

Yuanlong Shao

List of Publications by Citations

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54
papers

6,032
citations

32
h-index

57
g-index

57
ext. papers

7,602
ext. citations

17.6
avg. IF

6.25
L-index

#	Paper	IF	Citations
54	Design and Mechanisms of Asymmetric Supercapacitors. <i>Chemical Reviews</i> , 2018 , 118, 9233-9280	68.1	1396
53	Graphene-based materials for flexible supercapacitors. <i>Chemical Society Reviews</i> , 2015 , 44, 3639-65	58.5	851
52	Graphene for batteries, supercapacitors and beyond. <i>Nature Reviews Materials</i> , 2016 , 1,	73.3	681
51	3D Freeze-Casting of Cellular Graphene Films for Ultrahigh-Power-Density Supercapacitors. <i>Advanced Materials</i> , 2016 , 28, 6719-26	24	335
50	Synchronous immobilization and conversion of polysulfides on a VO ₂ /N binary host targeting high sulfur load LiS batteries. <i>Energy and Environmental Science</i> , 2018 , 11, 2620-2630	35.4	327
49	Versatile N-Doped MXene Ink for Printed Electrochemical Energy Storage Application. <i>Advanced Energy Materials</i> , 2019 , 9, 1901839	21.8	172
48	Flexible quasi-solid-state planar micro-supercapacitor based on cellular graphene films. <i>Materials Horizons</i> , 2017 , 4, 1145-1150	14.4	150
47	Direct preparation and processing of graphene/RuO ₂ nanocomposite electrodes for high-performance capacitive energy storage. <i>Nano Energy</i> , 2015 , 18, 57-70	17.1	145
46	High-performance flexible asymmetric supercapacitors based on 3D porous graphene/MnO ₂ nanorod and graphene/Ag hybrid thin-film electrodes. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 1245-1251	7.1	135
45	Designing 3D Biomorphic Nitrogen-Doped MoSe ₂ /Graphene Composites toward High-Performance Potassium-Ion Capacitors. <i>Advanced Functional Materials</i> , 2020 , 30, 1903878	15.6	114
44	Directly Grown Vertical Graphene Carpets as Janus Separators toward Stabilized Zn Metal Anodes. <i>Advanced Materials</i> , 2020 , 32, e2003425	24	106
43	Rational design of porous nitrogen-doped Ti ₃ C ₂ MXene as a multifunctional electrocatalyst for LiS chemistry. <i>Nano Energy</i> , 2020 , 70, 104555	17.1	101
42	Flexible perovskite solar cell-driven photo-rechargeable lithium-ion capacitor for self-powered wearable strain sensors. <i>Nano Energy</i> , 2019 , 60, 247-256	17.1	97
41	High-performance all-solid-state yarn supercapacitors based on porous graphene ribbons. <i>Nano Energy</i> , 2015 , 12, 26-32	17.1	92
40	Printable magnesium-ion quasi-solid-state asymmetric supercapacitors for flexible solar-charging integrated units. <i>Nature Communications</i> , 2019 , 10, 4913	17.4	90
39	ZIF-8@ZIF-67-Derived Nitrogen-Doped Porous Carbon Confined CoP Polyhedron Targeting Superior Potassium-Ion Storage. <i>Small</i> , 2020 , 16, e1906566	11	78
38	Aluminum-Ion-Intercalation Supercapacitors with Ultrahigh Areal Capacitance and Highly Enhanced Cycling Stability: Power Supply for Flexible Electrochromic Devices. <i>Small</i> , 2017 , 13, 1700380	11	76

37	The Effect of Water on Quinone Redox Mediators in Nonaqueous Li-O Batteries. <i>Journal of the American Chemical Society</i> , 2018 , 140, 1428-1437	16.4	73
36	Cladding nanostructured AgNWs-MoS ₂ electrode material for high-rate and long-life transparent in-plane micro-supercapacitor. <i>Energy Storage Materials</i> , 2019 , 16, 212-219	19.4	72
35	Conductive and Catalytic VTe@MgO Heterostructure as Effective Polysulfide Promotor for Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2019 , 13, 13235-13243	16.7	71
34	Flash Converted Graphene for Ultra-High Power Supercapacitors. <i>Advanced Energy Materials</i> , 2015 , 5, 1500786	21.8	68
33	MOF-derived hierarchical CoP nanoflakes anchored on vertically erected graphene scaffolds as self-supported and flexible hosts for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3027-3034	13	58
32	3D Crumpled Ultrathin 1T MoS for Inkjet Printing of Mg-Ion Asymmetric Micro-supercapacitors. <i>ACS Nano</i> , 2020 , 14, 7308-7318	16.7	55
31	Lattice-contraction triggered synchronous electrochromic actuator. <i>Nature Communications</i> , 2018 , 9, 4798	17.4	52
30	Regulating Oxygen Substituents with Optimized Redox Activity in Chemically Reduced Graphene Oxide for Aqueous Zn-Ion Hybrid Capacitor. <i>Advanced Functional Materials</i> , 2021 , 31, 2007843	15.6	49
29	Highly strong and elastic graphene fibres prepared from universal graphene oxide precursors. <i>Scientific Reports</i> , 2014 , 4, 4248	4.9	47
28	Tunable stable operating potential window for high-voltage aqueous supercapacitors. <i>Nano Energy</i> , 2019 , 63, 103848	17.1	43
27	Self-standing electrodes with core-shell structures for high-performance supercapacitors. <i>Energy Storage Materials</i> , 2017 , 9, 119-125	19.4	42
26	A remote controllable fiber-type near-infrared light-responsive actuator. <i>Chemical Communications</i> , 2017 , 53, 11118-11121	5.8	36
25	Fabrication of large-area and high-crystallinity photoreduced graphene oxide films via reconstructed two-dimensional multilayer structures. <i>NPG Asia Materials</i> , 2014 , 6, e119-e119	10.3	36
24	Understanding LiOH Formation in a Li-O ₂ Battery with LiI and H ₂ O Additives. <i>ACS Catalysis</i> , 2019 , 9, 66-77	13.1	35
23	MoS ₂ /C/C nanofiber with double-layer carbon coating for high cycling stability and rate capability in lithium-ion batteries. <i>Nano Research</i> , 2018 , 11, 5866-5878	10	34
22	1T-Molybdenum disulfide/reduced graphene oxide hybrid fibers as high strength fibrous electrodes for wearable energy storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3143-3149	13	30
21	Biotemplated Synthesis of Transition Metal Nitride Architectures for Flexible Printed Circuits and Wearable Energy Storages. <i>Advanced Functional Materials</i> , 2018 , 28, 1805510	15.6	30
20	Assembly of Nanofluidic MXene Fibers with Enhanced Ionic Transport and Capacitive Charge Storage by Flake Orientation. <i>ACS Nano</i> , 2021 , 15, 7821-7832	16.7	27

19	A single-walled carbon nanotubes/poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate)/copper hexacyanoferrate hybrid film for high-volumetric performance flexible supercapacitors. <i>Journal of Power Sources</i> , 2018 , 386, 96-105	8.9	26
18	Self-healing flexible/stretchable energy storage devices. <i>Materials Today</i> , 2021 , 44, 78-104	21.8	23
17	Calligraphy-inspired brush written foldable supercapacitors. <i>Nano Energy</i> , 2017 , 38, 428-437	17.1	21
16	Room-temperature synthesis of 3-dimensional Ag-graphene hybrid hydrogel with promising electrochemical properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013 , 178, 769-774	3.1	20
15	Ultrafast rechargeable Zn micro-batteries endowing a wearable solar charging system with high overall efficiency. <i>Energy and Environmental Science</i> , 2021 , 14, 1602-1611	35.4	19
14	Niobium pentoxide based materials for high rate rechargeable electrochemical energy storage. <i>Materials Horizons</i> , 2021 , 8, 1130-1152	14.4	19
13	Accelerated Li ⁺ chemistry at a cooperative interface built in situ. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20750-20759	13	15
12	Characterization of Aniline Tetramer by MALDI TOF Mass Spectrometry upon Oxidative and Reductive Cycling. <i>Polymers</i> , 2016 , 8,	4.5	15
11	All-inorganic quantum-dot light-emitting-diodes with vertical nickel oxide nanosheets as hole transport layer. <i>Progress in Natural Science: Materials International</i> , 2016 , 26, 503-509	3.6	11
10	Recent Advances in Aqueous Zinc-ion Hybrid Capacitors: A Minireview. <i>ChemElectroChem</i> , 2021 , 8, 484-493	4.3	10
9	Facile synthesis of colloidal nitrogen-doped titanium carbide sheets with enhanced electrochemical performance 2020 , 2, 624-634		9
8	Universal interface and defect engineering dual-strategy for graphene-oxide heterostructures toward promoted Li ⁺ chemistry. <i>Chemical Engineering Journal</i> , 2021 , 418, 129407	14.7	9
7	Regulating Interfacial Ion Migration via Wool Keratin Mediated Biogel Electrolyte toward Robust Flexible Zn-Ion Batteries.. <i>Small</i> , 2022 , e2107163	11	6
6	Harmonizing Graphene Laminate Spacing and Zinc-Ion Solvated Structure toward Efficient Compact Capacitive Charge Storage. <i>Advanced Functional Materials</i> , 2112151	15.6	5
5	Capillary force driven printing of asymmetric Na-ion micro-supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22083-22089	13	4
4	Triggering the phase transition and capacity enhancement of Nb ₂ O ₅ for fast-charging lithium-ion storage. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 14534-14544	13	4
3	Rational Design of Mixed Solvent and Porous Graphene-Supported Spinel Oxide Electrodes for High-Rate and Long Cycle-Life Mg Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 37595-37601	8.5	2
2	Crystalline tetra-aniline with chloride interactions towards a biocompatible supercapacitor. <i>Materials Horizons</i> , 2021 ,	14.4	2

1	Emerging Two-dimensional Materials Constructed Nanofluidic Fiber: Properties, Preparation and Applications. <i>Advanced Fiber Materials</i> ,1	10.9	1
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