

# Zhangxing He

## List of Publications by Year in descending order

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110  
papers

4,525  
citations

70961

41  
h-index

118652

62  
g-index

110  
all docs

110  
docs citations

110  
times ranked

2605  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrode materials for vanadium redox flow batteries: Intrinsic treatment and introducing catalyst. <i>Chemical Engineering Journal</i> , 2022, 427, 131680.	6.6	86
2	Low-cost marine biomass carbon as a high-performance electrocatalyst for vanadium redox flow battery. <i>International Journal of Green Energy</i> , 2022, 19, 1357-1366.	2.1	4
3	Recent advances in LiV3O8 as anode material for aqueous lithium-ion batteries: Syntheses, modifications, and perspectives. <i>Journal of Alloys and Compounds</i> , 2022, 897, 163065.	2.8	13
4	Interfacial Engineering Strategy for High-Performance Zn Metal Anodes. <i>Nano-Micro Letters</i> , 2022, 14, 6.	14.4	177
5	A limiting current hydrogen sensor based on BaHf0.8Fe0.2O3- $\delta$ dense diffusion barrier and BaHf0.7Sn0.1In0.2O3- $\delta$ protonic conductor. <i>Ceramics International</i> , 2022, , .	2.3	7
6	Tuning the crystal structure and oxygen defect by doping lithium vanadate. <i>Ceramics International</i> , 2022, 48, 24706-24715.	2.3	1
7	A mixed-potential type NH3 sensors based on spinel Zn2SnO4 sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132154.	4.0	9
8	A stable fluoride-based interphase for a long cycle Zn metal anode in an aqueous zinc ion battery. <i>Journal of Materials Chemistry A</i> , 2022, 10, 14399-14410.	5.2	79
9	Recent advances in carbon-based electrocatalysts for vanadium redox flow battery: Mechanisms, properties, and perspectives. <i>Composites Part B: Engineering</i> , 2022, 242, 110094.	5.9	53
10	Recent advances and perspectives on vanadium- and manganese-based cathode materials for aqueous zinc ion batteries. <i>Journal of Energy Chemistry</i> , 2021, 59, 134-159.	7.1	142
11	Properties of Hf doped BaZr0.8Y0.2O3- $\delta$ protonic conductor. <i>Ceramics International</i> , 2021, 47, 9273-9286.	2.3	11
12	Recent advances in metals and metal oxides as catalysts for vanadium redox flow battery: Properties, structures, and perspectives. <i>Journal of Materials Science and Technology</i> , 2021, 75, 96-109.	5.6	95
13	Synergistic Catalysis of SnO2-CNTs Composite for VO2+/VO2+ and V2+/V3+ Redox Reactions. <i>Frontiers in Chemistry</i> , 2021, 9, 671575.	1.8	8
14	Recent advances of NASICON-Na3V2(PO4)3 as cathode for sodium-ion batteries: Synthesis, modifications, and perspectives. <i>Journal of Alloys and Compounds</i> , 2021, 867, 159060.	2.8	60
15	Enhanced Catalysis of P-doped SnO2 for the V2+/V3+ Redox Reaction in Vanadium Redox Flow Battery. <i>Frontiers in Chemistry</i> , 2021, 9, 688634.	1.8	0
16	Zirconium boride as a novel negative catalyst for vanadium redox flow battery. <i>Ceramics International</i> , 2021, 47, 20276-20285.	2.3	18
17	Promoting vanadium redox flow battery performance by ultra-uniform ZrO2@C from metal-organic framework. <i>Chemical Engineering Journal</i> , 2021, 415, 129014.	6.6	105
18	N-doped biomass carbon materials as superior catalyst to improve electrochemical performance of vanadium redox flow battery. <i>Ionics</i> , 2021, 27, 4771-4781.	1.2	15

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19	Synergistic Catalysis of SnO <sub>2</sub> /Reduced Graphene Oxide for VO <sub>2</sub> <sup>+</sup> /VO <sub>2</sub> <sup>+</sup> and V <sub>2</sub> <sup>+</sup> /V <sub>3</sub> <sup>+</sup> Redox Reactions. <i>Molecules</i> , 2021, 26, 5085.	1.7	7
20	Nanostructured N-doped carbon materials derived from expandable biomass with superior electrocatalytic performance towards V <sub>2</sub> <sup>+</sup> /V <sub>3</sub> <sup>+</sup> redox reaction for vanadium redox flow battery. <i>Journal of Energy Chemistry</i> , 2021, 59, 706-714.	7.1	72
21	A hafnium oxide-coated dendrite-free zinc anode for rechargeable aqueous zinc-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 467-475.	5.0	165
22	Electrospinning technology to prepare in-situ Cr <sub>2</sub> O <sub>3</sub> modified carbon nanofibers as dual-function electrode material for vanadium redox battery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127287.	2.3	5
23	Structural design and interfacial characteristics endow NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> coated zinc anode with high capacity and better cycling stability. <i>Surface and Coatings Technology</i> , 2021, 425, 127699.	2.2	7
24	Chlorine doping enables NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C excellent lithium ion storage performance in aqueous lithium ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114941.	1.9	6
25	High performance solid electrolyte-based NO <sub>2</sub> sensor based on Co <sub>3</sub> V <sub>2</sub> O <sub>8</sub> derived from metal-organic framework. <i>Sensors and Actuators B: Chemical</i> , 2020, 302, 127173.	4.0	22
26	Superior lithium storage performance of hierarchical N-doped carbon encapsulated NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> microflower. <i>Ceramics International</i> , 2020, 46, 1954-1961.	2.3	22
27	Novel 2D porous carbon nanosheet derived from biomass: Ultrahigh porosity and excellent performances toward V <sub>2</sub> <sup>+</sup> /V <sub>3</sub> <sup>+</sup> redox reaction for vanadium redox flow battery. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 3959-3970.	3.8	50
28	Encapsulation of N-doped carbon layer via in situ dopamine polymerization endows nanostructured NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> with superior lithium storage performance. <i>Ceramics International</i> , 2020, 46, 4402-4409.	2.3	16
29	Endowing electrospun carbon fiber with excellent electrocatalytic properties towards VO <sub>2</sub> <sup>+</sup> /VO <sub>2</sub> <sup>+</sup> redox reaction for vanadium redox flow battery by in situ iridium decoration. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124137.	2.3	19
30	Carbon paper decorated with tin dioxide particle via in situ electrodeposition as bifunctional electrode for vanadium redox flow battery. <i>International Journal of Energy Research</i> , 2020, 44, 2100-2109.	2.2	14
31	Recent advances in electrospun carbon fiber electrode for vanadium redox flow battery: Properties, structures, and perspectives. <i>Carbon</i> , 2020, 170, 527-542.	5.4	60
32	Anode Materials for Aqueous Zinc Ion Batteries: Mechanisms, Properties, and Perspectives. <i>ACS Nano</i> , 2020, 14, 16321-16347.	7.3	340
33	Meliorating the sodium storage properties of NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C by rational structural design. <i>Ionics</i> , 2020, 26, 2891-2898.	1.2	1
34	Promoting the performances of NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> electrode for sodium ion battery by reasonable crystal design and surface modification. <i>Ceramics International</i> , 2020, 46, 19452-19459.	2.3	13
35	Ultra-Tiny Sb-Doped SnO <sub>2</sub> Nanoparticles as a Superior Catalyst for Vanadium Redox Reactions. <i>Journal of the Electrochemical Society</i> , 2020, 167, 100522.	1.3	7
36	Boosting the performance of positive electrolyte for VRFB by employing zwitterion molecule containing sulfonic and pyridine groups as the additive. <i>Ionics</i> , 2020, 26, 3147-3159.	1.2	10

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37	Stearic Acid/Copper Foam as Composite Phase Change Materials for Thermal Energy Storage. <i>Journal of Thermal Science</i> , 2020, 29, 492-502.	0.9	22
38	Impedancemetric NO <sub>2</sub> Sensor Based on CoCrFeO <sub>4</sub> Sensing Electrode and La <sub>9.4</sub> Ba <sub>0.6</sub> Si <sub>5.9</sub> W <sub>0.1</sub> O <sub>26.8</sub> Electrolyte with Phase Angle as Response Signals. <i>Journal of the Electrochemical Society</i> , 2020, 167, 047516.	1.3	0
39	Impedancemetric-type NO <sub>2</sub> sensor based on non-stoichiometric perovskite type sensing electrode using multiple response signals. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128551.	4.0	14
40	Raising Lithium Storage Performances of NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> by Nitrogen and Sulfur Dual-Doped Carbon Layer. <i>Journal of the Electrochemical Society</i> , 2020, 167, 020550.	1.3	58
41	Synthesis and electrochemical performance of Li <sub>1+x</sub> Ti <sub>2</sub> ~ <sup>x</sup> Fex(PO <sub>4</sub> ) <sub>3</sub> /C anode for aqueous lithium ion battery. <i>Advanced Powder Technology</i> , 2020, 31, 1359-1364.	2.0	47
42	Application of porous biomass carbon materials in vanadium redox flow battery. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 434-443.	5.0	56
43	Crystal doping of K ion on Na site raises the electrochemical performance of NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C anode for sodium-ion battery. <i>Ionics</i> , 2020, 26, 3387-3394.	1.2	9
44	One-step activation of high-graphitization N-doped porous biomass carbon as advanced catalyst for vanadium redox flow battery. <i>Journal of Colloid and Interface Science</i> , 2020, 572, 216-226.	5.0	52
45	Thiourea-Grafted Graphite Felts as Positive Electrode for Vanadium Redox Flow Battery. <i>Frontiers in Chemistry</i> , 2020, 8, 626490.	1.8	5
46	Sb-doped SnO <sub>2</sub> nanoparticle-modified carbon paper as a superior electrode for a vanadium redox flow battery. <i>Applied Surface Science</i> , 2020, 526, 146685.	3.1	33
47	Mixed potential NH <sub>3</sub> sensor based on La <sub>9.95</sub> K <sub>0.05</sub> Si <sub>5</sub> Al <sub>1</sub> O <sub>26.45</sub> electrolyte and Ag doped BiVO <sub>4</sub> sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2020, 316, 128206.	4.0	21
48	K doping on Li site enables LiTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C excellent lithium storage performance. <i>Solid State Ionics</i> , 2019, 341, 115036.	1.3	7
49	In situ exsolution of PdO nanoparticles from non-stoichiometric LaFePd <sub>0.05</sub> O <sub>3+δ</sub> electrode for impedancemetric NO <sub>2</sub> sensor. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126827.	4.0	26
50	Enhancing NH <sub>3</sub> sensing performance of mixed potential type sensors by chemical exsolution of Ag nanoparticle on AgNbO <sub>3</sub> sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126854.	4.0	28
51	A Comparison of Mineralogical and Thermal Storage Characteristics for Two Types of Stone Coal. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 594.	0.8	6
52	Electrocatalytic activity of MnO <sub>2</sub> nanosheet array-decorated carbon paper as superior negative electrode for vanadium redox flow batteries. <i>Electrochimica Acta</i> , 2019, 322, 134754.	2.6	58
53	A novel mixed-potential type NH <sub>3</sub> sensor based on Ag nanoparticles decorated AgNbO <sub>3</sub> sensing electrode synthesized by demixing method. <i>Sensors and Actuators B: Chemical</i> , 2019, 301, 127146.	4.0	17
54	Endowing LiTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C with excellent electrochemical performances through rational crystal doping. <i>Ceramics International</i> , 2019, 45, 23406-23410.	2.3	4

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55	Mixed-potential type NH <sub>3</sub> sensor based on CoWO <sub>4</sub> -PdO sensing electrode prepared by self-demixing. <i>Electrochimica Acta</i> , 2019, 321, 134668.	2.6	17
56	Emerging mineral-coupled composite phase change materials for thermal energy storage. <i>Energy Conversion and Management</i> , 2019, 183, 633-644.	4.4	116
57	Mixed-potential type NH <sub>3</sub> sensor based on La <sub>10</sub> Si <sub>5.5</sub> Al <sub>0.5</sub> O <sub>27</sub> electrolyte and CuV <sub>2</sub> O <sub>6</sub> sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2019, 294, 206-215.	4.0	22
58	Enhanced sodium storage performance of NASICON-structured NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C decorated with graphene. <i>Solid State Ionics</i> , 2019, 336, 139-145.	1.3	3
59	Electrocatalytic performance of TiO <sub>2</sub> with different phase state towards V <sup>2+</sup> /V <sup>3+</sup> reaction for vanadium redox flow battery. <i>International Journal of Energy Research</i> , 2019, 43, 4473-4482.	2.2	17
60	ZrO <sub>2</sub> nanoparticle embedded carbon nanofibers by electrospinning technique as advanced negative electrode materials for vanadium redox flow battery. <i>Electrochimica Acta</i> , 2019, 309, 166-176.	2.6	96
61	Preparation of Carbon Nanosheet by Molten Salt Route and Its Application in Catalyzing VO <sup>2+</sup> /VO <sup>2+</sup> Redox Reaction. <i>Journal of the Electrochemical Society</i> , 2019, 166, A953-A959.	1.3	30
62	Synthesis and performance of a graphene decorated NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C anode for aqueous lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 791, 176-183.	2.8	63
63	3D structure fungi-derived carbon stabilized stearic acid as a composite phase change material for thermal energy storage. <i>Renewable Energy</i> , 2019, 140, 862-873.	4.3	87
64	Biomass-Derived Porous Graphitic Carbon with Excellent Electrocatalytic Performances for Vanadium Redox Reactions. <i>Journal of the Electrochemical Society</i> , 2019, 166, A3918-A3926.	1.3	18
65	Electrospun nitrogen-doped carbon nanofiber as negative electrode for vanadium redox flow battery. <i>Applied Surface Science</i> , 2019, 469, 423-430.	3.1	88
66	Enhanced lithium storage performance of nanostructured NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> decorated by nitrogen-doped carbon. <i>Electrochimica Acta</i> , 2019, 294, 226-232.	2.6	66
67	KHCO <sub>3</sub> activated carbon microsphere as excellent electrocatalyst for VO <sub>2</sub> <sup>+</sup> /VO <sub>2</sub> <sup>+</sup> redox couple for vanadium redox flow battery. <i>Journal of Energy Chemistry</i> , 2019, 29, 103-110.	7.1	43
68	Sulfonated Carbon Nanotubes as Superior Catalysts towards V <sup>3+</sup> /V <sup>2+</sup> Redox Reaction for Vanadium Redox Flow Battery. <i>Journal of the Electrochemical Society</i> , 2018, 165, A932-A938.	1.3	18
69	Boosting the electrocatalytic performance of carbon nanotubes toward V(V)/V(IV) reaction by sulfonation treatment. <i>International Journal of Energy Research</i> , 2018, 42, 1625-1634.	2.2	13
70	Enhanced sensing performance of mixed potential ammonia gas sensor based on Bi <sub>0.95</sub> Ni <sub>0.05</sub> VO <sub>3.975</sub> by silver. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 668-676.	4.0	26
71	Electrocatalytic activity of cobalt phosphide-modified graphite felt toward VO <sub>2</sub> <sup>+</sup> /VO <sub>2</sub> <sup>+</sup> redox reaction. <i>Applied Surface Science</i> , 2018, 436, 1030-1037.	3.1	17
72	Improvement of Al <sup>3+</sup> ion conductivity by F doping of (Al <sub>0.2</sub> Zr <sub>0.8</sub> ) <sub>4</sub> /3.8NbP <sub>3</sub> O <sub>12</sub> solid electrolyte for mixed potential NH <sub>3</sub> sensors. <i>Ceramics International</i> , 2018, 44, 8983-8991.	2.3	8

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73	Impedancemetric NO <sub>2</sub> sensor based on Pd doped perovskite oxide sensing electrode conjunction with phase angle response. <i>Electrochimica Acta</i> , 2018, 265, 411-418.	2.6	20
74	N,P co-doped carbon microsphere as superior electrocatalyst for VO <sub>2</sub> <sup>+</sup> /VO <sub>2</sub> <sup>+</sup> redox reaction. <i>Electrochimica Acta</i> , 2018, 259, 122-130.	2.6	72
75	Boosting the performance of LiTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C anode for aqueous lithium ion battery by Sn doping on Ti sites. <i>Journal of Alloys and Compounds</i> , 2018, 731, 32-38.	2.8	66
76	Carbon layer-exfoliated, wettability-enhanced, SO <sub>3</sub> H-functionalized carbon paper: A superior positive electrode for vanadium redox flow battery. <i>Carbon</i> , 2018, 127, 297-304.	5.4	100
77	Impact of Fe doping on performance of NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C anode for aqueous lithium ion battery. <i>Solid State Ionics</i> , 2018, 327, 123-128.	1.3	26
78	Improved lithium storage performance of NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C composite connected by carbon nanotubes. <i>Solid State Ionics</i> , 2018, 325, 189-195.	1.3	12
79	N-doped carbon coated LiTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as superior anode using PANi as carbon and nitrogen bi-sources for aqueous lithium ion battery. <i>Electrochimica Acta</i> , 2018, 279, 279-288.	2.6	72
80	Phosphorus Doped Multi-walled Carbon Nanotubes: An Excellent Electrocatalyst for the VO <sub>2</sub> <sup>+</sup> /VO <sub>2</sub> <sup>+</sup> Redox Reaction. <i>ChemElectroChem</i> , 2018, 5, 2464-2474.	1.7	18
81	Effect of Sn doping on the electrochemical performance of NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C composite. <i>Ceramics International</i> , 2018, 44, 15646-15652.	2.3	30
82	Fungi-Derived, Functionalized, and Wettability-Improved Porous Carbon Materials: An Excellent Electrocatalyst toward VO <sub>2</sub> <sup>+</sup> /VO <sub>2</sub> <sup>+</sup> Redox Reaction for Vanadium Redox Flow Battery. <i>Journal of the Electrochemical Society</i> , 2018, 165, A1813-A1821.	1.3	14
83	Enhanced selective performance of mixed potential ammonia gas sensor by Au nanoparticles decorated CeVO <sub>4</sub> sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 219-228.	4.0	56
84	Flexible electrospun carbon nanofiber embedded with TiO <sub>2</sub> as excellent negative electrode for vanadium redox flow battery. <i>Electrochimica Acta</i> , 2018, 281, 601-610.	2.6	115
85	Improving the electrocatalytic performance of carbon nanotubes for VO <sub>2</sub> <sup>+</sup> /VO <sub>2</sub> <sup>+</sup> redox reaction by KOH activation. <i>Applied Surface Science</i> , 2017, 401, 106-113.	3.1	46
86	Enhancement of nitrogen and sulfur co-doping on the electrocatalytic properties of carbon nanotubes for VO <sub>2</sub> <sup>+</sup> /VO <sub>2</sub> <sup>+</sup> redox reaction. <i>RSC Advances</i> , 2017, 7, 13184-13190.	1.7	52
87	HF/H <sub>2</sub> O <sub>2</sub> treated graphite felt as the positive electrode for vanadium redox flow battery. <i>Applied Surface Science</i> , 2017, 423, 111-118.	3.1	60
88	High-temperature NO <sub>2</sub> sensor based on aluminum/indium co-doped lanthanum silicate oxyapatite electrolyte and cobalt-free perovskite oxide sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2017, 250, 629-640.	4.0	13
89	Synthesis and electrochemical properties of Na-doped LiTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @carbon composite as anode for aqueous lithium ion batteries. <i>Ceramics International</i> , 2017, 43, 11481-11487.	2.3	25
90	Graphite felt electrode modified by square wave potential pulse for vanadium redox flow battery. <i>International Journal of Energy Research</i> , 2017, 41, 439-447.	2.2	28

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91	Mixed-potential type NH <sub>3</sub> sensor based on TiO <sub>2</sub> sensing electrode with a phase transformation effect. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 962-970.	4.0	41
92	Advanced LiTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C anode by incorporation of carbon nanotubes for aqueous lithium-ion batteries. <i>Ionics</i> , 2017, 23, 575-583.	1.2	32
93	LiTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @carbon/graphene hybrid as superior anode materials for aqueous lithium ion batteries. <i>Ceramics International</i> , 2017, 43, 99-105.	2.3	24
94	Modified carbon cloth as positive electrode with high electrochemical performance for vanadium redox flow batteries. <i>Journal of Energy Chemistry</i> , 2016, 25, 720-725.	7.1	29
95	Advanced LiTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @N-doped carbon anode for aqueous lithium ion batteries. <i>Electrochimica Acta</i> , 2016, 222, 1491-1500.	2.6	52
96	Mixed potential NH <sub>3</sub> sensor based on Mg-doped lanthanum silicate oxyapatite. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 356-363.	4.0	41
97	Ammonia sensing characteristics of La <sub>10</sub> Si <sub>5</sub> MgO <sub>26</sub> -based sensors using In <sub>2</sub> O <sub>3</sub> sensing electrode with different morphologies and CuO reference electrode. <i>Sensors and Actuators B: Chemical</i> , 2016, 228, 716-724.	4.0	46
98	Effects of nitrogen doping on the electrochemical performance of graphite felts for vanadium redox flow batteries. <i>International Journal of Energy Research</i> , 2015, 39, 709-716.	2.2	70
99	Mn <sub>3</sub> O <sub>4</sub> anchored on carbon nanotubes as an electrode reaction catalyst of V(IV)/V(V) couple for vanadium redox flow batteries. <i>Electrochimica Acta</i> , 2015, 176, 1434-1440.	2.6	76
100	The electrochemical performance improvement of LiMn <sub>2</sub> O <sub>4</sub> /Zn based on zinc foil as the current collector and thiourea as an electrolyte additive. <i>Journal of Power Sources</i> , 2015, 300, 453-459.	4.0	113
101	Effects of pyridine carboxylic acid on the positive electrolyte for vanadium redox flow battery. <i>Ionics</i> , 2015, 21, 167-174.	1.2	18
102	A new redox flow battery of high energy density with V/Mn hybrid redox couples. <i>Journal of Renewable and Sustainable Energy</i> , 2014, 6, .	0.8	13
103	Study of the electrochemical performance of VO <sub>2</sub> <sup>+</sup> /VO <sub>2</sub> + redox couple in sulfamic acid for vanadium redox flow battery. <i>Ionics</i> , 2014, 20, 949-955.	1.2	14
104	Effects of organic additives with oxygen- and nitrogen-containing functional groups on the negative electrolyte of vanadium redox flow battery. <i>Electrochimica Acta</i> , 2014, 130, 314-321.	2.6	45
105	Effect of In <sup>3+</sup> ions on the electrochemical performance of the positive electrolyte for vanadium redox flow batteries. <i>Ionics</i> , 2013, 19, 1915-1920.	1.2	27
106	Carbon paper modified by hydrothermal ammoniated treatment for vanadium redox battery. <i>Ionics</i> , 2013, 19, 1021-1026.	1.2	27
107	Carbon nanofibers grown on the surface of graphite felt by chemical vapour deposition for vanadium redox flow batteries. <i>RSC Advances</i> , 2013, 3, 19774.	1.7	44
108	Effects of organic additives containing NH <sub>2</sub> and SO <sub>3</sub> H on electrochemical properties of vanadium redox flow battery. <i>Electrochimica Acta</i> , 2013, 106, 556-562.	2.6	48

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109	Improved performance of vanadium redox battery using methylsulfonic acid solution as supporting electrolyte. Journal of Renewable and Sustainable Energy, 2013, 5, .	0.8	7
110	Anion doping enabling SnO <sub>2</sub> superior electrocatalytic performances for vanadium redox reactions. International Journal of Green Energy, 0, , 1-11.	2.1	3