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On-Chip NiZn Microbattery Based on Hierarchical Ordered Porous Ni@Ni(OH)₂ Microelectrode with Ultrafast Ion and Electron Transport Kinetics

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72	Three-Dimensional Reduced Graphene Oxide/Poly(3,4-Ethylenedioxythiophene) Composite Open Network Architectures for Microsupercapacitors. <i>Nanoscale Research Letters</i> , 2019 , 14, 267	5	6
71	Bioinspired Interfacial Strengthening Flexible Supercapacitors via Hierarchically Topological Interlocking Strategy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 38303-38312	9.5	9
70	Recent advances in flexible aqueous zinc-based rechargeable batteries. <i>Nanoscale</i> , 2019 , 11, 17992-18008	7.7	54
69	Advances on three-dimensional electrodes for micro-supercapacitors: A mini-review. <i>Information Materials</i> , 2019 , 1, 74-84	23.1	91
68	Scalable Production of the Cobaltous Hydroxide Nanosheet Electrode for Ultrahigh-Energy and Stable Aqueous Cobalt/Zinc Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1464-1470	8.3	5
67	Interwoven Nanowire Based On-Chip Asymmetric Microsupercapacitor with High Integrability, Areal Energy, and Power Density. <i>Advanced Energy Materials</i> , 2020 , 10, 2001873	21.8	18
66	Self-assembly of Alternating Stacked 2D/2D Ti ₃ C ₂ T _x MXene/ZnMnNi LDH van der Waals Heterostructures with Ultrahigh Supercapacitive Performance. <i>ACS Applied Energy Materials</i> , 2020 , 3, 10242-10254	6.1	15
65	A Flexible Concentric Circle Structured Zinc-Ion Micro-Battery with Electrodeposited Electrodes. <i>Small Methods</i> , 2020 , 4, 2000363	12.8	14
64	The ultrasonic-assisted growth of porous cobalt/nickel composite hydroxides as a super high-energy and stable cathode for aqueous zinc batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 17741-17746	13	6
63	MnO ₂ @Nickel Nanocone Arrays with High Areal Capacitance for Flexible Zinc Ion Supercapacitor. 2020 ,		
62	Recent Advances in High-Performance Microbatteries: Construction, Application, and Perspective. <i>Small</i> , 2020 , 16, e2003251	11	21
61	Advanced architecture designs towards high-performance 3D microbatteries. <i>Nano Materials Science</i> , 2020 ,	10.2	5
60	Planting MOF nanotube on Chinese Xuan Paper derived 3D carbon paper: An efficient positive electrode for Ni-Zn battery. <i>Journal of Solid State Chemistry</i> , 2020 , 289, 121473	3.3	1
59	Multicomponent hierarchical NiCo ₂ O ₄ @CoMoO ₄ @Co ₃ O ₄ arrayed structures for high areal energy density aqueous NiCo//Zn batteries. <i>Energy Storage Materials</i> , 2020 , 31, 27-35	19.4	25
58	Wearable Textile-Based Co-Zn Alkaline Microbattery with High Energy Density and Excellent Reliability. <i>Small</i> , 2020 , 16, e2000293	11	26
57	Towards high-performance microscale batteries: Configurations and optimization of electrode materials by in-situ analytical platforms. <i>Energy Storage Materials</i> , 2020 , 29, 17-41	19.4	19
56	Engineering Sulfur Vacancies of Ni ₃ S ₂ Nanosheets as a Binder-Free Cathode for an Aqueous Rechargeable Ni-Zn Battery. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3863-3875	6.1	28

55	Oxygen vacancies-rich cobalt-doped NiMoO ₄ nanosheets for high energy density and stable aqueous Ni-Zn battery. <i>Science China Materials</i> , 2020 , 63, 1205-1215	7.1	36
54	Flexible and tailorable quasi-solid-state rechargeable Ag/Zn microbatteries with high performance. 2021 , 3, 167-175		12
53	Multiphase phosphide cocatalyst for boosting efficient photocatalytic H ₂ production and enhancing the stability. <i>Ceramics International</i> , 2021 , 47, 1414-1420	5.1	7
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51	Ni(OH) ₂ cathode with oxygen vacancies induced from electrooxidizing Ni ₃ S ₂ nanosheets for aqueous rechargeable Ni/Zn battery. <i>Journal of Alloys and Compounds</i> , 2021 , 855, 157488	5.7	4
50	Water Invoking Interface Corrosion: An Energy Density Booster for Ni//Zn Battery. <i>Advanced Energy Materials</i> , 2021 , 11, 2003268	21.8	15
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45	Solid-State Precursor Impregnation for Enhanced Capacitance in Hierarchical Flexible Poly(3,4-Ethylenedioxythiophene) Supercapacitors. <i>ACS Nano</i> , 2021 , 15, 7799-7810	16.7	13
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43	3D-printed interdigital electrodes for electrochemical energy storage devices. <i>Journal of Materials Research</i> , 1	2.5	3
42	Engineering integrated structure for high-performance flexible zinc-ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 417, 127955	14.7	13
41	Updated Insights into 3D Architecture Electrodes for Micropower Sources. <i>Advanced Materials</i> , 2021 , 33, e2103304	24	5
40	A Durable Ni-Zn Microbattery with Ultrahigh-Rate Capability Enabled by In Situ Reconstructed Nanoporous Nickel with Epitaxial Phase. <i>Small</i> , 2021 , 17, e2103136	11	5
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36	In-plane micro-sized energy storage devices: From device fabrication to integration and intelligent designs. <i>Journal of Energy Chemistry</i> , 2021 , 63, 25-39	12	0
35	Electrospun carbon nanofibers functionalized with NiCo ₂ S ₄ nanoparticles as lightweight, flexible and binder-free cathode for aqueous Ni-Zn batteries. <i>Chemical Engineering Journal</i> , 2021 , 426, 130068	14.7	8
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31	The application of transition metal sulfide Ni ₃ S ₄ /CNFs in rechargeable Ni/Zn batteries. <i>New Journal of Chemistry</i> , 2021 , 45, 22491-22496	3.6	0
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28	A Flexible Aqueous Zinc-Iodine Micro-battery with Unprecedented Energy Density.. <i>Advanced Materials</i> , 2022 , e2109450	24	3
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26	Zincophilic Cu Sites Induce Dendrite-Free Zn Anodes for Robust Alkaline/Neutral Aqueous Batteries. <i>Advanced Functional Materials</i> , 2110829	15.6	10
25	Hierarchically nitrogen-doped mesoporous carbon nanospheres with dual ion adsorption capability for superior rate and ultra-stable zinc ion hybrid supercapacitors. <i>Science China Materials</i> , 1	7.1	2
24	Laser-Induced Ni Foil-Supported NiO@Ni(OH) ₂ Hierarchical Structures as Advanced Cathodes for Ultrahigh Performance Nickel/Zinc Batteries. <i>ACS Applied Energy Materials</i> ,	6.1	0
23	A high-voltage aqueous antimony-manganese hybrid battery based on all stripping/plating mechanism. <i>Energy Storage Materials</i> , 2022 , 49, 529-536	19.4	1
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1 High-Performance Zn-Ion Microbatteries by Subtractive Manufacturing.

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