

Jinfeng Sun

List of Publications by Year in descending order

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papers

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126907

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6803
citing authors

#	ARTICLE	IF	CITATIONS
1	Ordered Macroporous MoS ₂ –Carbon Composite with Fast and Robust Sodium Storage Properties to Solve the Issue of Kinetics Mismatch of Sodium-ion Capacitors. Energy and Environmental Materials, 2023, 6, .	12.8	10
2	Self-combustion induced hierarchical nanoporous alloy transition toward high area property electrode for supercapacitor. Journal of Alloys and Compounds, 2022, 900, 163443.	5.5	3
3	Non-lithium-based metal ion capacitors: recent advances and perspectives. Journal of Materials Chemistry A, 2022, 10, 357-378.	10.3	34
4	Green self-activation engineering of metal–organic framework derived hollow nitrogen-doped carbon spheres towards supercapacitors. Journal of Materials Chemistry A, 2022, 10, 2932-2944.	10.3	24
5	A universal method towards conductive textile for flexible batteries with superior softness. Energy Storage Materials, 2021, 36, 272-278.	18.0	31
6	Solid-state template-free fabrication of uniform Mo ₂ C microflowers with lithium storage towards Li-ion batteries. Chinese Chemical Letters, 2020, 31, 1670-1673.	9.0	5
7	Construction of Hierarchical Nanotubes Assembled from Ultrathin V ₃ S ₄ @C Nanosheets towards Alkali-ion Batteries with Ion-Dependent Electrochemical Mechanisms. Angewandte Chemie, 2020, 132, 2494-2503.	2.0	18
8	Construction of Hierarchical Nanotubes Assembled from Ultrathin V ₃ S ₄ @C Nanosheets towards Alkali-ion Batteries with Ion-Dependent Electrochemical Mechanisms. Angewandte Chemie - International Edition, 2020, 59, 2473-2482.	13.8	199
9	Recent Progress in “Water-in-Salt” Electrolytes Toward Non-lithium Based Rechargeable Batteries. Frontiers in Chemistry, 2020, 8, 595.	3.6	47
10	Green Bio-template Fabrication of Fe Derivatives@Carbon Composites and Porous Carbon Sheets toward Advanced Li-Ion Capacitors as Low-Cost Electrodes. ACS Applied Energy Materials, 2020, 3, 7159-7166.	5.1	8
11	Conductive metal–organic frameworks: Recent advances in electrochemical energy-related applications and perspectives. , 2020, 2, 203-222.		75
12	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
13	Recent progress in flexible non-lithium based rechargeable batteries. Journal of Materials Chemistry A, 2019, 7, 4353-4382.	10.3	91
14	One–Dimensional Nanostructured Pseudocapacitive Materials: Design, Synthesis and Applications in Supercapacitors. Batteries and Supercaps, 2019, 2, 820-841.	4.7	92
15	Lithium-ion Batteries: In Situ Synthesis of Hierarchical Core Double–Shell Ti–Doped LiMnPO ₄ @NaTi ₂ (PO) ₄ (Adv. Energy Mater. 11/2019). Advanced Energy Materials, 2019, 9, 1970033.	19.5	3
16	In Situ Synthesis of Hierarchical Core Double–Shell Ti–Doped LiMnPO ₄ @NaTi ₂ (PO) ₄ @C/3D Graphene Cathode with High–Rate Capability and Long Cycle Life for Lithium-ion Batteries. Advanced Energy Materials, 2019, 9, 1802847.	19.5	83
17	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
18	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

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19	Construction of 1D conductive Ni-MOF nanorods with fast Li^{+} kinetic diffusion and stable high-rate capacities as an anode for lithium ion batteries. <i>Nanoscale Advances</i> , 2019, 1, 4688-4691.	4.6	42
20	A General Eco-friendly Production of Bio-sources Derived Micro-/Mesoporous Carbons with Robust Supercapacitive Behaviors and Sodium-Ion Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 779-789.	6.7	44
21	Facile construction of ultrathin SnO _x nanosheets decorated MXene (Ti ₃ C ₂) nanocomposite towards Li-ion batteries as high performance anode materials. <i>Electrochimica Acta</i> , 2019, 295, 237-245.	5.2	64
22	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
23	MoS ₃ nanoparticles on reduced graphene oxide. <i>Materials Today</i> , 2018, 21, 193-194.	14.2	11
24	Supercapacitors: Monodisperse Metallic NiCoSe ₂ Hollow Sub- μ Microspheres: Formation Process, Intrinsic Charge-Storage Mechanism, and Appealing Pseudocapacitance 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
25	Monodisperse Metallic NiCoSe ₂ Hollow Sub- μ 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
26	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
27	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
28	Recent progress of fiber-shaped asymmetric supercapacitors. <i>Materials Today Energy</i> , 2017, 5, 1-14.	4.7	80
29	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>Advanced Materials Interfaces</i> , 2017, 4, 1700382.	3.7	38
30	Recent Progress on Flexible and Wearable Supercapacitors. <i>Small</i> , 2017, 13, 1701827.	10.0	365
31	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</i> 1 0:784314 rBT /Ove	3.7	0
32	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
33	Recent Progresses and Development of Advanced Atomic Layer Deposition towards High-Performance Li-Ion Batteries. <i>Nanomaterials</i> , 2017, 7, 325.	4.1	41
34	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
35	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
36	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

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37	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
38	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. <i>Journal of Power Sources</i> , 2015, 274, 1070-1075.	7.8	47
39	Ni/Bi battery based on Ni(OH) ₂ nanoparticles/graphene sheets and Bi ₂ O ₃ rods/graphene sheets with high performance. <i>Journal of Alloys and Compounds</i> , 2015, 643, 231-238.	5.5	35
40	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
41	Controllable synthesis of 3D hierarchical bismuth compounds with good electrochemical performance for advanced energy storage devices. <i>RSC Advances</i> , 2015, 5, 51773-51778.	3.6	43
42	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
43	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
44	Solvothermal Synthesis of Ni/Reduced Graphene Oxide Composites as Electrode Material for Supercapacitors. <i>Electrochimica Acta</i> , 2014, 123, 560-568.	5.2	40
45	Controllable synthesis of CoAl LDH@Ni(OH) ₂ nanosheet arrays as binder-free electrode for supercapacitor applications. <i>Journal of Alloys and Compounds</i> , 2014, 608, 297-303.	5.5	64
46	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
47	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
48	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
49	Photochemical synthesis of fluorinated graphene via a simultaneous fluorination and reduction route. <i>RSC Advances</i> , 2013, 3, 6327.	3.6	54
50	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
51	Preparation of Poly(sodium 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