Yu Song

List of Publications by Year in descending order

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62	5,308	136950	123424
papers	citations	32 h-index	61 g-index

63	63	63	7018
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Revitalizing carbon supercapacitor electrodes with hierarchical porous structures. Journal of Materials Chemistry A, 2017, 5, 17705-17733.	10.3	464
2	High Mass Loading MnO₂ with Hierarchical Nanostructures for Supercapacitors. ACS Nano, 2018, 12, 3557-3567.	14.6	447
3	Paperâ€Based Electrodes for Flexible Energy Storage Devices. Advanced Science, 2017, 4, 1700107.	11.2	361
4	A Longâ€Cycleâ€Life Selfâ€Doped Polyaniline Cathode for Rechargeable Aqueous Zinc Batteries. Angewandte Chemie - International Edition, 2018, 57, 16359-16363.	13.8	346
5	3D printed functional nanomaterials for electrochemical energy storage. Nano Today, 2017, 15, 107-120.	11.9	302
6	Pushing the Cycling Stability Limit of Polypyrrole for Supercapacitors. Advanced Functional Materials, 2015, 25, 4626-4632.	14.9	234
7	Morphology and Doping Engineering of Sn-Doped Hematite Nanowire Photoanodes. Nano Letters, 2017, 17, 2490-2495.	9.1	204
8	Ammoniumâ€Ion Storage Using Electrodeposited Manganese Oxides. Angewandte Chemie - International Edition, 2021, 60, 5718-5722.	13.8	155
9	Electrochemical anchoring of dual doping polypyrrole on graphene sheets partially exfoliated from graphite foil for high-performance supercapacitor electrode. Journal of Power Sources, 2014, 249, 48-58.	7.8	154
10	Human Pulse Diagnosis for Medical Assessments Using a Wearable Piezoelectret Sensing System. Advanced Functional Materials, 2018, 28, 1803413.	14.9	151
11	Ostwald Ripening Improves Rate Capability of High Mass Loading Manganese Oxide for Supercapacitors. ACS Energy Letters, 2017, 2, 1752-1759.	17.4	146
12	A Review on Nano-/Microstructured Materials Constructed by Electrochemical Technologies for Supercapacitors. Nano-Micro Letters, 2020, 12, 118.	27.0	146
13	High energy density of polymer nanocomposites at a low electric field induced by modulation of their topological-structure. Journal of Materials Chemistry A, 2016, 4, 8359-8365.	10.3	137
14	A Flexible Piezoelectret Actuator/Sensor Patch for Mechanical Humanâ€“Machine Interfaces. ACS Nano, 2019, 13, 7107-7116.	14.6	137
15	Inhibiting VOPO₄â‹…xâ€‰H₂O Decomposition and Dissolution in Rechargeable Aqueous Zinc Batteries to Promote Voltage and Capacity Stabilities. Angewandte Chemie - International Edition, 2019, 58, 16057-16061.	13.8	125
16	Electrochemical Codeposition of Vanadium Oxide and Polypyrrole for High-Performance Supercapacitor with High Working Voltage. ACS Applied Materials & Interfaces, 2014, 6, 12656-12664.	8.0	120
17	Amorphous Mixedâ€Valence Vanadium Oxide/Exfoliated Carbon Cloth Structure Shows a Record High Cycling Stability. Small, 2017, 13, 1700067.	10.0	119
18	A Zn(ClO₄)₂ Electrolyte Enabling Long-Life Zinc Metal Electrodes for Rechargeable Aqueous Zinc Batteries. ACS Applied Materials & Interfaces, 2019, 11, 42000-42005.	8.0	111

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19	Balancing the electrical double layer capacitance and pseudocapacitance of hetero-atom doped carbon. Nanoscale, 2017, 9, 13119-13127.	5.6	108
20	A Longâ€Cycleâ€Life Selfâ€Doped Polyaniline Cathode for Rechargeable Aqueous Zinc Batteries. Angewandte Chemie, 2018, 130, 16597-16601.	2.0	107
21	Engineering of Mesoscale Pores in Balancing Mass Loading and Rate Capability of Hematite Films for Electrochemical Capacitors. Advanced Energy Materials, 2018, 8, 1801784.	19.5	97
22	Ordered Polypyrrole Nanowire Arrays Grown on a Carbon Cloth Substrate for a High-Performance Pseudocapacitor Electrode. ACS Applied Materials & Interfaces, 2015, 7, 25506-25513.	8.0	92
23	Controlled partial-exfoliation of graphite foil and integration with MnO2nanosheets for electrochemical capacitors. Nanoscale, 2015, 7, 3581-3587.	5.6	91
24	Rate capability improvement of polypyrrole via integration with functionalized commercial carbon cloth for pseudocapacitor. Journal of Power Sources, 2016, 324, 788-797.	7.8	72
25	Three-dimensional carbon architectures for electrochemical capacitors. Journal of Colloid and Interface Science, 2018, 509, 529-545.	9.4	67
26	Integration of nickelâ€“cobalt double hydroxide nanosheets and polypyrrole films with functionalized partially exfoliated graphite for asymmetric supercapacitors with improved rate capability. Journal of Materials Chemistry A, 2015, 3, 14712-14720.	10.3	65
27	VO_x@MoO₃ Nanorod Composite for Highâ€Performance Supercapacitors. Advanced Functional Materials, 2018, 28, 1803901.	14.9	52
28	Metal organic frameworks with immobilized nanoparticles: Synthesis and applications in photocatalytic hydrogen generation and energy storage. Materials Research Bulletin, 2017, 96, 385-394.	5.2	50
29	Tri-layered graphite foil for electrochemical capacitors. Journal of Materials Chemistry A, 2016, 4, 7683-7688.	10.3	43
30	Electrochemical in situ construction of vanadium oxide heterostructures with boosted pseudocapacitive charge storage. Journal of Materials Chemistry A, 2020, 8, 1176-1183.	10.3	43
31	Porous Polypyrrole/Graphene Oxide Functionalized with Carboxyl Composite for Electrochemical Sensor of Trace Cadmium (II). Journal of the Electrochemical Society, 2019, 166, B95-B102.	2.9	42
32	Large d₃₃ and enhanced ferroelectric/dielectric properties of poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td nanofibers. RSC Advances, 2015, 5, 51302-51307.	3.6	33
33	Boosting the pseudocapacitance of nitrogen-rich carbon nanorod arrays for electrochemical capacitors. Journal of Materials Chemistry A, 2019, 7, 12086-12094.	10.3	32
34	Decavanadate Doped Polyaniline for Aqueous Zinc Batteries. Small, 2022, 18, e2107689.	10.0	32
35	A Manganese Phosphate Cathode for Longâ€Life Aqueous Energy Storage. Advanced Functional Materials, 2021, 31, 2100477.	14.9	31
36	Rate capability improvement of Coâ€“Ni double hydroxides integrated in cathodically partially exfoliated graphite. Journal of Power Sources, 2017, 365, 126-133.	7.8	29

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37	Strongly coupled polypyrrole/molybdenum oxide hybrid films via electrochemical layer-by-layer assembly for pseudocapacitors. Journal of Materials Chemistry A, 2019, 7, 9815-9821.	10.3	28
38	Activating the Highly Reversible Mo⁴⁺/Mo⁵⁺ Redox Couple in Amorphous Molybdenum Oxide for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2020, 12, 48565-48571.	8.0	28
39	Electrochemical Growth of Polyaniline Nanowire Arrays on Graphene Sheets in Partially Exfoliated Graphite Foil for High-Performance Supercapacitive Materials. Electrochimica Acta, 2017, 240, 72-79.	5.2	27
40	Ammoniumâ€ion Storage Using Electrodeposited Manganese Oxides. Angewandte Chemie, 2021, 133, 5782-5786.	2.0	26
41	A Novel Electrochemical Sensor Based on Electropolymerized Ion Imprinted PoPD/ERGO Composite for Trace Cd(II) Determination in Water. Sensors, 2020, 20, 1004.	3.8	25
42	Morphology engineering of electro-deposited iron oxides for aqueous rechargeable Ni/Fe battery applications. Chemical Engineering Journal, 2018, 354, 672-679.	12.7	22
43	Cobalt-Containing Nanoporous Nitrogen-Doped Carbon Nanocuboids from Zeolite Imidazole Frameworks for Supercapacitors. Nanomaterials, 2019, 9, 1110.	4.1	21
44	Enabling Reversible MnO₂/Mn²⁺ Transformation by Al³⁺ Addition for Aqueous Znâ€“MnO₂ Hybrid Batteries. ACS Applied Materials & Interfaces, 2022, 14, 10526-10534.	8.0	20
45	Highly loaded manganese oxide with high rate capability for capacitive applications. Journal of Power Sources, 2018, 396, 238-245.	7.8	19
46	Protonating imine sites of polyaniline for aqueous zinc batteries. Chemical Communications, 2022, 58, 1693-1696.	4.1	17
47	The Graphene/l-Cysteine/Gold-Modified Electrode for the Differential Pulse Stripping Voltammetry Detection of Trace Levels of Cadmium. Micromachines, 2016, 7, 103.	2.9	16
48	Nitrogen-doped carbon â€œspider websâ€•derived from pyrolysis of polyaniline nanofibers in ammonia for capacitive energy storage. Journal of Materials Research, 2018, 33, 1109-1119.	2.6	16
49	Electrochemical deposition of honeycomb magnetite on partially exfoliated graphite as anode for capacitive applications. Journal of Power Sources, 2017, 359, 57-63.	7.8	14
50	Flow Characteristics in Volute of a Double-Suction Centrifugal Pump with Different Impeller Arrangements. Energies, 2019, 12, 669.	3.1	13
51	The energy storage behavior of a phosphate-based cathode material in rechargeable zinc batteries. Chemical Communications, 2021, 57, 6253-6256.	4.1	10
52	3D Exfoliated Carbon Paper toward Highly Loaded Aqueous Energy Storage Applications. Energy Technology, 2019, 7, 1900892.	3.8	9
53	Study on radial force characteristics of double-suction centrifugal pumps with different impeller arrangements under cavitation condition. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2021, 235, 421-431.	1.4	9
54	Mixed-valence manganese oxide/reduced graphene oxide composites with enhanced pseudocapacitive performance. Journal of Materials Science, 2022, 57, 563-575.	3.7	9

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55	Hybrid Iron Oxide on Threeâ€Ðimensional Exfoliated Graphite Electrode with Ultrahigh Capacitance for Energy Storage Applications. ChemElectroChem, 2018, 5, 1501-1508.	3.4	8
56	An Electrochemical Sensor System with Renewable Copper Nano-clusters Modified Electrode for Continuous Nitrate Determination. IEEE Sensors Journal, 2016, , 1-1.	4.7	6
57	Inhibiting VOPO₄â‹…xâ€‰H₂O Decomposition and Dissolution in Rechargeable Aqueous Zinc Batteries to Promote Voltage and Capacity Stabilities. Angewandte Chemie, 2019, 131, 16203-16207.	2.0	6
58	Boosting the capacitive performance of hierarchical cobalt molybdate hybrid electrodes for asymmetric supercapacitors. Journal of Materials Science, 2021, 56, 10965-10978.	3.7	6
59	Determination of Nitrate in Potable Water Using a Miniaturized Electrochemical Sensor. , 2018, , .		3
60	Health Monitoring: Human Pulse Diagnosis for Medical Assessments Using a Wearable Piezoelectret Sensing System (Adv. Funct. Mater. 40/2018). Advanced Functional Materials, 2018, 28, 1870292.	14.9	2
61	A method of hydrophobically modifying paper with a trace reagent. BioResources, 2022, 17, 384-399.	1.0	1
62	Smartphone-controlled Electrochemical Sensor for Copper Detection*. , 2020, , .		0