

Yu Song

List of Publications by Year in descending order

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62
papers

5,308
citations

136950

32
h-index

123424

61
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all docs

63
docs citations

63
times ranked

7018
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed-valence manganese oxide/reduced graphene oxide composites with enhanced pseudocapacitive performance. <i>Journal of Materials Science</i> , 2022, 57, 563-575.	3.7	9
2	Protonating imine sites of polyaniline for aqueous zinc batteries. <i>Chemical Communications</i> , 2022, 58, 1693-1696.	4.1	17
3	Enabling Reversible MnO ₂ /Mn ²⁺ Transformation by Al ³⁺ Addition for Aqueous Zn ²⁺ /MnO ₂ Hybrid Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 10526-10534.	8.0	20
4	Decavanadate Doped Polyaniline for Aqueous Zinc Batteries. <i>Small</i> , 2022, 18, e2107689.	10.0	32
5	A method of hydrophobically modifying paper with a trace reagent. <i>BioResources</i> , 2022, 17, 384-399.	1.0	1
6	Study on radial force characteristics of double-suction centrifugal pumps with different impeller arrangements under cavitation condition. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2021, 235, 421-431.	1.4	9
7	Ammonium Ion Storage Using Electrodeposited Manganese Oxides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5718-5722.	13.8	155
8	The energy storage behavior of a phosphate-based cathode material in rechargeable zinc batteries. <i>Chemical Communications</i> , 2021, 57, 6253-6256.	4.1	10
9	Ammonium Ion Storage Using Electrodeposited Manganese Oxides. <i>Angewandte Chemie</i> , 2021, 133, 5782-5786.	2.0	26
10	Boosting the capacitive performance of hierarchical cobalt molybdate hybrid electrodes for asymmetric supercapacitors. <i>Journal of Materials Science</i> , 2021, 56, 10965-10978.	3.7	6
11	A Manganese Phosphate Cathode for Long-Life Aqueous Energy Storage. <i>Advanced Functional Materials</i> , 2021, 31, 2100477.	14.9	31
12	Electrochemical <i>in situ</i> construction of vanadium oxide heterostructures with boosted pseudocapacitive charge storage. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1176-1183.	10.3	43
13	Activating the Highly Reversible Mo ⁴⁺ /Mo ⁵⁺ Redox Couple in Amorphous Molybdenum Oxide for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48565-48571.	8.0	28
14	A Review on Nano-/Microstructured Materials Constructed by Electrochemical Technologies for Supercapacitors. <i>Nano-Micro Letters</i> , 2020, 12, 118.	27.0	146
15	A Novel Electrochemical Sensor Based on Electropolymerized Ion Imprinted PoPD/ERGO Composite for Trace Cd(II) Determination in Water. <i>Sensors</i> , 2020, 20, 1004.	3.8	25
16	Smartphone-controlled Electrochemical Sensor for Copper Detection*. , 2020, , .		0
17	Cobalt-Containing Nanoporous Nitrogen-Doped Carbon Nanocuboids from Zeolite Imidazole Frameworks for Supercapacitors. <i>Nanomaterials</i> , 2019, 9, 1110.	4.1	21
18	A Zn(ClO ₄) ₂ Electrolyte Enabling Long-Life Zinc Metal Electrodes for Rechargeable Aqueous Zinc Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42000-42005.	8.0	111

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19	Inhibiting VOPO ₄ ... <i>x</i> ...H ₂ O Decomposition and Dissolution in Rechargeable Aqueous Zinc Batteries to Promote Voltage and Capacity Stabilities. <i>Angewandte Chemie</i> , 2019, 131, 16203-16207.	2.0	6
20	Inhibiting VOPO ₄ ... <i>x</i> ...H ₂ O Decomposition and Dissolution in Rechargeable Aqueous Zinc Batteries to Promote Voltage and Capacity Stabilities. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16057-16061.	13.8	125
21	3D Exfoliated Carbon Paper toward Highly Loaded Aqueous Energy Storage Applications. <i>Energy Technology</i> , 2019, 7, 1900892.	3.8	9
22	Flow Characteristics in Volute of a Double-Suction Centrifugal Pump with Different Impeller Arrangements. <i>Energies</i> , 2019, 12, 669.	3.1	13
23	A Flexible Piezoelectret Actuator/Sensor Patch for Mechanical Human-Machine Interfaces. <i>ACS Nano</i> , 2019, 13, 7107-7116.	14.6	137
24	Boosting the pseudocapacitance of nitrogen-rich carbon nanorod arrays for electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12086-12094.	10.3	32
25	Strongly coupled polypyrrole/molybdenum oxide hybrid films <i>via</i> electrochemical layer-by-layer assembly for pseudocapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9815-9821.	10.3	28
26	Porous Polypyrrole/Graphene Oxide Functionalized with Carboxyl Composite for Electrochemical Sensor of Trace Cadmium (II). <i>Journal of the Electrochemical Society</i> , 2019, 166, B95-B102.	2.9	42
27	Hybrid Iron Oxide on Three-Dimensional Exfoliated Graphite Electrode with Ultrahigh Capacitance for Energy Storage Applications. <i>ChemElectroChem</i> , 2018, 5, 1501-1508.	3.4	8
28	Nitrogen-doped carbon "spider webs" derived from pyrolysis of polyaniline nanofibers in ammonia for capacitive energy storage. <i>Journal of Materials Research</i> , 2018, 33, 1109-1119.	2.6	16
29	High Mass Loading MnO ₂ with Hierarchical Nanostructures for Supercapacitors. <i>ACS Nano</i> , 2018, 12, 3557-3567.	14.6	447
30	Three-dimensional carbon architectures for electrochemical capacitors. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 529-545.	9.4	67
31	Determination of Nitrate in Potable Water Using a Miniaturized Electrochemical Sensor. , 2018, , .		3
32	Health Monitoring: Human Pulse Diagnosis for Medical Assessments Using a Wearable Piezoelectret Sensing System (<i>Adv. Funct. Mater.</i> 40/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870292.	14.9	2
33	A Long-Cycle-Life Self-Doped Polyaniline Cathode for Rechargeable Aqueous Zinc Batteries. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16359-16363.	13.8	346
34	A Long-Cycle-Life Self-Doped Polyaniline Cathode for Rechargeable Aqueous Zinc Batteries. <i>Angewandte Chemie</i> , 2018, 130, 16597-16601.	2.0	107
35	Engineering of Mesoscale Pores in Balancing Mass Loading and Rate Capability of Hematite Films for Electrochemical Capacitors. <i>Advanced Energy Materials</i> , 2018, 8, 1801784.	19.5	97
36	VO _x @MoO ₃ Nanorod Composite for High-Performance Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1803901.	14.9	52

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37	Human Pulse Diagnosis for Medical Assessments Using a Wearable Piezoelectret Sensing System. <i>Advanced Functional Materials</i> , 2018, 28, 1803413.	14.9	151
38	Morphology engineering of electro-deposited iron oxides for aqueous rechargeable Ni/Fe battery applications. <i>Chemical Engineering Journal</i> , 2018, 354, 672-679.	12.7	22
39	Highly loaded manganese oxide with high rate capability for capacitive applications. <i>Journal of Power Sources</i> , 2018, 396, 238-245.	7.8	19
40	Amorphous Mixed-Valence Vanadium Oxide/Exfoliated Carbon Cloth Structure Shows a Record High Cycling Stability. <i>Small</i> , 2017, 13, 1700067.	10.0	119
41	Electrochemical Growth of Polyaniline Nanowire Arrays on Graphene Sheets in Partially Exfoliated Graphite Foil for High-Performance Supercapacitive Materials. <i>Electrochimica Acta</i> , 2017, 240, 72-79.	5.2	27
42	Metal organic frameworks with immobilized nanoparticles: Synthesis and applications in photocatalytic hydrogen generation and energy storage. <i>Materials Research Bulletin</i> , 2017, 96, 385-394.	5.2	50
43	Electrochemical deposition of honeycomb magnetite on partially exfoliated graphite as anode for capacitive applications. <i>Journal of Power Sources</i> , 2017, 359, 57-63.	7.8	14
44	Paper-Based Electrodes for Flexible Energy Storage Devices. <i>Advanced Science</i> , 2017, 4, 1700107.	11.2	361
45	Morphology and Doping Engineering of Sn-Doped Hematite Nanowire Photoanodes. <i>Nano Letters</i> , 2017, 17, 2490-2495.	9.1	204
46	Rate capability improvement of Co ²⁺ /Ni double hydroxides integrated in cathodically partially exfoliated graphite. <i>Journal of Power Sources</i> , 2017, 365, 126-133.	7.8	29
47	Revitalizing carbon supercapacitor electrodes with hierarchical porous structures. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17705-17733.	10.3	464
48	Balancing the electrical double layer capacitance and pseudocapacitance of hetero-atom doped carbon. <i>Nanoscale</i> , 2017, 9, 13119-13127.	5.6	108
49	Ostwald Ripening Improves Rate Capability of High Mass Loading Manganese Oxide for Supercapacitors. <i>ACS Energy Letters</i> , 2017, 2, 1752-1759.	17.4	146
50	3D printed functional nanomaterials for electrochemical energy storage. <i>Nano Today</i> , 2017, 15, 107-120.	11.9	302
51	The Graphene/l-Cysteine/Gold-Modified Electrode for the Differential Pulse Stripping Voltammetry Detection of Trace Levels of Cadmium. <i>Micromachines</i> , 2016, 7, 103.	2.9	16
52	Tri-layered graphite foil for electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7683-7688.	10.3	43
53	High energy density of polymer nanocomposites at a low electric field induced by modulation of their topological-structure. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8359-8365.	10.3	137
54	Rate capability improvement of polypyrrole via integration with functionalized commercial carbon cloth for pseudocapacitor. <i>Journal of Power Sources</i> , 2016, 324, 788-797.	7.8	72

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55	An Electrochemical Sensor System with Renewable Copper Nano-clusters Modified Electrode for Continuous Nitrate Determination. <i>IEEE Sensors Journal</i> , 2016, , 1-1.	4.7	6
56	Pushing the Cycling Stability Limit of Polypyrrole for Supercapacitors. <i>Advanced Functional Materials</i> , 2015, 25, 4626-4632.	14.9	234
57	Integration of nickel-cobalt double hydroxide nanosheets and polypyrrole films with functionalized partially exfoliated graphite for asymmetric supercapacitors with improved rate capability. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14712-14720.	10.3	65
58	Large d_{33} and enhanced ferroelectric/dielectric properties of poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td nanofibers. <i>RSC Advances</i> , 2015, 5, 51302-51307.	3.6	33
59	Controlled partial-exfoliation of graphite foil and integration with MnO ₂ nanosheets for electrochemical capacitors. <i>Nanoscale</i> , 2015, 7, 3581-3587.	5.6	91
60	Ordered Polypyrrole Nanowire Arrays Grown on a Carbon Cloth Substrate for a High-Performance Pseudocapacitor Electrode. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25506-25513.	8.0	92
61	Electrochemical anchoring of dual doping polypyrrole on graphene sheets partially exfoliated from graphite foil for high-performance supercapacitor electrode. <i>Journal of Power Sources</i> , 2014, 249, 48-58.	7.8	154
62	Electrochemical Codeposition of Vanadium Oxide and Polypyrrole for High-Performance Supercapacitor with High Working Voltage. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 12656-12664.	8.0	120