Jeng-Kuei Chang

List of Publications by Year
in descending order

252	8,770	44444	78623
papers	citations	50 h-index	77 g-index

255	255	255	11013
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Co-free high entropy spinel oxide anode with controlled morphology and crystallinity for outstanding charge/discharge performance in Lithium-ion batteries. Chemical Engineering Journal, 2022, 430, 132658.	6.6	49
2	High-Li+-fraction ether-side-chain pyrrolidiniumâ€“asymmetric imide ionic liquid electrolyte for high-energy-density Si//Ni-rich layered oxide Li-ion batteries. Chemical Engineering Journal, 2022, 430, 132693.	6.6	15
3	Tin phosphide-carbon composite as a high-performance anode active material for sodium-ion batteries with high energy density. Journal of Energy Chemistry, 2022, 64, 463-474.	7.1	23
4	High-Performance and Safe Hybrid Li-Ion Batteries Based on Li₄Ti₅O₁₂â€“TiO₂(A)â€“TiO₂(R)@C Anode and Na₃V₂O₂(PO₄)₂Fâ€“Na₃V₂(PO₄)<su Cathode. ACS Sustainable Chemistry and Engineering, 2022, 10, 1390-1397.	8.2	3
5	Oxygen reduction reactions from boron-doped graphene quantum dot catalyst electrodes in acidic and alkaline electrolytes. Journal of the Taiwan Institute of Chemical Engineers, 2022, 133, 104196.	2.7	7
6	The advent of manganese-substituted sodium vanadium phosphate-based cathodes for sodium-ion batteries and their current progress: a focused review. Journal of Materials Chemistry A, 2022, 10, 1022-1046.	5.2	26
7	Effects of Elemental Modulation on Phase Purity and Electrochemical Properties of Coâ€free Highâ€Entropy Spinel Oxide Anodes for Lithiumâ€Ion Batteries. Advanced Functional Materials, 2022, 32, .	7.8	48
8	Electrosynthesis of electrochromic polymers based on bis-(4-(N-carbazolyl)phenyl)-phenylphosphine oxide and 3,4-propylenedioxythiophene derivatives and studies of their applications in high contrast dual type electrochromic devices. Journal of the Taiwan Institute of Chemical Engineers, 2022, 131, 104173.	2.7	5
9	New insights into interface charge-transfer mechanism of copper-iron layered double hydroxide cathodic electrocatalyst in alkaline electrolysis. Journal of Environmental Chemical Engineering, 2022, 10, 107287.	3.3	6
10	Hierarchical Interconnected Hybrid Solid Electrolyte Membrane for All-Solid-State Lithium-Metal Batteries Based on High-Voltage NCM811 Cathodes. ACS Applied Energy Materials, 2022, 5, 2580-2595.	2.5	13
11	Lithium Nafionâ€“Modified Li_{6.05}Ga_{0.25}La₃Zr₂O_{11.8}F_{0.2} Trilayer Hybrid Solid Electrolyte for High-Voltage Cathodes in All-Solid-State Lithium-Metal Batteries. ACS Applied Materials & Interfaces, 2022, 14, 15259-15274.	4.0	11
12	High-Power and Long-Life Na₃V₂O₂(PO₄)₂Fâ€“Na₃V₂(PO₄ Bimaterial Electrodes for Hybrid Batteryâ€“Capacitor Energy Storage Devices. ACS Applied Energy Materials, 2022, 5, 4070-4084.	2.5	4
13	Hierarchical Carbon Composites for Highâ€Energy/Powerâ€Density and Highâ€Reliability Supercapacitors with Low Aging Rate. ChemSusChem, 2022, 15, .	3.6	2
14	Chargeâ€“Discharge Mechanism of Highâ€Entropy Coâ€free Spinel Oxide Toward Li⁺ Storage Examined Using Operando Quickâ€Scanning Xâ€Ray Absorption Spectroscopy. Advanced Science, 2022, 9, .	5.6	28
15	Improvement on high-temperature electrochemical performance of lithium-ion pouch cells by spatial atomic layer deposition. Electrochimica Acta, 2022, 423, 140605.	2.6	3
16	Fluorinated graphene as a dual-functional anode to achieve dendrite-free and high-performance lithium metal batteries. Carbon, 2022, 197, 141-151.	5.4	19
17	Nitrogen-doped holey graphene additive for high-performance electric double-layer supercapacitors. Electrochimica Acta, 2022, 425, 140713.	2.6	2
18	An oxygen-blocking oriented multifunctional solidâ€“electrolyte interphase as a protective layer for a lithium metal anode in lithiumâ€“oxygen batteries. Energy and Environmental Science, 2021, 14, 1439-1448.	15.6	41

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19	Creating electronic and ionic conductivity gradients for improving energy storage performance of ruthenium oxide electrodes. Journal of Alloys and Compounds, 2021, 862, 158013.	2.8	0
20	Electrosynthesis of Electrochromic Polymer Membranes Based on 3,6-Di(2-thienyl)carbazole and Thiophene Derivatives. Membranes, 2021, 11, 125.	1.4	7
21	Electrodeposited Copolymers Based on 9,9â€²-(5-Bromo-1,3-phenylene)biscarbazole and Dithiophene Derivatives for High-Performance Electrochromic Devices. Polymers, 2021, 13, 1136.	2.0	6
22	Optimizing the Mg Doping Concentration of Na₃V_{2â€“x}Mg_x(PO₄)₂F₃/C for Enhanced Sodiation/Desodiation Properties. ACS Sustainable Chemistry and Engineering, 2021, 9, 6962-6971.	3.2	25
23	A comprehensive review on recent advances of polyanionic cathode materials in Naâ€ion batteries for cost effective energy storage applications. Wiley Interdisciplinary Reviews: Energy and Environment, 2021, 10, e400.	1.9	20
24	Composites of platinum particles embedded into poly(6-cyanoindole)/poly(styrenesulfonic acid) for methanol oxidation. International Journal of Hydrogen Energy, 2021, 46, 16644-16654.	3.8	4
25	Hydrogenated Anatase and Rutile TiO₂ for Sodium-Ion Battery Anodes. ACS Applied Energy Materials, 2021, 4, 5738-5746.	2.5	22
26	Effects of surface functional groups of coal-tar-pitch-derived nanoporous carbon anodes on microbial fuel cell performance. Renewable Energy, 2021, 171, 87-94.	4.3	18
27	An interfacial wetting water based hydrogel electrolyte for high-voltage flexible quasi solid-state supercapacitors. Energy Storage Materials, 2021, 38, 489-498.	9.5	28
28	An assessment of pyrite thin-film cathode characteristics for thermal batteries by the doctor blade coating method. Journal of Materials Research and Technology, 2021, 13, 1139-1149.	2.6	8
29	Composition manipulation of bis(fluorosulfonyl)imide-based ionic liquid electrolyte for high-voltage graphite//LiNi0.5Mn1.5O4 lithium-ion batteries. Chemical Engineering Journal, 2021, 415, 128904.	6.6	21
30	Supercritical CO₂â€Assisted SiO_x/Carbon Multiâ€Layer Coating on Si Anode for Lithiumâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2104135.	7.8	59
31	An Enhanced Electrode via Coupling with a Conducting Molecule to Extend Interfacial Reactions. Advanced Energy Materials, 2021, 11, 2101156.	10.2	11
32	Ordered nano-structured mesoporous CMK-8 and other carbonaceous positive electrodes for rechargeable aluminum batteries. Chemical Engineering Journal, 2021, 417, 129131.	6.6	15
33	Uranium In Situ Electrolytic Deposition with a Reusable Functional Grapheneâ€Foam Electrode. Advanced Materials, 2021, 33, e2102633.	11.1	52
34	Atomic-scale investigation of Na3V2(PO4)3 formation process in chemical infiltration via in situ transmission electron microscope for solid-state sodium batteries. Nano Energy, 2021, 87, 106144.	8.2	12
35	Atomic-scale investigation of Lithiation/Delithiation mechanism in High-entropy spinel oxide with superior electrochemical performance. Chemical Engineering Journal, 2021, 420, 129838.	6.6	53
36	High-voltage lithium-metal battery with three-dimensional mesoporous carbon anode host and ether/carbonate binary electrolyte. Carbon, 2021, 184, 752-763.	5.4	10

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37	Synthesis of bimetallic sulfide FeCoS4@carbon nanotube graphene hybrid as a high-performance anode material for sodium-ion batteries. Chemical Engineering Journal, 2021, 423, 130070.	6.6	23
38	Electrochemical Characteristics of a Polymer/Garnet Trilayer Composite Electrolyte for Solid-State Lithium-Metal Batteries. ACS Applied Materials & Interfaces, 2021, 13, 2507-2520.	4.0	33
39	Room-Temperature Hydrogen Adsorption via Spillover in Pt Nanoparticle-Decorated UiO-66 Nanoparticles: Implications for Hydrogen Storage. ACS Applied Nano Materials, 2021, 4, 11269-11280.	2.4	20
40	Improving high-temperature performance of lithium-rich cathode by roll-to-roll atomic layer deposition of titania nanocoating for lithium-ion batteries. Journal of Energy Storage, 2021, 44, 103348.	3.9	7
41	Improving the Electrochemical Performances of Supercapacitors through Modification of the Particle Size Distribution of the Carbon Electrode. IOP Conference Series: Earth and Environmental Science, 2021, 927, 012044.	0.2	0
42	Fluorescence of functionalized graphene quantum dots prepared from infrared-assisted pyrolysis of citric acid and urea. Journal of Luminescence, 2020, 217, 116774.	1.5	72
43	Amino-functionalization on graphene oxide sheets using an atomic layer amidation technique. Journal of Materials Chemistry C, 2020, 8, 700-705.	2.7	5
44	Highly concentrated carbonate electrolyte for Li-ion batteries with lithium metal and graphite anodes. Journal of Power Sources, 2020, 450, 227657.	4.0	32
45	Graphene induced crystallinity and hydrous state variations of ruthenium oxide electrodes for superior energy storage performance. Electrochimica Acta, 2020, 360, 136995.	2.6	7
46	Hydrous ruthenium oxide-tantalum pentoxide thin film electrodes prepared by thermal decomposition for electrochemical capacitors. Ceramics International, 2020, 46, 16636-16643.	2.3	4
47	Germanium-assisted growth of titanium dioxide nanowires for enhanced photocatalytic and electron emission performance. Applied Surface Science, 2020, 530, 147204.	3.1	6
48	Designed Catalytic Protocol for Enhancing Hydrogen Evolution Reaction Performance of P, N-Co-Doped Graphene: The Correlation of Manipulating the Dopant Allocations and Heteroatomic Structure. Journal of Physical Chemistry C, 2020, 124, 25701-25711.	1.5	9
49	Roll-To-Roll Atomic Layer Deposition of Titania Nanocoating on Thermally Stabilizing Lithium Nickel Cobalt Manganese Oxide Cathodes for Lithium Ion Batteries. ACS Applied Energy Materials, 2020, 3, 10619-10631.	2.5	13
50	Moderate-Concentration Fluorinated Electrolyte for High-Energy-Density Si//LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 16252-16261.	3.2	10
51	Determination of the Volume Changes Occurring for Conversion/Alloying-Type Li-Ion Anodes upon Lithiation/Delithiation. Journal of Physical Chemistry Letters, 2020, 11, 8238-8245.	2.1	12
52	High entropy spinel oxide nanoparticles for superior lithiationâ€“delithiation performance. Journal of Materials Chemistry A, 2020, 8, 18963-18973.	5.2	164
53	Control of Graphene Heteroatoms in a Microball Si@Graphene Composite Anode for High-Energy-Density Lithium-Ion Full Cells. ACS Sustainable Chemistry and Engineering, 2020, 8, 18936-18946.	3.2	14
54	Ga-doped lithium lanthanum zirconium oxide electrolyte for solid-state Li batteries. Electrochimica Acta, 2020, 353, 136536.	2.6	18

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55	Physicochemical and electrochemical properties of the (fluorosulfonyl)(trifluoromethylsulfonyl)amide ionic liquid for Na secondary batteries. Journal of Power Sources, 2020, 470, 228406.	4.0	12
56	Manipulation of Nitrogen-Heteroatom Configuration for Enhanced Charge-Storage Performance and Reliability of Nanoporous Carbon Electrodes. ACS Applied Materials & Interfaces, 2020, 12, 32797-32805.	4.0	32
57	Facile synthesis of coreâ€“shell structured Si@graphene balls as a high-performance anode for lithium-ion batteries. Nanoscale, 2020, 12, 9616-9627.	2.8	43
58	Improved lithium storage capacity and high rate capability of nitrogen-doped graphite-like electrode materials prepared from thermal pyrolysis of graphene quantum dots. Electrochimica Acta, 2020, 354, 136642.	2.6	19
59	High Power Na₃V₂(PO₄)₃@C/AC Bi-material Cathodes for Hybrid Battery-Capacitor Energy Storage Devices. Journal of the Electrochemical Society, 2020, 167, 110546.	1.3	7
60	High reversible Li plating and stripping by in-situ construction a multifunctional lithium-pinned array. Energy Storage Materials, 2020, 28, 188-195.	9.5	34
61	In situ atomic scale investigation of Li7La3Zr2O12-based Li+-conducting solid electrolyte during calcination growth. Nano Energy, 2020, 71, 104625.	8.2	28
62	A Novel Moistureâ€Insensitive and Lowâ€Corrosivity Ionic Liquid Electrolyte for Rechargeable Aluminum Batteries. Advanced Functional Materials, 2020, 30, 1909565.	7.8	38
63	A Lithium-Ion Rechargeable Full Cell Using the Flower-like Na₃V₂(PO₄)₃@C Cathode and Li₄Ti₅O₁₂ Anode. ACS Sustainable Chemistry and Engineering, 2020, 8, 7523-7535.	3.2	14
64	A Holey Graphene Additive for Boosting Performance of Electric Double-Layer Supercapacitors. Polymers, 2020, 12, 765.	2.0	7
65	Supercapacitive Properties of Microporeâ€and Mesoporeâ€Rich Activated Carbon in Ionicâ€Liquid Electrolytes with Various Constituent Ions. ChemSusChem, 2019, 12, 449-456.	3.6	20
66	Electrochemical characteristics of 0.3Li2MnO3â€“0.7LiMn1.5Ni0.5O4 composite cathode in pyrrolidinium-based ionic liquid electrolytes. Journal of the Taiwan Institute of Chemical Engineers, 2019, 95, 195-201.	2.7	2
67	Tailoring fluorescence emissions, quantum yields, and white light emitting from nitrogen-doped graphene and carbon nitride quantum dots. Nanoscale, 2019, 11, 16553-16561.	2.8	57
68	Manipulation of Heteroatom Substitution on Nitrogen and Phosphorus Co-Doped Graphene as a High Active Catalyst for Hydrogen Evolution Reaction. Journal of Physical Chemistry C, 2019, 123, 22202-22211.	1.5	29
69	Nano-fibrous SrCe0Â·8Y0Â·2O3-Î´-Ni anode functional layer for proton-conducting solid oxide fuel cells. Journal of Power Sources, 2019, 436, 226863.	4.0	6
70	Superior coulombic efficiency of lithium anodes for rechargeable batteries utilizing high-concentration ether electrolytes. Electrochimica Acta, 2019, 319, 625-633.	2.6	18
71	Effects of TiO2 and SDC addition on the properties of YSZ electrolyte. International Journal of Hydrogen Energy, 2019, 44, 29426-29431.	3.8	12
72	Composition Modulation of Ionic Liquid Hybrid Electrolyte for 5 V Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 42049-42056.	4.0	18

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73	Tuning of Na+ Concentration in an Ionic Liquid Electrolyte to Optimize Solidâ€“Electrolyte Interphase at Microplasma-Synthesized Graphene Anode for Na-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 16682-16689.	3.2	14
74	Nanocatalyst-Assisted Fine Tailoring of Pore Structure in Holey-Graphene for Enhanced Performance in Energy Storage. ACS Applied Materials & Interfaces, 2019, 11, 36560-36570.	4.0	15
75	Ionic Liquids with Various Constituent Ions To Optimize Non-Enzymatic Electrochemical Detection Properties of Graphene Electrodes. ACS Sustainable Chemistry and Engineering, 2019, 7, 16233-16240.	3.2	6
76	Fabrication of anode-supported thin BCZY electrolyte protonic fuel cells using NiO sintering aid. International Journal of Hydrogen Energy, 2019, 44, 23784-23792.	3.8	42
77	Hybrid electrolyte enables safe and practical 5 V LiNi_{0.5}Mn_{1.5}O₄ batteries. Journal of Materials Chemistry A, 2019, 7, 16516-16525.	5.2	32
78	A polyoxometalate-based polymer electrolyte with an improved electrode interface and ion conductivity for high-safety all-solid-state batteries. Journal of Materials Chemistry A, 2019, 7, 15924-15932.	5.2	27
79	Microstructures and electrical properties of zirconium doped barium cerate perovskite proton conductors. International Journal of Hydrogen Energy, 2019, 44, 21174-21180.	3.8	16
80	A functionalized membrane for lithiumâ€“oxygen batteries to suppress the shuttle effect of redox mediators. Journal of Materials Chemistry A, 2019, 7, 14260-14270.	5.2	40
81	Applications of Copolymers Consisting of 2,6-di(9H-carbazol-9-yl)pyridine and 3,6-di(2-thienyl)carbazole Units as Electrodes in Electrochromic Devices. Materials, 2019, 12, 1251.	1.3	10
82	High energy density of all-screen-printable solid-state microsupercapacitors integrated by graphene/CNTs as hierarchical electrodes. Journal of Materials Chemistry A, 2019, 7, 12779-12789.	5.2	38
83	Carbonaceous Anodes Derived from Sugarcane Bagasse for Sodiumâ€ion Batteries. ChemSusChem, 2019, 12, 2302-2309.	3.6	48
84	Microwave growth and tunable photoluminescence of nitrogen-doped graphene and carbon nitride quantum dots. Journal of Materials Chemistry C, 2019, 7, 5468-5476.	2.7	75
85	ZIF-8-Based Quasi-Solid-State Electrolyte for Lithium Batteries. ACS Applied Materials & Interfaces, 2019, 11, 46671-46677.	4.0	61
86	Facile fabrication of titania-ordered cubic mesoporous carbon composite: Effect of Ni doping on photocatalytic hydrogen generation. International Journal of Hydrogen Energy, 2019, 44, 19255-19266.	3.8	21
87	Moderately concentrated electrolyte improves solidâ€“electrolyte interphase and sodium storage performance of hard carbon. Energy Storage Materials, 2019, 16, 146-154.	9.5	73
88	Supercapacitive performance of porous graphene nanosheets in bis(trifluoromethylsulfony)imide and bis(fluorosulfonyl)imide ionic liquid electrolytes. Journal of Solid State Electrochemistry, 2018, 22, 2197-2203.	1.2	4
89	Electrochemical energy storage of nanocrystalline vanadium oxide thin films prepared from various plating solutions for supercapacitors. Electrochimica Acta, 2018, 273, 257-263.	2.6	7
90	Three-dimensional carbon framework anode improves sodiationâ€“desodiation properties in ionic liquid electrolyte. Nano Energy, 2018, 49, 515-522.	8.2	20

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91	Functional Group-Dependent Supercapacitive and Aging Properties of Activated Carbon Electrodes in Organic Electrolyte. ACS Sustainable Chemistry and Engineering, 2018, 6, 1208-1214.	3.2	41
92	Titanium Carbide (MXene) as a Current Collector for Lithium-Ion Batteries. ACS Omega, 2018, 3, 12489-12494.	1.6	77
93	A Waterâ€Soluble NaCMC/NaPAA Binder for Exceptional Improvement of Sodiumâ€Ion Batteries with an SnO₂â€Ordered Mesoporous Carbon Anode. ChemSusChem, 2018, 11, 3923-3931.	3.6	34
94	Prior vacuuming for supercritical fluid synthesis of SnO2/graphene nanocomposites with superior electrochemical Li+ storage performance. Electrochimica Acta, 2018, 292, 951-959.	2.6	12
95	Tuning oxidation level, electrical conductance and band gap structure on graphene sheets by a cyclic atomic layer reduction technique. Carbon, 2018, 137, 234-241.	5.4	10
96	Comparative Study on the Morphology-Dependent Performance of Various CuO Nanostructures as Anode Materials for Sodium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2018, 6, 10876-10885.	3.2	37
97	Electrochromic Devices Based on Poly(2,6-di(9H-carbazol-9-yl)pyridine)-Type Polymer Films and PEDOT-PSS. Polymers, 2018, 10, 604.	2.0	16
98	Atomic layer oxidation on graphene sheets for tuning their oxidation levels, electrical conductivities, and band gaps. Nanoscale, 2018, 10, 15521-15528.	2.8	14
99	Combinatorial Studies on Wet-Chemical Synthesized Ti-Doped Î±-Fe₂O₃: How Does Ti⁴⁺ Improve Photoelectrochemical Activity?. ACS Applied Nano Materials, 2018, 1, 3145-3154.	2.4	10
100	Facile synthesis of silk-cocoon S-rich cobalt polysulfide as an efficient catalyst for the hydrogen evolution reaction. Energy and Environmental Science, 2018, 11, 2467-2475.	15.6	91
101	High-selectivity electrochemical non-enzymatic sensors based on graphene/Pd nanocomposites functionalized with designated ionic liquids. Biosensors and Bioelectronics, 2017, 89, 483-488.	5.3	34
102	Magnetic impurity effects on self-discharge capacity, cycle performance, and rate capability of LiFePO4/C composites. Journal of Solid State Electrochemistry, 2017, 21, 1767-1775.	1.2	8
103	Chemical stability and electrical and mechanical properties of BaZrxCe0.8-xY0.2O3 with CeO2 protection method. International Journal of Hydrogen Energy, 2017, 42, 22259-22265.	3.8	8
104	Electrochemical performance of MIL-53(Fe)@RGO as an Organic Anode Material for Li-ion Batteries. Electrochimica Acta, 2017, 246, 528-535.	2.6	76
105	Electrochemical Na⁺ storage properties of SnO₂/graphene anodes in carbonate-based and ionic liquid electrolytes. Journal of Materials Chemistry A, 2017, 5, 13776-13784.	5.2	21
106	Three-dimensional interpenetrating mesoporous carbon confining SnO₂particles for superior sodiation/desodiation properties. Nanoscale, 2017, 9, 8674-8683.	2.8	33
107	Ba1â^'xSrxCe0.8â^'yZryY0.2O3â^'Î´ protonic electrolytes synthesized by hetero-composition-exchange method for solid oxide fuel cells. International Journal of Hydrogen Energy, 2017, 42, 22222-22227.	3.8	7
108	Ecoâ€Efficient Synthesis of Highly Porous CoCO₃ Anodes from Supercritical CO₂ for Li⁺ and Na⁺ Storage. ChemSusChem, 2017, 10, 2464-2472.	3.6	21

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109	Electrodeposition of Nanomaterials. , 2017, , 835-895.		2
110	Controlled multimodal hierarchically porous electrode self-assembly of electrochemically exfoliated graphene for fully solid-state flexible supercapacitor. Physical Chemistry Chemical Physics, 2017, 19, 30381-30392.	1.3	21
111	A Honeycomb-like Co@Nâ€“C Composite for Ultrahigh Sulfur Loading Liâ€“S Batteries. ACS Nano, 2017, 11, 11417-11424.	7.3	211
112	Electrolyte Engineering: Optimizing Highâ€Rate Doubleâ€Layer Capacitances of Microporeâ€and Mesoporeâ€Rich Activated Carbon. ChemSusChem, 2017, 10, 3534-3539.	3.6	5
113	Electrolyte Optimization for Enhancing Electrochemical Performance of Antimony Sulfide/Graphene Anodes for Sodium-Ion Batteriesâ€“Carbonate-Based and Ionic Liquid Electrolytes. ACS Sustainable Chemistry and Engineering, 2017, 5, 8269-8276.	3.2	43
114	Potassium doping optimization in proton-conducting Ba1-xKxCe0.6Zr0.2Y0.2O3-Î´ oxides for fuel cell applications. Journal of Alloys and Compounds, 2017, 696, 251-256.	2.8	14
115	Poly(tris(4-carbazoyl-9-ylphenyl)amine)/Three Poly(3,4-ethylenedioxythiophene) Derivatives in Complementary High-Contrast Electrochromic Devices. Polymers, 2017, 9, 543.	2.0	16
116	Copolymers Based on 1,3-Bis(carbazol-9-yl)benzene and Three 3,4-Ethylenedioxythiophene Derivatives as Potential Anodically Coloring Copolymers in High-Contrast Electrochromic Devices. Polymers, 2016, 8, 368.	2.0	23
117	Analysis of an intermediate-temperature proton-conducting SOFC hybrid system. International Journal of Green Energy, 2016, 13, 1640-1647.	2.1	7
118	Ionic Liquid-Modified Copper Phosphate Electrodes for the Detection of Î±-Amino Acids in a Weakly Alkaline Solution. Journal of the Electrochemical Society, 2016, 163, B768-B774.	1.3	3
119	Microplasma-assisted bottom-up synthesis of graphene nanosheets with superior sodium-ion storage performance. Journal of Materials Chemistry A, 2016, 4, 7624-7631.	5.2	21
120	Infrared-assisted Synthesis of Lithium Nickel Cobalt Alumina Oxide Powders as Electrode Material for Lithium-ion Batteries. Electrochimica Acta, 2016, 206, 207-216.	2.6	41
121	Structure-mediated electrochemical performance of SnS 2 anode for Li-ion batteries. Journal of the Taiwan Institute of Chemical Engineers, 2016, 66, 292-300.	2.7	15
122	High energy density layered-spinel hybrid cathodes for lithium ion rechargeable batteries. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 213, 148-156.	1.7	9
123	Scalable Patterning of MoS₂ Nanoribbons by Micromolding in Capillaries. ACS Applied Materials & Interfaces, 2016, 8, 20993-21001.	4.0	23
124	High dispersion of 1-nm SnO2 particles between graphene nanosheets constructed using supercritical CO2 fluid for sodium-ion battery anodes. Nano Energy, 2016, 28, 124-134.	8.2	101
125	Suitability of ionic liquid electrolytes for room-temperature sodium-ion battery applications. Chemical Communications, 2016, 52, 10890-10893.	2.2	51
126	Highly enhanced electrochemical performance of ultrafine CuO nanoparticles confined in ordered mesoporous carbons as anode materials for sodium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 14222-14233.	5.2	58

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127	Gravimetric/volumetric capacitances, leakage current, and gas evolution of activated carbon supercapacitors. Electrochimica Acta, 2016, 222, 1153-1159.	2.6	32
128	The hierarchical porosity of a three-dimensional graphene electrode for binder-free and high performance supercapacitors. RSC Advances, 2016, 6, 8384-8394.	1.7	23
129	High performance infrared heaters using carbon fiber filaments decorated with alumina layer by microwave-assisted method. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 521-525.	2.7	8
130	Diffusion coefficients, spin-lattice relaxation times, and chemical shift variations of NMR spectra in LiTFSI-doped ether- and allyl-functionalized dicationic ionic liquids. Journal of the Taiwan Institute of Chemical Engineers, 2016, 60, 138-150.	2.7	22
131	Facile electrochemical preparation of hierarchical porous structures to enhance manganese oxide charge-storage properties in ionic liquid electrolytes. Journal of Materials Chemistry A, 2016, 4, 4015-4018.	5.2	11
132	MoS₂/graphene cathodes for reversibly storing Mg²⁺ and Mg²⁺/Li⁺ in rechargeable magnesium-anode batteries. Chemical Communications, 2016, 52, 1701-1704.	2.2	74
133	Material characterization and electrochemical performance of Sr(Ce_{0.6}Zr_{0.4})_{0.8}Y_{0.2}O<sub>3&am proton conducting ceramics prepared by EDTA-citrate complexing and solid-state reaction methods. Journal of the Ceramic Society of Japan, 2015, 123, 187-192.	0.5	7
134	Evolution of the sintering ability, microstructure, and cell performance of Ba_{0.8}Sr_{0.2}Ce_{0.8−}<i><sub>x−y (<i>x</i> = 0.05, 0.1 <i>y</i> = 0, 0.1) proton-conducting electrolytes for solid oxide fuel cell. Journal of the Ceramic Society of Japan, 2015, 123, 193-198.	0.5	8
135	Costâ€Effective Hierarchical Catalysts for Promoting Hydrogen Release from Complex Hydrides. ChemSusChem, 2015, 8, 2713-2718.	3.6	6
136	Copolymers Based on Indole-6-Carboxylic Acid and 3,4-Ethylenedioxythiophene as Platinum Catalyst Support for Methanol Oxidation. Catalysts, 2015, 5, 1657-1672.	1.6	10
137	Ionic Liquid Electrolytes with Various Constituent Ions for Graphene-based Supercapacitors. Electrochimica Acta, 2015, 161, 371-377.	2.6	65
138	Primary human nasal epithelial cell response to titanium surface with a nanonetwork structure in nasal implant applications. Nanoscale Research Letters, 2015, 10, 167.	3.1	7
139	Mixed ionic liquid/organic carbonate electrolytes for LiNi0.8Co0.15Al0.05O2 electrodes at various temperatures. RSC Advances, 2015, 5, 106824-106831.	1.7	7
140	Graphene grown on stainless steel as a high-performance and ecofriendly anti-corrosion coating for polymer electrolyte membrane fuel cell bipolar plates. Journal of Power Sources, 2015, 282, 248-256.	4.0	140
141	Influence of LiTFSI Addition on Conductivity, Diffusion Coefficient, Spinâ€“Lattice Relaxation Times, and Chemical Shift of One-Dimensional NMR Spectroscopy in LiTFSI-Doped Dual-Functionalized Imidazolium-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2015, 60, 471-483.	1.0	13
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