

Jinfeng Sun

List of Publications by Year in descending order

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51
papers

4,712
citations

126907

33
h-index

197818

49
g-index

51
all docs

51
docs citations

51
times ranked

6803
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and synthesis of Ni-MOF/CNT composites and rGO/carbon nitride composites for an asymmetric supercapacitor with high energy and power density. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13874-13883.	10.3	436
2	Recent Progress on Flexible and Wearable Supercapacitors. <i>Small</i> , 2017, 13, 1701827.	10.0	365
3	Weavable, Conductive Yarn-Based NiCo//Zn Textile Battery with High Energy Density and Rate Capability. <i>ACS Nano</i> , 2017, 11, 8953-8961.	14.6	310
4	High-performance stretchable yarn supercapacitor based on PPy@CNTs@urethane elastic fiber core spun yarn. <i>Nano Energy</i> , 2016, 27, 230-237.	16.0	297
5	Simple Synthesis of Amorphous NiWO ₄ Nanostructure and Its Application as a Novel Cathode Material for Asymmetric Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 8044-8052.	8.0	293
6	Recent progresses in high-energy-density all pseudocapacitive-electrode-materials-based asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9443-9464.	10.3	278
7	Polyurethane/Cotton/Carbon Nanotubes Core-Spun Yarn as High Reliability Stretchable Strain Sensor for Human Motion Detection. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24837-24843.	8.0	251
8	Monodisperse Metallic NiCoSe ₂ Hollow Sub- μ m Microspheres: Formation Process, Intrinsic Charge-Storage Mechanism, and Appealing Pseudocapacitance as Highly Conductive Electrode for Electrochemical Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1705921.	14.9	214
9	Pyrolytic synthesis of boron-doped graphene and its application as electrode material for supercapacitors. <i>Electrochimica Acta</i> , 2013, 108, 666-673.	5.2	200
10	Construction of Hierarchical Nanotubes Assembled from Ultrathin V ₃ S ₄ @C Nanosheets towards Alkali-Ion Batteries with Ion-Dependent Electrochemical Mechanisms. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2473-2482.	13.8	199
11	Nasicon-Type Surface Functional Modification in Core-Shell LiNi _{0.5} Mn _{0.3} Co _{0.2} O ₂ @NaTi ₂ (PO ₄) ₃ Cathode Enhances Its High-Voltage Cycling Stability and Rate Capacity toward Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5498-5510.	8.0	145
12	A high performance fiber-shaped PEDOT@MnO ₂ //C@Fe ₃ O ₄ asymmetric supercapacitor for wearable electronics. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14877-14883.	10.3	118
13	Rational construction of three dimensional hybrid Co ₃ O ₄ @NiMoO ₄ nanosheets array for energy storage application. <i>Journal of Power Sources</i> , 2014, 270, 516-525.	7.8	115
14	One-Dimensional Nanostructured Pseudocapacitive Materials: Design, Synthesis and Applications in Supercapacitors. <i>Batteries and Supercaps</i> , 2019, 2, 820-841.	4.7	92
15	Recent progress in flexible non-lithium based rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4353-4382.	10.3	91
16	Rapid synthesis of graphene/cobalt hydroxide composite with enhanced electrochemical performance for supercapacitors. <i>Journal of Power Sources</i> , 2014, 245, 224-231.	7.8	87
17	In Situ Synthesis of Hierarchical Core-Shell Ti-Doped LiMnPO ₄ @NaTi ₂ (PO ₄) ₃ @C/3D Graphene Cathode with High-Rate Capability and Long Cycle Life for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1802847.	19.5	83
18	Recent progress of fiber-shaped asymmetric supercapacitors. <i>Materials Today Energy</i> , 2017, 5, 1-14.	4.7	80

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19	Conductive metal-organic frameworks: Recent advances in electrochemical energy-related applications and perspectives. , 2020, 2, 203-222.		75
20	Bottom-Up Fabrication of 1D Cu-based Conductive Metal-Organic Framework Nanowires as a High-Rate Anode towards Efficient Lithium Storage. ChemSusChem, 2019, 12, 5051-5058.	6.8	73
21	Sur-/interfacial regulation in all-solid-state rechargeable Li-ion batteries based on inorganic solid-state electrolytes: advances and perspectives. Materials Horizons, 2019, 6, 871-910.	12.2	67
22	Controllable synthesis of CoAl LDH@Ni(OH) ₂ nanosheet arrays as binder-free electrode for supercapacitor applications. Journal of Alloys and Compounds, 2014, 608, 297-303.	5.5	64
23	Facile construction of ultrathin SnO _x nanosheets decorated MXene (Ti ₃ C ₂) nanocomposite towards Li-ion batteries as high performance anode materials. Electrochimica Acta, 2019, 295, 237-245.	5.2	64
24	Photochemical synthesis of fluorinated graphene via a simultaneous fluorination and reduction route. RSC Advances, 2013, 3, 6327.	3.6	54
25	Conductive Co-based metal-organic framework nanowires: a competitive high-rate anode towards advanced Li-ion capacitors. Journal of Materials Chemistry A, 2019, 7, 24788-24791.	10.3	53
26	Assembly and electrochemical properties of novel alkaline rechargeable Ni/Bi battery using Ni(OH) ₂ and (BiO) ₄ CO ₃ (OH) ₂ microspheres as electrode materials. Journal of Power Sources, 2015, 274, 1070-1075.	7.8	47
27	Recent Progress in "Water-in-Salt" Electrolytes Toward Non-lithium Based Rechargeable Batteries. Frontiers in Chemistry, 2020, 8, 595.	3.6	47
28	A General Eco-friendly Production of Bio-sources Derived Micro-/Mesoporous Carbons with Robust Supercapacitive Behaviors and Sodium-Ion Storage. ACS Sustainable Chemistry and Engineering, 2019, 7, 779-789.	6.7	44
29	Controllable synthesis of 3D hierarchical bismuth compounds with good electrochemical performance for advanced energy storage devices. RSC Advances, 2015, 5, 51773-51778.	3.6	43
30	Construction of 1D conductive Ni-MOF nanorods with fast Li ⁺ kinetic diffusion and stable high-rate capacities as an anode for lithium ion batteries. Nanoscale Advances, 2019, 1, 4688-4691.	4.6	42
31	Recent Progresses and Development of Advanced Atomic Layer Deposition towards High-Performance Li-Ion Batteries. Nanomaterials, 2017, 7, 325.	4.1	41
32	Solvothermal Synthesis of Ni/Reduced Graphene Oxide Composites as Electrode Material for Supercapacitors. Electrochimica Acta, 2014, 123, 560-568.	5.2	40
33	Sur-/Interface Engineering of Hierarchical Li _{0.6} Mn _{0.2} Co _{0.2} O ₂ @LiCoPO ₄ @Graphene Architectures as Promising High-Voltage Cathodes toward Advanced Li-Ion Batteries. Advanced Materials Interfaces, 2017, 4, 1700382.	3.7	38
34	Ni/Bi battery based on Ni(OH) ₂ nanoparticles/graphene sheets and Bi ₂ O ₃ rods/graphene sheets with high performance. Journal of Alloys and Compounds, 2015, 643, 231-238.	5.5	35
35	Non-lithium-based metal ion capacitors: recent advances and perspectives. Journal of Materials Chemistry A, 2022, 10, 357-378.	10.3	34
36	A universal method towards conductive textile for flexible batteries with superior softness. Energy Storage Materials, 2021, 36, 272-278.	18.0	31

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37	Solvothermal synthesis of Ni(HCO ₃) ₂ /graphene composites toward supercapacitors and the faradiac redox mechanism in KOH solution. <i>Journal of Alloys and Compounds</i> , 2013, 581, 217-222.	5.5	26
38	Green self-activation engineering of metal-organic framework derived hollow nitrogen-doped carbon spheres towards supercapacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2932-2944.	10.3	24
39	Sustainable rose multiflora derived nitrogen/oxygen-enriched micro-/mesoporous carbon as a low-cost competitive electrode towards high-performance electrochemical supercapacitors. <i>RSC Advances</i> , 2018, 8, 9181-9191.	3.6	22
40	Construction of Hierarchical Nanotubes Assembled from Ultrathin V ₃ S ₄ @C Nanosheets towards Alkali-Ion Batteries with Ion-Dependent Electrochemical Mechanisms. <i>Angewandte Chemie</i> , 2020, 132, 2494-2503.	2.0	18
41	Hydrothermal synthesis of Ni@C core-shell composites with high capacitance. <i>Journal of Alloys and Compounds</i> , 2013, 575, 152-157.	5.5	16
42	MoS ₃ nanoparticles on reduced graphene oxide. <i>Materials Today</i> , 2018, 21, 193-194.	14.2	11
43	Supercapacitors: Monodisperse Metallic NiCoSe ₂ Hollow Sub-Microspheres: Formation Process, Intrinsic Charge-Storage Mechanism, and Appealing Pseudocapitance as Highly Conductive Electrode for Electrochemical Supercapacitors (<i>Adv. Funct. Mater.</i> 13/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870082.	14.9	11
44	Ordered Macroporous MoS ₂ -Carbon Composite with Fast and Robust Sodium Storage Properties to Solve the Issue of Kinetics Mismatch of Sodium-Ion Capacitors. <i>Energy and Environmental Materials</i> , 2023, 6, .	12.8	10
45	Green Bio-template Fabrication of Fe Derivatives@Carbon Composites and Porous Carbon Sheets toward Advanced Li-Ion Capacitors as Low-Cost Electrodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 7159-7166.	5.1	8
46	Graphene-Wrapped Ni(OH) ₂ Hollow Spheres as Novel Electrode Material for Supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 7010-7017.	0.9	5
47	Solid-state template-free fabrication of uniform Mo ₂ C microflowers with lithium storage towards Li-ion batteries. <i>Chinese Chemical Letters</i> , 2020, 31, 1670-1673.	9.0	5
48	Preparation of Poly(sodium-4-styrene sulfonate) Functionalized Graphene/Manganese Dioxide Composites for Supercapacitor Application with Superior Cycling Stability. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 1351-1356.	1.4	4
49	Lithium-Ion Batteries: In Situ Synthesis of Hierarchical Core Double-Shell Ti-Doped LiMnPO ₄ @NaTi ₂ (PO) ₄ (Adv. Energy Mater. 11/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970033.	19.5	3
50	Self-combustion induced hierarchical nanoporous alloy transition toward high area property electrode for supercapacitor. <i>Journal of Alloys and Compounds</i> , 2022, 900, 163443.	5.5	3
51	Cathode Materials: Surface Interface Engineering of Hierarchical LiNi _{0.6} Mn _{0.2} Co _{0.2} O ₂ @LiCoPO ₄ @Graphene Architectures as Promising High-Voltage Cathodes toward Advanced Li-Ion Batteries (<i>Adv. Mater.</i>) <i>TJ ETQq1 1 0.784314 r gBT /Ove</i>	3.7	0