

Junwei Lang

List of Publications by Year in descending order

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34
papers

2,996
citations

218677

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34
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docs citations

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times ranked

4847
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast and Large Lithium Storage in 3D Porous VN Nanowires@Graphene Composite as a Superior Anode Toward High-Performance Hybrid Supercapacitors. <i>Advanced Functional Materials</i> , 2015, 25, 2270-2278.	14.9	379
2	A hybrid supercapacitor based on flower-like $\text{Co}(\text{OH})_2$ and urchin-like VN electrode materials. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12724-12732.	10.3	324
3	3D Hierarchical $\text{Co}/\text{CoO}@$ Graphene@Carbonized Melamine Foam as a Superior Cathode toward Long-Life Lithium Oxygen Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 1354-1364.	14.9	206
4	A High-Performance Sodium-Ion Hybrid Capacitor Constructed by Metal-Organic Framework-Derived Anode and Cathode Materials. <i>Advanced Functional Materials</i> , 2018, 28, 1800757.	14.9	205
5	Facile Synthesis of Fe_2O_3 Nano-Dots@Nitrogen-Doped Graphene for Supercapacitor Electrode with Ultralong Cycle Life in KOH Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9335-9344.	8.0	200
6	A high-temperature flexible supercapacitor based on pseudocapacitive behavior of FeOOH in an ionic liquid electrolyte. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8316-8327.	10.3	138
7	Oxygen-enriched activated carbons from pomelo peel in high energy density supercapacitors. <i>RSC Advances</i> , 2014, 4, 54662-54667.	3.6	123
8	Engineering metal organic framework derived 3D nanostructures for high performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 292-302.	10.3	118
9	Candle soot: onion-like carbon, an advanced anode material for a potassium-ion hybrid capacitor. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9247-9252.	10.3	112
10	Ultra-small, size-controlled $\text{Ni}(\text{OH})_2$ nanoparticles: elucidating the relationship between particle size and electrochemical performance for advanced energy storage devices. <i>NPG Asia Materials</i> , 2015, 7, e183-e183.	7.9	109
11	Identifying pseudocapacitance of Fe_2O_3 in an ionic liquid and its application in asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14550-14556.	10.3	105
12	Engineering the Electrochemical Capacitive Properties of Microsupercapacitors Based on Graphene Quantum Dots/ MnO_2 Using Ionic Liquid Gel Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25378-25389.	8.0	99
13	Effects of concentration and temperature of EMIMBF ₄ /acetonitrile electrolyte on the supercapacitive behavior of graphene nanosheets. <i>Journal of Materials Chemistry</i> , 2012, 22, 8853.	6.7	92
14	Porous niobium nitride as a capacitive anode material for advanced Li-ion hybrid capacitors with superior cycling stability. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9760-9766.	10.3	84
15	3D high-density MXene@ MnO_2 microflowers for advanced aqueous zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24635-24644.	10.3	82
16	Coupling effect between ultra-small Mn_3O_4 nanoparticles and porous carbon microrods for hybrid supercapacitors. <i>Energy Storage Materials</i> , 2017, 6, 53-60.	18.0	72
17	Mesoporous Ni-doped MnCo_2O_4 hollow nanotubes as an anode material for sodium ion batteries with ultralong life and pseudocapacitive mechanism. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18392-18400.	10.3	68
18	The roles of graphene in advanced Li-ion hybrid supercapacitors. <i>Journal of Energy Chemistry</i> , 2018, 27, 43-56.	12.9	64

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19	Electrochemical behavior of graphene nanosheets in alkylimidazolium tetrafluoroborate ionic liquid electrolytes: influences of organic solvents and the alkyl chains. <i>Journal of Materials Chemistry</i> , 2011, 21, 13205.	6.7	63
20	Carbon encapsulated RuO ₂ nano-dots anchoring on graphene as an electrode for asymmetric supercapacitors with ultralong cycle life in an ionic liquid electrolyte. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8180-8189.	10.3	59
21	Controllable synthesis of Mn ₃ O ₄ nanodots@nitrogen-doped graphene and its application for high energy density supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5523-5531.	10.3	57
22	Synthesis of Porous MnO ₂ Submicron Tubes as Highly Efficient Electrocatalyst for Rechargeable Li-O ₂ Batteries. <i>ChemSusChem</i> , 2015, 8, 1972-1979.	6.8	42
23	Solar-Thermal Driven Self-Heating of Micro-Supercapacitors at Low Temperatures. <i>Solar Rrl</i> , 2018, 2, 1800223.	5.8	36
24	Effect of surface area and heteroatom of porous carbon materials on electrochemical capacitance in aqueous and organic electrolytes. <i>Science China Chemistry</i> , 2014, 57, 1570-1578.	8.2	33
25	Mn and Co co-doped perovskite fluorides KNiF ₃ with enhanced capacitive performance. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 546-555.	9.4	30
26	Highly conductive KNiF ₃ @carbon nanotubes composite materials with cross-linked structure for high performance supercapacitor. <i>Journal of Power Sources</i> , 2020, 474, 228603.	7.8	30
27	Superior Volumetric Capability Dual-Ion Batteries Enabled by A Microsize Niobium Tungsten Oxide Anode. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	14
28	High lithium anodic performance of flower-like carbon nanoflakes derived from MOF based on double ligands. <i>Journal of Alloys and Compounds</i> , 2019, 806, 520-528.	5.5	11
29	Constructing consistent pore microstructures of bacterial cellulose-derived cathode and anode materials for high energy density sodium-ion capacitors. <i>New Journal of Chemistry</i> , 2020, 44, 1865-1871.	2.8	10
30	Sulfur Powder as a Reducing Agent to Synthesize the Ni@Ni(OH) ₂ Flower-Like Material for Electrochemical Capacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 7732-7738.	0.9	9
31	Nitrogen-doped carbon nanotubes by multistep pyrolysis process as a promising anode material for lithium ion hybrid capacitors. <i>Chinese Chemical Letters</i> , 2020, 31, 2239-2244.	9.0	7
32	Carbon Nanosheet Anode for Sodium-Ion Storage and Its Application in Sodium-Ion Hybrid Capacitors. <i>ChemistrySelect</i> , 2020, 5, 5824-5830.	1.5	6
33	Superiority of Cubic Perovskites Oxides with Strong B-O Hybridization for Oxygen-Anion Intercalation Pseudocapitance. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	6
34	Anchoring nitrogen-doped carbon particles on lithium titanate to enhance its lithium storage performance. <i>Journal of Electroanalytical Chemistry</i> , 2020, 871, 114293.	3.8	3