

# Caiwei Shen

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,232  
citations

567144

15  
h-index

580701

25  
g-index

31  
all docs

31  
docs citations

31  
times ranked

2072  
citing authors

#	ARTICLE	IF	CITATIONS
1	A high-performance three-dimensional micro supercapacitor based on self-supporting composite materials. <i>Journal of Power Sources</i> , 2011, 196, 10465-10471.	4.0	139
2	Laser-Induced Molybdenum Carbide-Graphene Composites for 3D Foldable Paper Electronics. <i>Advanced Materials</i> , 2018, 30, e1800062.	11.1	135
3	High-Voltage Supercapacitors Based on Aqueous Electrolytes. <i>ChemElectroChem</i> , 2019, 6, 976-988.	1.7	133
4	A high-energy-density micro supercapacitor of asymmetric MnO <sub>2</sub> -carbon configuration by using micro-fabrication technologies. <i>Journal of Power Sources</i> , 2013, 234, 302-309.	4.0	124
5	A Review of On-Chip Micro Supercapacitors for Integrated Self-Powering Systems. <i>Journal of Microelectromechanical Systems</i> , 2017, 26, 949-965.	1.7	106
6	Laser-induced and KOH-activated 3D graphene: A flexible activated electrode fabricated via direct laser writing for in-plane micro-supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 393, 124672.	6.6	93
7	Titanium Disulfide Coated Carbon Nanotube Hybrid Electrodes Enable High Energy Density Symmetric Pseudocapacitors. <i>Advanced Materials</i> , 2018, 30, 1704754.	11.1	92
8	Kirigami-inspired, highly stretchable micro-supercapacitor patches fabricated by laser conversion and cutting. <i>Microsystems and Nanoengineering</i> , 2018, 4, 36.	3.4	68
9	Direct Prototyping of Patterned Nanoporous Carbon: A Route from Materials to On-chip Devices. <i>Scientific Reports</i> , 2013, 3, 2294.	1.6	61
10	Wearable woven supercapacitor fabrics with high energy density and load-bearing capability. <i>Scientific Reports</i> , 2017, 7, 14324.	1.6	52
11	Ultrathin Coaxial Fiber Supercapacitors Achieving High Energy and Power Densities. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39391-39398.	4.0	41
12	Micro supercapacitors based on a 3D structure with symmetric graphene or activated carbon electrodes. <i>Journal of Micromechanics and Microengineering</i> , 2013, 23, 114013.	1.5	31
13	Humidity-modulated properties of hydrogel polymer electrolytes for flexible supercapacitors. <i>Journal of Power Sources</i> , 2021, 499, 229962.	4.0	27
14	Flexible micro-supercapacitors prepared using direct-write nanofibers. <i>RSC Advances</i> , 2017, 7, 11724-11731.	1.7	26
15	Breathable 3D Supercapacitors Based on Activated Carbon Fiber Veil. <i>Advanced Materials Technologies</i> , 2018, 3, 1800209.	3.0	19
16	Hierarchically nanostructured carbon fiber-nickel-carbon nanotubes for high-performance supercapacitor electrodes. <i>Materials Letters</i> , 2017, 186, 70-73.	1.3	12
17	Laminate composite-based highly durable and flexible supercapacitors for wearable energy storage. <i>Journal of Energy Storage</i> , 2020, 29, 101460.	3.9	12
18	A novel assembly method using multi-layer bonding technique for micro direct methanol fuel cells and their stack. <i>Sensors and Actuators A: Physical</i> , 2012, 188, 246-254.	2.0	11

#	ARTICLE	IF	CITATIONS
19	Nanostructured manganese dioxides as active materials for micro-supercapacitors. <i>Micro and Nano Letters</i> , 2012, 7, 744.	0.6	9
20	High-energy-density on-chip supercapacitors using manganese dioxide-decorated direct-prototyped porous carbon electrodes. , 2014, , .		9
21	Fabrication and tests of a three-dimensional microsupercapacitor using SU-8 photoresist as the separator. <i>Micro and Nano Letters</i> , 2012, 7, 1166-1169.	0.6	8
22	Mass Loading-Independent Energy Storage with Reduced Graphene Oxide and Carbon Fiber. <i>ChemElectroChem</i> , 2019, 6, 6009-6015.	1.7	7
23	Solid polymer electrolytes with hydrates for structural supercapacitors. <i>Journal of Energy Storage</i> , 2022, 51, 104459.	3.9	6
24	A micro glucose sensor based on direct prototyping mesoporous carbon electrode. <i>Microsystem Technologies</i> , 2015, 21, 1337-1343.	1.2	4
25	Paper Electronics: Laser-Induced Molybdenum Carbide-Graphene Composites for 3D Foldable Paper Electronics ( <i>Adv. Mater.</i> 26/2018). <i>Advanced Materials</i> , 2018, 30, 1870192.	11.1	4
26	Direct prototyping of 3D micro supercapacitors based on in-situ fabricated nanoporous carbon electrodes. , 2013, , .		2
27	A study of nano-structured manganese dioxides and their composites as electrode materials for micro supercapacitors. , 2012, , .		0
28	A micro trace heavy metal sensor based on direct prototyping mesoporous carbon electrode. , 2014, , .		0
29	Semi-transparent foldable supercapacitor for 3D structured energy storage devices. , 2018, , .		0
30	Design of Machine-Washable and Wearable Supercapacitors Using Composite Laminates. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0