

Guohui Yuan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

980
citations

18
h-index

31
g-index

37
ext. papers

1,370
ext. citations

9.3
avg, IF

4.81
L-index

#	Paper	IF	Citations
37	Scalable Synthesis of Pore-Rich Si/C@C Core-Shell-Structured Microspheres for Practical Long-Life Lithium-Ion Battery Anodes.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	8
36	Molecular tailoring of MnO ₂ by bismuth doping to achieve aqueous zinc-ion battery with capacitor-level durability. <i>Energy Storage Materials</i> , 2022 , 48, 212-222	19.4	9
35	Pseudocapacitive Zinc Cation Intercalation with Superior Kinetics Enabled by Atomically Thin V ₂ O ₅ Nanobelts for Quasi-Solid-State Microbatteries. <i>Energy Storage Materials</i> , 2022 , 50, 454-463	19.4	4
34	Constructing nickel cobaltate @nickel-manganese layered double hydroxide hybrid composite on carbon cloth for high-performance flexible supercapacitors.. <i>Journal of Colloid and Interface Science</i> , 2021 , 611, 149-160	9.3	3
33	Concentrated hydrogel electrolyte for integrated supercapacitor with high capacitance at subzero temperature. <i>Science China Chemistry</i> , 2021 , 64, 852-860	7.9	2
32	Tailoring electrochemically active sites in carbon fiber by edge oxygen functionalized strategy for high performance yarn energy storage. <i>Journal of Power Sources</i> , 2021 , 491, 229579	8.9	2
31	Large-scale electrochemical fabrication of nitrogen-doped carbon quantum dots and their application as corrosion inhibitor for copper. <i>Journal of Materials Science</i> , 2021 , 56, 12909-12919	4.3	8
30	Hierarchical Carbon Shell Compositing Microscale Silicon Skeleton as High-Performance Anodes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 4976-4985	6.1	4
29	Tailoring Ultrahigh Energy Density and Stable Dendrite-Free Flexible Anode with Ti ₃ C ₂ T _x MXene Nanosheets and Hydrated Ammonium Vanadate Nanobelts for Aqueous Rocking-Chair Zinc Ion Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2103210	15.6	21
28	Opening MXene Ion Transport Channels by Intercalating PANI Nanoparticles from the Self-Assembly Approach for High Volumetric and Areal Energy Density Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30633-30642	9.5	11
27	A High-Performance, Tailorable, Wearable, and Foldable Solid-State Supercapacitor Enabled by Arranging Pseudocapacitive Groups and MXene Flakes on Textile Electrode Surface. <i>Advanced Functional Materials</i> , 2021 , 31, 2008185	15.6	45
26	Scalable fabrication of polyaniline nanodots decorated MXene film electrodes enabled by viscous functional inks for high-energy-density asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2021 , 405, 126664	14.7	39
25	Protonic acid catalysis to generate fast electronic transport channels in O-functionalized carbon textile with enhanced energy storage capability. <i>Nano Energy</i> , 2021 , 80, 105572	17.1	6
24	Engineering Textile Electrode and Bacterial Cellulose Nanofiber Reinforced Hydrogel Electrolyte to Enable High-Performance Flexible All-Solid-State Supercapacitors. <i>Advanced Energy Materials</i> , 2021 , 11, 2003010	21.8	49
23	Melamine sponge modified by graphene/polypyrrole as highly compressible supercapacitor electrodes. <i>Synthetic Metals</i> , 2020 , 267, 116461	3.6	9
22	Interfacing MXene flakes on fiber fabric as an ultrafast electron transport layer for high performance textile electrodes. <i>Energy Storage Materials</i> , 2020 , 33, 62-70	19.4	33
21	Intercalating Ultrathin MoO Nanobelts into MXene Film with Ultrahigh Volumetric Capacitance and Excellent Deformation for High-Energy-Density Devices. <i>Nano-Micro Letters</i> , 2020 , 12, 115	19.5	28

20	Tailoring Three-Dimensional Composite Architecture for Advanced Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19191-19199	9.5	53
19	Engineering 3D Ion Transport Channels for Flexible MXene Films with Superior Capacitive Performance. <i>Advanced Functional Materials</i> , 2019 , 29, 1900326	15.6	116
18	High Ion Transport within a Freeze-Casted Gel Film for High-Rate Integrated Flexible Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43294-43302	9.5	12
17	High-performance flexible MnO ₂ @carbonized cotton textile electrodes for enlarged operating potential window symmetrical supercapacitors. <i>Electrochimica Acta</i> , 2019 , 299, 12-18	6.7	35
16	High-Performance Polypyrrole/Graphene/SnCl ₂ Modified Polyester Textile Electrodes and Yarn Electrodes for Wearable Energy Storage. <i>Advanced Functional Materials</i> , 2018 , 28, 1800064	15.6	51
15	Low addition amount of self-healing ionomer binder for Si/graphite electrodes with enhanced cycling. <i>New Journal of Chemistry</i> , 2018 , 42, 6742-6749	3.6	11
14	The progress of novel binder as a non-ignorable part to improve the performance of Si-based anodes for Li-ion batteries. <i>International Journal of Energy Research</i> , 2018 , 42, 919-935	4.5	36
13	Enhanced Electrochemical Properties of LiFePO ₄ Cathode Using Waterborne Lithiated Ionomer Binder in Li-Ion Batteries with Low Amount. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 12650-12657	8.2	11
12	Oxygen-Deficient Bismuth Oxide/Graphene of Ultrahigh Capacitance as Advanced Flexible Anode for Asymmetric Supercapacitors. <i>Advanced Functional Materials</i> , 2017 , 27, 1701635	15.6	129
11	Large Areal Mass, Mechanically Tough and Freestanding Electrode Based on Heteroatom-doped Carbon Nanofibers for Flexible Supercapacitors. <i>Chemistry - A European Journal</i> , 2017 , 23, 2610-2618	4.8	30
10	A flexible polyaniline/graphene/bacterial cellulose supercapacitor electrode. <i>New Journal of Chemistry</i> , 2017 , 41, 857-864	3.6	50
9	Preparation of three-dimensional compressible MnO ₂ @carbon nanotube sponges with enhanced supercapacitor performance. <i>New Journal of Chemistry</i> , 2017 , 41, 14906-14913	3.6	29
8	Enhanced electrochemical properties of a natural graphite anode using a promising crosslinked ionomer binder in Li-ion batteries. <i>New Journal of Chemistry</i> , 2017 , 41, 11759-11765	3.6	6
7	Flexible Ti-Doped FeOOH Quantum Dots/Graphene/Bacterial Cellulose Anode for High-Energy Asymmetric Supercapacitors. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1700213	3.1	14
6	Large areal mass, flexible and freestanding polyaniline/bacterial cellulose/graphene film for high-performance supercapacitors. <i>RSC Advances</i> , 2016 , 6, 107426-107432	3.7	25
5	Large Areal Mass and High Scalable and Flexible Cobalt Oxide/Graphene/Bacterial Cellulose Electrode for Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 28480-28488	3.8	37
4	A composite additive used for an excellent new cyanide-free silver plating bath. <i>New Journal of Chemistry</i> , 2015 , 39, 2409-2412	3.6	17
3	Role of polyethyleneimine as an additive in cyanide-free electrolytes for gold electrodeposition. <i>RSC Advances</i> , 2015 , 5, 64806-64813	3.7	21

- 2 Solvothermal synthesis of graphene nanosheets as the electrode materials for supercapacitors. *Ionics*, **2015**, 21, 801-808 2.7 12
- 1 Electrochemical behavior of Mg-doped $7\text{LiFePO}_4 \cdot 3\text{V}_2(\text{PO}_4)_3$ composite cathode material for lithium-ion batteries. *Ionics*, **2013**, 19, 1077-1084 2.7 4