

Yu-Xun Ren

List of Publications by Year in descending order

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140
papers

11,460
citations

20797

60
h-index

30058

103
g-index

141
all docs

141
docs citations

141
times ranked

9833
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-precious Co ₃ O ₄ nano-rod electrocatalyst for oxygen reduction reaction in anion-exchange membranefuelcells. Energy and Environmental Science, 2012, 5, 5333-5339.	15.6	487
2	Borophene: A promising anode material offering high specific capacity and high rate capability for lithium-ion batteries. Nano Energy, 2016, 23, 97-104.	8.2	454
3	A high-energy and long-cycling lithium-sulfur pouch cell via a macroporous catalytic cathode with double-end binding sites. Nature Nanotechnology, 2021, 16, 166-173.	15.6	392
4	Advances and challenges in alkaline anion exchange membrane fuel cells. Progress in Energy and Combustion Science, 2018, 66, 141-175.	15.8	388
5	Novel gel polymer electrolyte for high-performance lithium-sulfur batteries. Nano Energy, 2016, 22, 278-289.	8.2	382
6	Numerical investigations of flow field designs for vanadium redox flow batteries. Applied Energy, 2013, 105, 47-56.	5.1	264
7	Measurements of Heat Transfer Coefficients From Supercritical Carbon Dioxide Flowing in Horizontal Mini/Micro Channels. Journal of Heat Transfer, 2002, 124, 413-420.	1.2	257
8	A comparative study of all-vanadium and iron-chromium redox flow batteries for large-scale energy storage. Journal of Power Sources, 2015, 300, 438-443.	4.0	251
9	A LATTICE BOLTZMANN MODEL FOR CONVECTION HEAT TRANSFER IN POROUS MEDIA. Numerical Heat Transfer, Part B: Fundamentals, 2005, 47, 157-177.	0.6	239
10	Carbon-neutral sustainable energy technology: Direct ethanol fuel cells. Renewable and Sustainable Energy Reviews, 2015, 50, 1462-1468.	8.2	235
11	Boron phosphide monolayer as a potential anode material for alkali metal-based batteries. Journal of Materials Chemistry A, 2017, 5, 672-679.	5.2	217
12	Mass transport phenomena in direct methanol fuel cells. Progress in Energy and Combustion Science, 2009, 35, 275-292.	15.8	214
13	A high power density and long cycle life vanadium redox flow battery. Energy Storage Materials, 2020, 24, 529-540.	9.5	214
14	The use of polybenzimidazole membranes in vanadium redox flow batteries leading to increased coulombic efficiency and cycling performance. Electrochimica Acta, 2015, 153, 492-498.	2.6	177
15	Copper nanoparticle-deposited graphite felt electrodes for all vanadium redox flow batteries. Applied Energy, 2016, 180, 386-391.	5.1	166
16	First-Principles Study of Nitrogen-, Boron-Doped Graphene and Co-Doped Graphene as the Potential Catalysts in Nonaqueous Li ₂ O Batteries. Journal of Physical Chemistry C, 2016, 120, 6612-6618.	1.5	161
17	A high-performance dual-scale porous electrode for vanadium redox flow batteries. Journal of Power Sources, 2016, 325, 329-336.	4.0	157
18	Critical transport issues for improving the performance of aqueous redox flow batteries. Journal of Power Sources, 2017, 339, 1-12.	4.0	154

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19	Ab initio prediction of a silicene and graphene heterostructure as an anode material for Li- and Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16377-16382.	5.2	149
20	A high-performance carbon nanoparticle-decorated graphite felt electrode for vanadium redox flow batteries. <i>Applied Energy</i> , 2016, 176, 74-79.	5.1	145
21	A high-performance flow-field structured iron-chromium redox flow battery. <i>Journal of Power Sources</i> , 2016, 324, 738-744.	4.0	145
22	A nano-structured RuO ₂ /NiO cathode enables the operation of non-aqueous lithium-air batteries in ambient air. <i>Energy and Environmental Science</i> , 2016, 9, 1783-1793.	15.6	142
23	Highly catalytic and stabilized titanium nitride nanowire array-decorated graphite felt electrodes for all vanadium redox flow batteries. <i>Journal of Power Sources</i> , 2017, 341, 318-326.	4.0	134
24	Fundamental models for flow batteries. <i>Progress in Energy and Combustion Science</i> , 2015, 49, 40-58.	15.8	133
25	A high-rate and long cycle life solid-state lithium-air battery. <i>Energy and Environmental Science</i> , 2015, 8, 3745-3754.	15.6	129
26	Alkaline direct oxidation fuel cell with non-platinum catalysts capable of converting glucose to electricity at high power output. <i>Journal of Power Sources</i> , 2011, 196, 186-190.	4.0	128
27	Borophene and defective borophene as potential anchoring materials for lithium-sulfur batteries: a first-principles study. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2107-2114.	5.2	127
28	Performance of a vanadium redox flow battery with and without flow fields. <i>Electrochimica Acta</i> , 2014, 142, 61-67.	2.6	125
29	A vanadium redox flow battery model incorporating the effect of ion concentrations on ion mobility. <i>Applied Energy</i> , 2015, 158, 157-166.	5.1	118
30	Preparation of silica nanocomposite anion-exchange membranes with low vanadium-ion crossover for vanadium redox flow batteries. <i>Electrochimica Acta</i> , 2013, 105, 584-592.	2.6	113
31	A novel solid-state Li ₂ O battery with an integrated electrolyte and cathode structure. <i>Energy and Environmental Science</i> , 2015, 8, 2782-2790.	15.6	111
32	A highly permeable and enhanced surface area carbon-cloth electrode for vanadium redox flow batteries. <i>Journal of Power Sources</i> , 2016, 329, 247-254.	4.0	111
33	High-performance zinc bromine flow battery via improved design of electrolyte and electrode. <i>Journal of Power Sources</i> , 2017, 355, 62-68.	4.0	111
34	In-situ investigation of hydrogen evolution behavior in vanadium redox flow batteries. <i>Applied Energy</i> , 2017, 190, 1112-1118.	5.1	102
35	High performance of a carbon supported ternary PdIrNi catalyst for ethanol electro-oxidation in anion-exchange membrane direct ethanol fuel cells. <i>Energy and Environmental Science</i> , 2011, 4, 1428.	15.6	101
36	Anion exchange membranes for aqueous acid-based redox flow batteries: Current status and challenges. <i>Applied Energy</i> , 2019, 233-234, 622-643.	5.1	101

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37	Improved electrolyte for zinc-bromine flow batteries. <i>Journal of Power Sources</i> , 2018, 384, 232-239.	4.0	100
38	Rational design of spontaneous reactions for protecting porous lithium electrodes in lithium-sulfur batteries. <i>Nature Communications</i> , 2019, 10, 3249.	5.8	99
39	Highly efficient and ultra-stable boron-doped graphite felt electrodes for vanadium redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13244-13253.	5.2	97
40	Performance enhancement of iron-chromium redox flow batteries by employing interdigitated flow fields. <i>Journal of Power Sources</i> , 2016, 327, 258-264.	4.0	93
41	Density Functional Theory Studies of the Structure Sensitivity of Ethanol Oxidation on Palladium Surfaces. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10489-10497.	1.5	92
42	Highly stable pyridinium-functionalized cross-linked anion exchange membranes for all vanadium redox flow batteries. <i>Journal of Power Sources</i> , 2016, 331, 452-461.	4.0	92
43	Anion-exchange membrane direct ethanol fuel cells: Status and perspective. <i>Frontiers of Energy and Power Engineering in China</i> , 2010, 4, 443-458.	0.4	89
44	Modeling of lithium-sulfur batteries incorporating the effect of Li ₂ S precipitation. <i>Journal of Power Sources</i> , 2016, 336, 115-125.	4.0	87
45	Highly catalytic hollow Ti ₃ C ₂ T _x MXene spheres decorated graphite felt electrode for vanadium redox flow batteries. <i>Energy Storage Materials</i> , 2020, 25, 885-892.	9.5	87
46	An alkaline direct ethanol fuel cell with a cation exchange membrane. <i>Energy and Environmental Science</i> , 2011, 4, 2213.	15.6	85
47	The effects of design parameters on the charge-discharge performance of iron-chromium redox flow batteries. <i>Applied Energy</i> , 2016, 182, 204-209.	5.1	83
48	Towards a uniform distribution of zinc in the negative electrode for zinc bromine flow batteries. <i>Applied Energy</i> , 2018, 213, 366-374.	5.1	83
49	An efficient Li ₂ S-based lithium-ion sulfur battery realized by a bifunctional electrolyte additive. <i>Nano Energy</i> , 2017, 40, 240-247.	8.2	81
50	Physicochemical properties of alkaline doped polybenzimidazole membranes for anion exchange membrane fuel cells. <i>Journal of Membrane Science</i> , 2015, 493, 340-348.	4.1	77
51	Highly active, bi-functional and metal-free B ₄ C-nanoparticle-modified graphite felt electrodes for vanadium redox flow batteries. <i>Journal of Power Sources</i> , 2017, 365, 34-42.	4.0	75
52	In-situ Fabrication of a Freestanding Acrylate-based Hierarchical Electrolyte for Lithium-sulfur Batteries. <i>Electrochimica Acta</i> , 2016, 213, 871-878.	2.6	74
53	A high-performance supportless silver nanowire catalyst for anion exchange membrane fuel cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1410-1416.	5.2	73
54	A uniformly distributed bismuth nanoparticle-modified carbon cloth electrode for vanadium redox flow batteries. <i>Applied Energy</i> , 2019, 240, 226-235.	5.1	73

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55	New DMFC Anode Structure Consisting of Platinum Nanowires Deposited into a Nafion Membrane. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8128-8134.	1.5	71
56	Modeling and Simulation of Flow Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2000758.	10.2	66
57	Achieving multiplexed functionality in a hierarchical MXene-based sulfur host for high-rate, high-loading lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2020, 33, 147-157.	9.5	64
58	Charge carriers in alkaline direct oxidation fuel cells. <i>Energy and Environmental Science</i> , 2012, 5, 7536.	15.6	63
59	Ab initio prediction and characterization of phosphorene-like SiS and SiSe as anode materials for sodium-ion batteries. <i>Science Bulletin</i> , 2017, 62, 572-578.	4.3	61
60	Oscillatory Heat Transfer in a Pipe Subjected to a Laminar Reciprocating Flow. <i>Journal of Heat Transfer</i> , 1996, 118, 592-597.	1.2	60
61	Mesoporous carbon with uniquely combined electrochemical and mass transport characteristics for polymer electrolyte membrane fuel cells. <i>RSC Advances</i> , 2013, 3, 16-24.	1.7	60
62	A highly-safe lithium-ion sulfur polymer battery with SnO ₂ anode and acrylate-based gel polymer electrolyte. <i>Nano Energy</i> , 2016, 28, 97-105.	8.2	60
63	A high-performance sandwiched-porous polybenzimidazole membrane with enhanced alkaline retention for anion exchange membrane fuel cells. <i>Energy and Environmental Science</i> , 2015, 8, 2768-2774.	15.6	59
64	A room-temperature activated graphite felt as the cost-effective, highly active and stable electrode for vanadium redox flow batteries. <i>Applied Energy</i> , 2019, 233-234, 544-553.	5.1	59
65	Determination of the mass-transport properties of vanadium ions through the porous electrodes of vanadium redox flow batteries. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 10841.	1.3	54
66	A gradient porous cathode for non-aqueous lithium-air batteries leading to a high capacity. <i>Electrochemistry Communications</i> , 2014, 46, 111-114.	2.3	54
67	Formation of electrodes by self-assembling porous carbon fibers into bundles for vanadium redox flow batteries. <i>Journal of Power Sources</i> , 2018, 405, 106-113.	4.0	54
68	Carbonized tubular polypyrrole with a high activity for the Br ₂ /Br ⁻ redox reaction in zinc-bromine flow batteries. <i>Electrochimica Acta</i> , 2018, 284, 569-576.	2.6	54
69	A highly active biomass-derived electrode for all vanadium redox flow batteries. <i>Electrochimica Acta</i> , 2017, 248, 197-205.	2.6	53
70	A Lattice BGK Scheme with General Propagation. <i>Journal of Scientific Computing</i> , 2001, 16, 569-585.	1.1	52
71	A transient electrochemical model incorporating the Donnan effect for all-vanadium redox flow batteries. <i>Journal of Power Sources</i> , 2015, 299, 202-211.	4.0	52
72	Nonequilibrium scheme for computing the flux of the convection-diffusion equation in the framework of the lattice Boltzmann method. <i>Physical Review E</i> , 2014, 90, 013305.	0.8	50

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73	Unraveling the Positive Roles of Point Defects on Carbon Surfaces in Nonaqueous Lithium-Oxygen Batteries. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18394-18402.	1.5	50
74	Graphene sheets fabricated from disposable paper cups as a catalyst support material for fuel cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 183-187.	5.2	49
75	A gradient porous electrode with balanced transport properties and active surface areas for vanadium redox flow batteries. <i>Journal of Power Sources</i> , 2019, 440, 227159.	4.0	49
76	Prediction of the theoretical capacity of non-aqueous lithium-air batteries. <i>Applied Energy</i> , 2013, 109, 275-282.	5.1	48
77	Two-dimensional SiS as a potential anode material for lithium-based batteries: A first-principles study. <i>Journal of Power Sources</i> , 2016, 331, 391-399.	4.0	46
78	Polyvinylpyrrolidone-based semi-interpenetrating polymer networks as highly selective and chemically stable membranes for all vanadium redox flow batteries. <i>Journal of Power Sources</i> , 2016, 327, 374-383.	4.0	46
79	A self-cleaning Li-S battery enabled by a bifunctional redox mediator. <i>Journal of Power Sources</i> , 2017, 361, 203-210.	4.0	46
80	An aqueous manganese-copper battery for large-scale energy storage applications. <i>Journal of Power Sources</i> , 2019, 423, 203-210.	4.0	46
81	Remedies of capacity fading in room-temperature sodium-sulfur batteries. <i>Journal of Power Sources</i> , 2018, 396, 304-313.	4.0	45
82	Towards uniform distributions of reactants via the aligned electrode design for vanadium redox flow batteries. <i>Applied Energy</i> , 2020, 259, 114198.	5.1	45
83	A low-cost iron-cadmium redox flow battery for large-scale energy storage. <i>Journal of Power Sources</i> , 2016, 330, 55-60.	4.0	44
84	A trifunctional electrolyte for high-performance zinc-iodine flow batteries. <i>Journal of Power Sources</i> , 2021, 484, 229238.	4.0	44
85	A hydrogen-ferric ion rebalance cell operating at low hydrogen concentrations for capacity restoration of iron-chromium redox flow batteries. <i>Journal of Power Sources</i> , 2017, 352, 77-82.	4.0	42
86	A bi-porous graphite felt electrode with enhanced surface area and catalytic activity for vanadium redox flow batteries. <i>Applied Energy</i> , 2019, 233-234, 105-113.	5.1	41
87	A modified aggregation based model for the accurate prediction of particle distribution and viscosity in magnetic nanofluids. <i>Powder Technology</i> , 2015, 283, 561-569.	2.1	40
88	A RuO ₂ nanoparticle-decorated buckypaper cathode for non-aqueous lithium-oxygen batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19042-19049.	5.2	40
89	An aqueous alkaline battery consisting of inexpensive all-iron redox chemistries for large-scale energy storage. <i>Applied Energy</i> , 2018, 215, 98-105.	5.1	40
90	Mesoporous carbon derived from pomelo peel as a high-performance electrode material for zinc-bromine flow batteries. <i>Journal of Power Sources</i> , 2019, 442, 227255.	4.0	40

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91	Modeling of lithium-oxygen batteries with the discharge product treated as a discontinuous deposit layer. <i>Journal of Power Sources</i> , 2015, 273, 440-447.	4.0	39
92	A low-cost, high-performance zinc-hydrogen peroxide fuel cell. <i>Journal of Power Sources</i> , 2015, 275, 831-834.	4.0	38
93	Discharge product morphology versus operating temperature in non-aqueous lithium-air batteries. <i>Journal of Power Sources</i> , 2015, 278, 133-140.	4.0	36
94	Cost-effective carbon supported Fe ₂ O ₃ nanoparticles as an efficient catalyst for non-aqueous lithium-oxygen batteries. <i>Electrochimica Acta</i> , 2016, 211, 545-551.	2.6	35
95	Aligned microfibers interweaved with highly porous carbon nanofibers: A Novel electrode for high-power vanadium redox flow batteries. <i>Energy Storage Materials</i> , 2021, 43, 30-41.	9.5	35
96	A micro-porous current collector enabling passive direct methanol fuel cells to operate with highly concentrated fuel. <i>Electrochimica Acta</i> , 2014, 139, 7-12.	2.6	34
97	Modeling of anisotropic flow and thermodynamic properties of magnetic nanofluids induced by external magnetic field with varied imposing directions. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	34
98	Sodium-Sulfur Batteries Enabled by a Protected Inorganic/Organic Hybrid Solid Electrolyte. <i>ACS Energy Letters</i> , 2021, 6, 345-353.	8.8	34
99	Enhanced cycle life of vanadium redox flow battery via a capacity and energy efficiency recovery method. <i>Journal of Power Sources</i> , 2020, 478, 228725.	4.0	33
100	A high-performance ethanol-hydrogen peroxide fuel cell. <i>RSC Advances</i> , 2014, 4, 65031-65034.	1.7	32
101	Balancing the specific surface area and mass diffusion property of electrospun carbon fibers to enhance the cell performance of vanadium redox flow battery. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 12565-12576.	3.8	31
102	Chloride ions as an electrolyte additive for high performance vanadium redox flow batteries. <i>Applied Energy</i> , 2021, 289, 116690.	5.1	30
103	A novel iron-lead redox flow battery for large-scale energy storage. <i>Journal of Power Sources</i> , 2017, 346, 97-102.	4.0	29
104	A highly-efficient composite polybenzimidazole membrane for vanadium redox flow battery. <i>Journal of Power Sources</i> , 2021, 489, 229502.	4.0	29
105	Aligned hierarchical electrodes for high-performance aqueous redox flow battery. <i>Applied Energy</i> , 2020, 271, 115235.	5.1	28
106	A Self-Healable Sulfide/Polymer Composite Electrolyte for Long-Life, Low-Lithium-Excess Lithium-Metal Batteries. <i>Advanced Functional Materials</i> , 2022, 32, 2106680.	7.8	28
107	Facile preparation of high-performance MnO ₂ /KB air cathode for Zn-air batteries. <i>Electrochimica Acta</i> , 2016, 222, 1438-1444.	2.6	26
108	Flow Batteries: Modeling and Simulation of Flow Batteries (<i>Adv. Energy Mater.</i> 31/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070133.	10.2	26

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109	Investigation and modeling of CPC based tubular photocatalytic reactor for scaled-up hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 16019-16031.	3.8	25
110	A Lithium/Polysulfide Battery with Dual-Working Mode Enabled by Liquid Fuel and Acrylate-Based Gel Polymer Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2526-2534.	4.0	24
111	Machine learning-assisted design of flow fields for redox flow batteries. <i>Energy and Environmental Science</i> , 2022, 15, 2874-2888.	15.6	23
112	High-performance nitrogen-doped titania nanowire decorated carbon cloth electrode for lithium-polysulfide batteries. <i>Electrochimica Acta</i> , 2017, 242, 137-145.	2.6	22
113	Modeling of an aprotic Li-O ₂ battery incorporating multiple-step reactions. <i>Applied Energy</i> , 2017, 187, 706-716.	5.1	22
114	Computational insights into the effect of carbon structures at the atomic level for non-aqueous sodium-oxygen batteries. <i>Journal of Power Sources</i> , 2016, 325, 91-97.	4.0	21
115	Mn ₃ O ₄ Nanoparticle-Decorated Carbon Cloths with Superior Catalytic Activity for the V ^{II} /V ^{III} Redox Reaction in Vanadium Redox Flow Batteries. <i>Energy Technology</i> , 2018, 6, 1228-1236.	1.8	20
116	Mathematical modeling of the charging process of Li-S batteries by incorporating the size-dependent Li ₂ S dissolution. <i>Electrochimica Acta</i> , 2019, 296, 954-963.	2.6	20
117	Artificial Bifunctional Protective layer Composed of Carbon Nitride Nanosheets for High Performance Lithium-Sulfur Batteries. <i>Journal of Energy Storage</i> , 2019, 26, 101006.	3.9	19
118	A safe and efficient lithiated silicon-sulfur battery enabled by a bi-functional composite interlayer. <i>Energy Storage Materials</i> , 2020, 25, 217-223.	9.5	19
119	A stabilized high-energy Li-polyiodide semi-liquid battery with a dually-protected Li anode. <i>Journal of Power Sources</i> , 2017, 347, 136-144.	4.0	17
120	A Nafion/polybenzimidazole composite membrane with consecutive proton-conducting pathways for aqueous redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 13021-13030.	5.2	17
121	Simulation of fluid flows in the nanometer: kinetic approach and molecular dynamic simulation. <i>International Journal of Computational Fluid Dynamics</i> , 2006, 20, 361-367.	0.5	15
122	An aprotic lithium/polyiodide semi-liquid battery with an ionic shield. <i>Journal of Power Sources</i> , 2017, 342, 9-16.	4.0	15
123	Investigation of an aqueous rechargeable battery consisting of manganese tin redox chemistries for energy storage. <i>Journal of Power Sources</i> , 2019, 437, 226918.	4.0	14
124	Deciphering the exceptional kinetics of hierarchical nitrogen-doped carbon electrodes for high-performance vanadium redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5605-5613.	5.2	14
125	A detachable sandwiched polybenzimidazole-based membrane for high-performance aqueous redox flow batteries. <i>Journal of Power Sources</i> , 2022, 526, 231139.	4.0	14
126	Anode-Free Lithium-Sulfur Cells Enabled by Rationally Tuning Lithium Polysulfide Molecules. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	13

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127	On-Site Fluorination for Enhancing Utilization of Lithium in a Lithium–Sulfur Full Battery. ACS Applied Materials & Interfaces, 2020, 12, 53860-53868.	4.0	12
128	Asymmetric Porous Polybenzimidazole Membranes with High Conductivity and Selectivity for Vanadium Redox Flow Batteries. Energy Technology, 2020, 8, 2000592.	1.8	12
129	Elasticity-oriented design of solid-state batteries: challenges and perspectives. Journal of Materials Chemistry A, 2021, 9, 13804-13821.	5.2	12
130	Variations of Buoyancy-Induced Mass Flux From Single-Phase to Two-Phase Flow in a Vertical Porous Tube With Constant Heat Flux. Journal of Heat Transfer, 1999, 121, 646-652.	1.2	10
131	Paramecium–Like Iron Oxide Nanotubes as a Cost–Efficient Catalyst for Nonaqueous Lithium–Oxygen Batteries. Energy Technology, 2018, 6, 263-272.	1.8	10
132	Operating High–Energy Lithium–Metal Pouch Cells with Reduced Stack Pressure Through a Rational Lithium–Host Design. Advanced Energy Materials, 2022, 12, .	10.2	10
133	A Numerical Study of Laminar Reciprocating Flow in a Pipe of Finite Length. Flow, Turbulence and Combustion, 1997, 59, 11-25.	0.2	9
134	Recent progress in understanding of coupled heat/mass transport and electrochemical reactions in fuel cells. International Journal of Energy Research, 2011, 35, 15-23.	2.2	9
135	An <i>in situ</i> encapsulation approach for polysulfide retention in lithium–sulfur batteries. Journal of Materials Chemistry A, 2020, 8, 6902-6907.	5.2	9
136	A high-performance lithiated silicon–sulfur battery enabled by fluorinated ether electrolytes. Journal of Materials Chemistry A, 2021, 9, 25426-25434.	5.2	7
137	Manipulation of Electrode Composition for Effective Water Management in Fuel Cells Fed with an Electrically Rechargeable Liquid Fuel. ACS Applied Materials & Interfaces, 2022, 14, 18600-18606.	4.0	5
138	Anode–Free Lithium–Sulfur Cells Enabled by Rationally Tuning Lithium Polysulfide Molecules. Angewandte Chemie, 2022, 134, .	1.6	5
139	A Li ₂ S–Based Sacrificial Layer for Stable Operation of Lithium–Sulfur Batteries. Energy Technology, 2018, 6, 2210-2219.	1.8	4
140	Study on particle and photonic flux distributions in a magnetically stirred photocatalytic reactor. Journal of Photonics for Energy, 2015, 5, 052097.	0.8	3