Nanosheets for a Single Hybrid Energy Conversion and Storage Cell. <i>Journal of the Electrochemical Society</i> , 2019, 166, A2444-A2452.	1.3	10
114	A simple and practical hybrid ionic liquid/aqueous dual electrolyte configuration for safe and ion-exchange membrane-free high cell potential supercapacitor. <i>Electrochimica Acta</i> , 2019, 305, 443-451.	2.6	10
115	Effect of fluoroethylene carbonate on the transport property of electrolytes towards Ni-rich Li-ion batteries with high safety. <i>Chemical Communications</i> , 2021, 57, 6732-6735.	2.2	10
116	Ultraporous Palladium Supported on Graphene-Coated Carbon Fiber Paper as a Highly Active Catalyst Electrode for the Oxidation of Methanol. <i>Fuel Cells</i> , 2013, 13, 881-888.	1.5	9
117	The solution phase aggregation of graphene nanoplates. <i>Applied Materials Today</i> , 2018, 10, 122-126.	2.3	9
118	A single energy conversion and storage cell of nickel-doped cobalt oxide under UV and visible light illumination. <i>Electrochimica Acta</i> , 2019, 328, 135120.	2.6	9
119	High cell-potential and high-rate neutral aqueous supercapacitors using activated biocarbon: In situ electrochemical gas chromatography. <i>Electrochimica Acta</i> , 2019, 313, 31-40.	2.6	9
120	Diffusion of Zirconium (IV) Ions from Coated Thick Zirconium Oxide Shell to the Bulk Structure of Ni-Rich NMC811 Cathode Leading to High-Performance 18650 Cylindrical Li-Ion Batteries. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	9
121	Permsselective properties of polystyrene opal films at diamond electrode surfaces. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7856.	1.3	8
122	Decoration of graphene oxide nanosheets with amino silane-functionalized silica nanoparticles for enhancing thermal and mechanical properties of polypropylene nanocomposites. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	8
123	Regulating the cationic rearrangement of Ni-rich layered oxide cathode for high-performance Li-ion batteries. <i>Journal of Power Sources</i> , 2022, 537, 231526.	4.0	8
124	$\text{SiC}_x/\text{TIC}_x$ Nanostructured Material from Ti_3SiC_2 for High Rate Performance of Lithium Storage. <i>ChemistrySelect</i> , 2019, 4, 7766-7772.	0.7	7
125	Metalloporphyrin-Based Metal-Organic Frameworks on Flexible Carbon Paper for Electrocatalytic Nitrite Oxidation. <i>Chemistry - A European Journal</i> , 2020, 26, 17399-17404.	1.7	7
126	Effect of charging protocols on electrochemical performance and failure mechanism of commercial level Ni-rich NMC811 thick electrode. <i>Electrochemistry Communications</i> , 2022, 139, 107309.	2.3	7

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127	The Influence of Hydration Energy on Alkali-Earth Intercalated Layered Manganese Oxides as Electrochemical Capacitors. <i>ACS Applied Energy Materials</i> , 2020, 3, 1402-1409.	2.5	6
128	Insight into the unusual intercalation/deintercalation phenomena of alkali cations in the layered manganese oxide for electrochemical capacitors. <i>Journal of Power Sources</i> , 2020, 455, 227969.	4.0	6
129	Insight into the Effect of Ionic Liquid-Based Additives at the Solid Electrolyte Interphase for Lithium Metal Batteries. <i>Journal of the Electrochemical Society</i> , 2021, 168, 040534.	1.3	6
130	Solar-driven energy storage enhancement of nickel hydroxide nanomaterials. <i>Electrochimica Acta</i> , 2021, 388, 138654.	2.6	5
131	Free carbonate-based molecules in the electrolyte leading to severe safety concerns of Ni-rich Li-ion batteries. <i>Chemical Communications</i> , 2022, 58, 779-782.	2.2	5
132	Facile Synthesis of Highly Dispersed Silica-Silver Core-Shell Nanospheres for Enzymeless Hydrogen Peroxide Detection. <i>Electrochemical and Solid-State Letters</i> , 2012, 15, F5.	2.2	4
133	Asymmetric hybrid energy conversion and storage cell of thin Co ₃ O ₄ and N-doped reduced graphene oxide aerogel films. <i>Electrochimica Acta</i> , 2018, 283, 1125-1133.	2.6	4
134	Graphene Aerogels with Ultrahigh Pore Volume for Organic Dye Adsorption and High-Energy Lithium Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 20719-20729.	1.8	4
135	A Baseline Kinetic Study of Co-Free Layered Li _{1+x} (Ni _{0.5} Mn _{0.5}) _{1-x} O ₂ Positive Electrode Materials for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2021, 168, 110502.	1.3	4
136	High-Performance Supercapacitors of N-Doped Graphene Aerogel and Its Nanocomposites. <i>ECS Transactions</i> , 2017, 77, 591-606.	0.3	3
137	3D CVD Graphene Oxide on Ni Foam towards Hydrogen Evolution Reaction in Acid Electrolytes at Different Concentrations. <i>ECS Transactions</i> , 2018, 85, 49-63.	0.3	3
138	Machine Learning and Reactive Force Field Molecular Dynamics Investigation of Electrolytes for Ultra-fast Charging Li-ion Batteries. <i>ECS Transactions</i> , 2020, 97, 45-55.	0.3	3
139	The Protection of Lithium Metal Enabled by LiNO ₃ for Lithium-Sulfur Batteries. <i>ECS Transactions</i> , 2020, 97, 827-834.	0.3	3
140	Effect of Intercalants inside Birnessite-Type Manganese Oxide Nanosheets for Sensor Applications. <i>Inorganic Chemistry</i> , 2020, 59, 15595-15605.	1.9	3
141	Impact of cationic molecular length of ionic liquid electrolytes on cell performance of 18650 supercapacitors. <i>Chemical Communications</i> , 2021, 57, 13712-13715.	2.2	3
142	Fabrication of TiO ₂ and Ag wires and arrays using opal polystyrene crystal templates. <i>Journal of Vacuum Science & Technology B</i> , 2009, 27, 1484.	1.3	2
143	Electrolyte-Induced Electrical Disconnection between Single Graphene Nanoplatelets and an Electrode. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5822-5826.	2.1	2
144	Fabrication and electrochemical properties of activated CNF/Cu _x Mn _{1-x} Fe ₂ O ₄ composite nanostructures. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	2

#	ARTICLE	IF	CITATIONS
145	A Single Energy Conversion and Storage Device of Cobalt Oxide Nanosheets and N-Doped Reduced Graphene Oxide Aerogel. ECS Transactions, 2018, 85, 435-447.	0.3	2
146	Manganese Oxide/Reduced Graphene Oxide Nanocomposite for High-Efficient Electrocatalyst towards Oxygen Reduction Reaction. ECS Transactions, 2018, 85, 1265-1276.	0.3	2
147	A Novel High-Performance Lithium-Ion Hybrid Capacitor Using Three-Dimensional Nanostructure of N-Doped Graphene Aerogel and Carbon Nanotube Composite. ECS Transactions, 2018, 85, 449-468.	0.3	1
148	Hybrid Energy Conversion and Storage (HECS) Cells of the Composite Materials between Visible-Light Active Co(OH) ₂ and UV-Light Active Ni(OH) ₂ . ECS Transactions, 2018, 85, 1203-1217.	0.3	1
149	Graphite Layer Coated on Aluminium Foil as Anti-corrosion Current Collector for Neutral Aqueous Supercapacitors. ECS Transactions, 2020, 97, 3-11.	0.3	1
150	MnCo ₂ O ₄ Nanofibers as Efficient Photo-electrocatalyst for Oxygen Evolution Reaction and Oxygen Reduction Reaction. ECS Transactions, 2020, 97, 71-86.	0.3	1
151	Effect of Electrolyte Additives on Cycling Performance of 18650 Graphite//NMC811 Li-ion Batteries. ECS Transactions, 2020, 97, 155-166.	0.3	1
152	The Hybrid Energy Conversion and Storage of Nickel Metal Hydride (NiMH) Batteries. ECS Transactions, 2020, 97, 57-69.	0.3	1
153	Influence of Electrode Density on the Microstructural NCA Positive Electrode for Scalable 18650 Li-ion Batteries. ECS Transactions, 2020, 97, 143-154.	0.3	1
154	Polyaniline-Modified Hydrolyzed Polyethylene Separators for High-Performance Lithium-Sulfur Batteries. ECS Meeting Abstracts, 2019, , .	0.0	1
155	Electrochemical Reduction of Carbon Dioxide to Carbon Monoxide Using CVD N-Doped Graphene on Copper Foam As Carbo-/Electro-Catalyst. ECS Meeting Abstracts, 2020, MA2020-01, 615-615.	0.0	1
156	Heteroatom-Doped Reduced Graphene Oxide Nanosheets for Asymmetric Photo Supercapacitors. ECS Meeting Abstracts, 2021, MA2021-02, 506-506.	0.0	1
157	Effect of Cations in Imidazolium-Based Ionic Liquids on 18650 Supercapacitors of Activated Carbon. ECS Transactions, 2020, 97, 13-24.	0.3	1
158	Antibacterial and Antifungal Activities of Graphene Nanosheets. , 2016, , 71-80.		0
159	Addition of Redox Additive to Ionic Liquid Electrolyte for High-Performance Supercapacitors of N-Doped Graphene Aerogel. ECS Transactions, 2018, 85, 419-434.	0.3	0
160	Graphene-Based Materials with Different Morphologies and Structures as Interlayers for High-Performance Lithium-Sulfur Batteries. ECS Transactions, 2018, 85, 285-293.	0.3	0
161	High-Performance 18650 Lithium-Ion Batteries Using Ni-Rich Cathode and Silicon Nanoparticles/MCMB Composites. ECS Transactions, 2020, 97, 207-211.	0.3	0
162	Electrochemical Reduction of Carbon Dioxide Using CVD Graphene on Non-noble Metal Foams as Carbo-/Electro-Catalysts. ECS Transactions, 2020, 97, 301-308.	0.3	0

#	ARTICLE	IF	CITATIONS
163	Improving Interfacial Contact within Solid-State Lithium Batteries using the Composite Materials at the Cathode Produced by a Scalable Mechano-fusion Process. ECS Transactions, 2020, 97, 267-277.	0.3	0
164	Advanced Hybrid 18650 Li-Ion Capacitors of Lithium Titanate (LTO)/Activated Carbon. ECS Transactions, 2020, 97, 291-299.	0.3	0
165	Li ₇ La ₃ Zr ₂ O ₁₂ solid-State Electrolyte Modified LiNi _{0.8} Mn _{0.1} Co _{0.1} O ₂ Cathode Materials for 18650 Lithium-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-01, 242-242.	0.0	0
166	Scalable 18650 Cylindrical Cells of Lithium Metal Batteries Using Ni-Rich Cathode with Electrolyte Engineering. ECS Meeting Abstracts, 2021, MA2021-01, 394-394.	0.0	0
167	Development of NMC811@ZrO ₂ Core-Shell By Mechano-Fusion Process and Annealing Process for Next-Generation Lithium-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-01, 100-100.	0.0	0
168	A Novel Core@Shell Structure of NMC811 with Porous Al ₂ O ₃ Nanoparticles Adsorbed By LiTFSI in EMMI-TFSI for 18650 Lithium-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-01, 101-101.	0.0	0
169	First Prototype 18650 Aqueous Supercapacitors Using Graphite Coated Al Foil As Low Cost and Anti-Corrosion Current Collector. ECS Meeting Abstracts, 2021, MA2021-01, 491-491.	0.0	0
170	Study Insight into the Single Crystal Structure of NMC811 As the Next-Generation Cathode in 18650 Lithium-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-01, 250-250.	0.0	0
171	Photoactive Bimetal Cobaltite (XCo ₂ O ₄ : Ni, Mn, Fe, Co) Hollow-Nanofibers As an Efficient Bifunctional Photo-Electrocatalyst Towards Oer/ORR at the Cathode in Zn-Air Batteries. ECS Meeting Abstracts, 2021, MA2021-01, 316-316.	0.0	0
172	Theoretical and Experimental Investigations of Fluoroethylene Carbonate Electrolyte for High Performance Ni-Rich 18650 Lithium-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-01, 173-173.	0.0	0
173	Surface Coating of NMC811 with Four Functional Materials for Next-Generation Li-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-01, 248-248.	0.0	0
174	Long-Term Cycling Stability of 18650 Li-Ion Batteries Cells Using NMC811 Core@Shell Structure with Tetra-Materials. ECS Meeting Abstracts, 2021, MA2021-01, 246-246.	0.0	0
175	Enhanced Battery Cell Lifespan of Lithium Metal Battery Via Using Lithium Metal Alloy Protective Layer Anode and Aluminum Oxide Modified NMC Cathode. ECS Meeting Abstracts, 2021, MA2021-01, 249-249.	0.0	0
176	High-Performance Supercapacitors of N-Doped Graphene Aerogel and Its Nanocomposites. ECS Meeting Abstracts, 2017, , .	0.0	0
177	Li-Birnessite Manganese Oxide Coated on Graphene Aerogel for High-Efficient Electrocatalyst Towards Oxygen Reduction Reaction. ECS Meeting Abstracts, 2018, , .	0.0	0
178	A Single Energy Conversion and Storage Device of Cobalt Oxide Nanosheets and N-Doped Reduced Graphene Oxide Aerogel. ECS Meeting Abstracts, 2018, , .	0.0	0
179	Graphene-based materials with different morphologies and structures as interlayers for high-performance lithium-sulfur batteries. ECS Meeting Abstracts, 2018, , .	0.0	0
180	Ultra-High Specific Power and Energy of Lithium-Ion Capacitors of the Composite Material between N-Doped Reduced Graphene Oxide (N-rGO) and Carbon Nanotubes (CNTs). ECS Meeting Abstracts, 2018, , .	0.0	0

#	ARTICLE	IF	CITATIONS
181	Addition of Redox Additives to Ionic Liquid Electrolyte for High-Performance Supercapacitors of N-Doped Graphene Aerogel. ECS Meeting Abstracts, 2018, , .	0.0	0
182	Oxidative Chemical Vapor Deposition of 3D Graphene Oxide on Nickel Foam for Hydrogen Evolution Reaction in Acidic Electrolyte. ECS Meeting Abstracts, 2018, , .	0.0	0
183	Hybrid Energy Conversion and Storage (HECS) Cells of the Composite Materials between Visible-Light Active Co(OH) ₂ and UV-Light Active Ni(OH) ₂ . ECS Meeting Abstracts, 2018, , .	0.0	0
184	Photoactive Zn-Air-Batteries Using Cobalt Oxide As the Photocatalyst at the Cathode. ECS Meeting Abstracts, 2019, , .	0.0	0
185	Insight into the Effect of Cations in Ionic Liquid Electrolytes on Charge Storage Capacity of High-Performance Supercapacitors of N-Doped Graphene Aerogels. ECS Meeting Abstracts, 2019, , .	0.0	0
186	A Dual Functional Artificial Solid Electrolyte Interphase for Dendrite-Free Lithium-Metal Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
187	A Lithiophilic Scaffold of Three-Dimensional Free-Standing Silver Nanowire Aerogels for Stable Lithium Metal Batteries: In Operando xrd Investigation. ECS Meeting Abstracts, 2019, , .	0.0	0
188	Carbon Nanospheres-Encapsulated Silicon Anode from Solvent-Free Mechano-Fusion Process for Ultrahigh Stable Lithium Silicon Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
189	2D Layered Manganese Oxide Nanosheets as a Bifunctional Electrocatalyst for Zn-Air Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
190	Electrochemical Bridging-Impact Method for Characterizing the NCA@Carbon Core-Shell Cathode. ECS Meeting Abstracts, 2019, , .	0.0	0
191	Solvent-Free Mechano-Fusion Assisted Carbon Coatings for High Capacity Cathode - a Practically Feasible Approach. ECS Meeting Abstracts, 2019, , .	0.0	0
192	The Role of Electrolyte Additives on the Stability and Electrochemical Performance of Lithium-Sulfur Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
193	Surface Modification of Carbon Fiber Interlayer Via Amide Coupling Reaction for High-Performance Lithium-Sulfur Batteries: Experimental and Theoretical Investigation. ECS Meeting Abstracts, 2019, , .	0.0	0
194	Nickel-Rich NMC Cathode As a Lithium Metal Battery with a Cylindrical Cell Type 18650. ECS Meeting Abstracts, 2020, MA2020-01, 401-401.	0.0	0
195	High-Performance 18650 Lithium-Ion Batteries Using Ni-Rich Cathode and Silicon Nanoparticles/MCMB Composites. ECS Meeting Abstracts, 2020, MA2020-01, 466-466.	0.0	0
196	Highly Stable Passivation Layer on Metallic Lithium for High-Energy Rechargeable Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 548-548.	0.0	0
197	Carbon Nanosphere-Encapsulated LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ Cathode By Solvent-Free Mechano-Fusion Process for High Stable 18650 Lithium-Ion Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 231-231.	0.0	0
198	Influence of Electrode Density and Porosity on the Performance of NCA Positive Electrode for 18650 Li-Ion Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 395-395.	0.0	0

#	ARTICLE	IF	CITATIONS
199	The Hybrid Energy Conversion and Storage of Photoactive Nickel Metal Hydride Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 114-114.	0.0	0
200	Insight into the Superior Photoactive Electrochemical Performances of NiCo ₂ S ₄ for Efficient Bifunctional Catalyst Towards Oer/ORR in Rechargeable Zn-Air Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 113-113.	0.0	0
201	Lithium Bond Chemistry at the Interlayer for High-Performance Lithium Sulfur Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 2757-2757.	0.0	0
202	Advanced 18650 Li-Ion Capacitors of Lithium Titanate and Carbon Materials. ECS Meeting Abstracts, 2020, MA2020-01, 603-603.	0.0	0
203	Effect of Additives on Rechargeable NCA/Graphite 18650 Li-Ion Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 302-302.	0.0	0
204	Observation of Lithium Dendrite Growth on Lizo-PEO Solid Electrolyte. ECS Meeting Abstracts, 2020, MA2020-01, 552-552.	0.0	0
205	Birnessite-Type Layered Manganese Oxides Nanosheets for 18650-Type Cylindrical Aqueous Supercapacitors. ECS Meeting Abstracts, 2020, MA2020-01, 7-7.	0.0	0
206	Insight into the Effect of LiNO ₃ Additive in High Voltage NCA Cathode with a Cylindrical 18650 Lithium-Metal Battery. ECS Meeting Abstracts, 2020, MA2020-01, 59-59.	0.0	0
207	Advanced 18650 Lithium-Ion Batteries with LiMn ₂ O ₄ @Carbon Core-Shell Cathode and Si/Mcmb Anode. ECS Meeting Abstracts, 2020, MA2020-01, 394-394.	0.0	0
208	Effect of Cations in Imidazolium-Based Ionic Liquids on 18650 Supercapacitors of Activated Carbon and Graphene Aerogel. ECS Meeting Abstracts, 2020, MA2020-01, 13-13.	0.0	0
209	The Photoactive Cation-Substituted Spinel Cobaltite XCo ₂ O ₄ (X = Fe, Co, Ni, and Mn) Using As Air Cathodes in Zinc-Air Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 115-115.	0.0	0
210	A Thin-Layer Carbon Nanosphere Coating on Ni-Rich NMC811 Core-Shell Cathode Via Solvent-Free Mechano-fusion Process: In Operando Investigation and Highly Stable 18650 Li-Ion Battery. ECS Meeting Abstracts, 2020, MA2020-01, 220-220.	0.0	0
211	Synthesis and Characterization of N-Rich Cathodes Metal Oxides Core-Shell Materials for High-Performance Li-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 321-321.	0.0	0
212	3D CVD N-Doped Graphene Coated Cu Foam As Electro-Catalyst Towards CO ₂ Reduction Reaction (CO ₂ RR). ECS Meeting Abstracts, 2021, MA2021-02, 1426-1426.	0.0	0
213	Long-Term Cycling Stability of Ni-Rich Li-Ion Batteries Cells Using the Encapsulation of Multifunctional Materials. ECS Meeting Abstracts, 2021, MA2021-02, 391-391.	0.0	0
214	Single Crystal NMC811 for High-Stability Lithium-Ion Batteries at the 18650 Cylindrical Cells. ECS Meeting Abstracts, 2021, MA2021-02, 324-324.	0.0	0
215	The Charge Storage Mechanism of Imidazolium-Based Ionic Liquids on Activated Carbon Supercapacitor: In Situ Raman Study and 18650 Cell Fabrication. ECS Meeting Abstracts, 2021, MA2021-02, 505-505.	0.0	0
216	Chemically Oxidized Precursor for Ni-Rich NCA Cathode Synthesis with Improved Performances. ECS Meeting Abstracts, 2021, MA2021-02, 320-320.	0.0	0

#	ARTICLE	IF	CITATIONS
217	Solid-State Electrolyte Modified Ni-Rich Cathode Materials for High-Stability Lithium-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 323-323.	0.0	0
218	Development of Silicon-Graphite-Reduced Graphene Oxide Anode for Lithium-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 511-511.	0.0	0
219	A Novel Core Shell Structure of N-Rich Cathode with Li-Containing Ionic Liquid/Metal Oxides for 18650 Lithium-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 322-322.	0.0	0
220	Effect of Fern-Leaf-like Lithiophilic Silver on the Lithium Metal Anode-Free Battery. ECS Meeting Abstracts, 2021, MA2021-02, 509-509.	0.0	0
221	Enhancing Electrochemical Performance of Layered Birnessite Materials with Metal Ions Intercalated Cation for Aqueous Zinc-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 82-82.	0.0	0
222	NMC811 Carbon Core Shell Materials for High-Performance 18650 Ni-Rich Li-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 325-325.	0.0	0
223	Machine Learning Approaches to the Investigations of State-of-the-Art Electrolyte for High Performance Lithium-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 56-56.	0.0	0
224	Lithium Intercalated Layered Manganese Oxide/Reduced Graphene Oxide As an Anode for Lithium-Ion Battery. ECS Meeting Abstracts, 2021, MA2021-02, 537-537.	0.0	0
225	Are Ionic Liquids Safe for 18650 Ni-Rich Li-Ion Battery Cells?. ECS Meeting Abstracts, 2021, MA2021-02, 319-319.	0.0	0
226	Influence of Electrolyte Additives on Lithium Titanate-Based Energy Storage Systems. ECS Meeting Abstracts, 2021, MA2021-02, 447-447.	0.0	0
227	Effect of Mass Transport on the Charge Storage Mechanism of Cobalt Hydroxide Nanosheets in an Aqueous Electrolyte. ECS Meeting Abstracts, 2021, MA2021-02, 496-496.	0.0	0
228	Encapsulation of NMC811 with Multifunctional Materials for Next-Generation Li-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 390-390.	0.0	0
229	Reducing Intrinsic Drawbacks of Ni-Rich NMC811 Cathode By Blending with LMO Cathode in 18650 Lithium-Ion Batteries. ECS Meeting Abstracts, 2022, MA2022-01, 277-277.	0.0	0
230	(Digital Presentation) Free Solvent Molecules in the Electrolyte Leading to Severe Safety Concern of Ni-Rich Li-Ion Batteries. ECS Meeting Abstracts, 2022, MA2022-01, 239-239.	0.0	0
231	Dry Particle Fusion Assisted Ceramic Coatings for High Nickel Cathode for Scalable 18650 Lithium-Ion Batteries. ECS Meeting Abstracts, 2022, MA2022-01, 416-416.	0.0	0
232	Investigation of Garnet Solid Electrolyte-Layered Oxide Cathode Interfaces Towards Cylindrical High-Performance Li-Ion Batteries. ECS Meeting Abstracts, 2022, MA2022-01, 164-164.	0.0	0
233	Enhancing Cycling Stability of NMC811 Li-Ion Batteries By Encapsulating with Nanomaterials. ECS Meeting Abstracts, 2022, MA2022-01, 302-302.	0.0	0
234	Understanding the Effect of Pre-Intercalated Cations on Zn-Ion Storage Mechanism of Layered Birnessite Manganese Oxide for Aqueous Zn-ion Batteries. ECS Meeting Abstracts, 2022, MA2022-01, 25-25.	0.0	0

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235	(Digital Presentation) Insight into the Electrolyte Decomposition Under Abused Testing Protocol Towards Ni-Rich Li-Ion Batteries. ECS Meeting Abstracts, 2022, MA2022-01, 249-249.	0.0	0