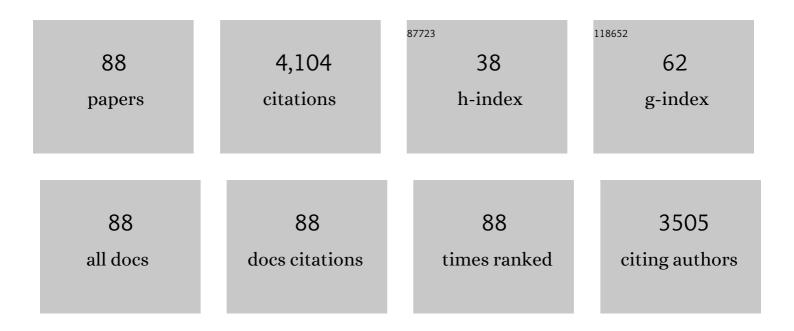
List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Stacked bidirectional <scp>LSTM RNN</scp> to evaluate the remaining useful life of supercapacitor. International Journal of Energy Research, 2022, 46, 3034-3043. | 2.2 | 73 |
| 2 | Emerging Internet of Things driven carbon nanotubes-based devices. Nano Research, 2022, 15, 4613-4637. | 5.8 | 23 |
| 3 | Applications of nanogenerators for biomedical engineering and healthcare systems. InformaÄnÃ- Materiály, 2022, 4, . | 8.5 | 45 |
| 4 | Data-Driven ICA-Bi-LSTM-Combined Lithium Battery SOH Estimation. Mathematical Problems in Engineering, 2022, 2022, 1-8. | 0.6 | 24 |
| 5 | Temperature prediction of lithiumâ€ion batteries based on electrochemical impedance spectrum: A review. International Journal of Energy Research, 2022, 46, 10372-10388. | 2.2 | 51 |
| 6 | State of health estimation of lithium-ion battery based on improved ant lion optimization and support vector regression. Journal of Energy Storage, 2022, 50, 104215. | 3.9 | 127 |
| 7 | Aging state prediction for supercapacitors based on heuristic kalman filter optimization extreme learning machine. Energy, 2022, 250, 123773. | 4.5 | 61 |
| 8 | A comprehensive review on the state of charge estimation for lithiumâ€ion battery based on neural network. International Journal of Energy Research, 2022, 46, 5423-5440. | 2.2 | 157 |
| 9 | Prediction of the Remaining Useful Life of Supercapacitors. Mathematical Problems in Engineering, 2022, 2022, 1-8. | 0.6 | 31 |
| 10 | Hybrid Methods Using Neural Network and Kalman Filter for the State of Charge Estimation of Lithium-Ion Battery. Mathematical Problems in Engineering, 2022, 2022, 1-11. | 0.6 | 41 |
| 11 | Strong robustness and high accuracy in predicting remaining useful life of supercapacitors. APL Materials, 2022, 10, . | 2.2 | 52 |
| 12 | Facile fabrication of nanoscale hierarchical porous zeolitic imidazolate frameworks for enhanced toluene adsorption capacity. Rare Metals, 2021, 40, 471-477. | 3.6 | 16 |
| 13 | MnFe2O4 nanoparticles promoted electrochemical oxidation coupling with persulfate activation for tetracycline degradation. Separation and Purification Technology, 2021, 255, 117690. | 3.9 | 106 |
| 14 | Waste Plastic Triboelectric Nanogenerators Using Recycled Plastic Bags for Power Generation. ACS Applied Materials & Interfaces, 2021, 13, 400-410. | 4.0 | 116 |
| 15 | Integrated energy storage system based on triboelectric nanogenerator in electronic devices. Frontiers of Chemical Science and Engineering, 2021, 15, 238-250. | 2.3 | 86 |
| 16 | State of Charge Estimation of Composite Energy Storage Systems with Supercapacitors and Lithium Batteries. Complexity, 2021, 2021, 1-15. | 0.9 | 31 |
| 17 | Flexible PVDF nanogenerator-driven motion sensors for human body motion energy tracking and monitoring. Journal of Materials Science: Materials in Electronics, 2021, 32, 14715-14727. | 1.1 | 62 |
| 18 | Li-ionic control of magnetism through spin capacitance and conversion. Matter, 2021, 4, 3605-3620. | 5.0 | 18 |

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| 19 | State-of-charge estimation and remaining useful life prediction of supercapacitors. Renewable and Sustainable Energy Reviews, 2021, 150, 111408. | 8.2 | 113 |
| 20 | Review of autonomous inspection technology for power lines using UAVs. , 2021, , . | | 4 |
| 21 | Design and implementation of wearable oxygen saturation monitoring system. , 2021, , . | | 6 |
| 22 | An Accelerated Error Convergence Design Criterion and Implementation of Lebesgue-p Norm ILC Control Topology for Linear Position Control Systems. Mathematical Problems in Engineering, 2021, 2021, 1-12. | 0.6 | 11 |
| 23 | Bidirectional LSTM RNN for precise predict remaining useful life of supercapacitors. , 2021, , . | | 0 |
| 24 | Heteroatoms in situ-doped hierarchical porous hollow-activated carbons for high-performance supercapacitor. Carbon Letters, 2020, 30, 331-344. | 3.3 | 15 |
| 25 | Hybrid genetic algorithm method for efficient and robust evaluation of remaining useful life of supercapacitors. Applied Energy, 2020, 260, 114169. | 5.1 | 142 |
| 26 | State of Charge (SOC) Estimation of Lithium-ion Battery Based on Adaptive Square Root Unscented Kalman Filter. International Journal of Electrochemical Science, 2020, 15, 9499-9516. | 0.5 | 73 |
| 27 | Room-Temperature Rapid Synthesis of Two-Dimensional Metal–Organic Framework Nanosheets with Tunable Hierarchical Porosity for Enhanced Adsorption Desulfurization Performance. Industrial & Engineering Chemistry Research, 2020, 59, 18857-18864. | 1.8 | 78 |
| 28 | One-Pot Synthesis and High Electrochemical Performance of CuS/Cu1.8S Nanocomposites as Anodes for Lithium-Ion Batteries. Materials, 2020, 13, 3797. | 1.3 | 13 |
| 29 | An Improved SOC Control Strategy for Electric Vehicle Hybrid Energy Storage Systems. Energies, 2020, 13, 5297. | 1.6 | 69 |
| 30 | Stability of Two Weakly Coupled Elastic Beams with Partially Local Damping. Mathematical Problems in Engineering, 2020, 2020, 1-9. | 0.6 | 0 |
| 31 | Enhanced photocatalytic performance of BiVO4 for degradation of methylene blue under LED visible light irradiation assisted by peroxymonosulfate. International Journal of Electrochemical Science, 2020, 15, 2470-2480. | 0.5 | 71 |
| 32 | A thermally flexible and multi-site tactile sensor for remote 3D dynamic sensing imaging. Frontiers of Chemical Science and Engineering, 2020, 14, 1039-1051. | 2.3 | 56 |
| 33 | A Distributed Inter-Phase Coordination Algorithm for Voltage Control With Unbalanced PV Integration in LV Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 2687-2697. | 5.9 | 44 |
| 34 | Online State of Charge Estimation of Lithium-Ion Cells Using Particle Filter-Based Hybrid Filtering Approach. Complexity, 2020, 2020, 1-10. | 0.9 | 22 |
| 35 | Intrinsic Defect-Rich Hierarchically Porous Carbon Architectures Enabling Enhanced Capture and Catalytic Conversion of Polysulfides. ACS Nano, 2020, 14, 6222-6231. | 7.3 | 89 |
| 36 | Research Progress and Prospect of Triboelectric Nanogenerators as Self-Powered Human Body Sensors. ACS Applied Electronic Materials, 2020, 2, 863-878. | 2.0 | 75 |

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| 37 | Femtosecond laser manipulating underoil surface wettability for water removal from oil. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 601, 125030. | 2.3 | 11 |
| 38 | The application of hierarchy MoS ₂ particles for NIR induced drug delivery towards liver cancer treatment. Materials Research Express, 2020, 7, 105014. | 0.8 | 4 |
| 39 | MnSe2/Se Composite Nanobelts as an Improved Performance Anode for Lithium Storage. International Journal of Electrochemical Science, 2019, , 6000-6008. | 0.5 | 14 |
| 40 | Experimental study of thermal charge–discharge behaviors of pouch lithium-ion capacitors. Journal of Energy Storage, 2019, 25, 100902. | 3.9 | 23 |
| 41 | Attitude Tracking of Enhanced Flexible Hybrid Nanogenerator in Human-computer Interaction. , 2019, , . | | 0 |
| 42 | Intelligent Nano-Ground Based on Triboelctric Nanogenerator for Motion Tracking. , 2019, , . | | 1 |
| 43 | Life Prediction of Hybrid Supercapacitor Based on Improved Model-Extreme Learning Machine. , 2019, , . | | 2 |
| 44 | Voltage regulation challenges with unbalanced PV integration in low voltage distribution systems and the corresponding solution. Applied Energy, 2019, 256, 113927. | 5.1 | 53 |
| 45 | Remaining useful life prediction for supercapacitor based on long short-term memory neural network. Journal of Power Sources, 2019, 440, 227149. | 4.0 | 156 |
| 46 | Nanoporous Cu@Cu ₂ O hybrid arrays enable photo-assisted supercapacitor with enhanced capacities. Journal of Materials Chemistry A, 2019, 7, 15691-15697. | 5.2 | 66 |
| 47 | Application Research of Chaotic Carrier Frequency Modulation Technology in Two-Stage Matrix Converter. Mathematical Problems in Engineering, 2019, 2019, 1-8. | 0.6 | 20 |
| 48 | Multi-Objective Electric Truck Path Optimization Model with Time Window. , 2019, , . | | 0 |
| 49 | Triboelectric Nanogenerator: A Hope to Collect Blue Energy. , 2019, , . | | 2 |
| 50 | Investigation of Var Compensation Schemes in Unbalanced Distribution Systems. Complexity, 2019, 2019, 1-13. | 0.9 | 3 |
| 51 | Triboelectric Nanogenerator and Integration with ${\sf Electrochemical}$ Microsupercapacitor. , 2019, , . | | 0 |
| 52 | Preparation and application of carbon nanotubes flexible sensors. Journal of Semiconductors, 2019, 40, 111606. | 2.0 | 13 |
| 53 | Structural and chemical synergistic effect of NiCo2S4 nanoparticles and carbon cloth for high performance binder-free asymmetric supercapacitors. Applied Surface Science, 2019, 465, 635-642. | 3.1 | 57 |
| 54 | Structural Design and Electrochemical Performance of PANI/CNTs and MnO ₂ /CNTs Supercapacitor. Science of Advanced Materials, 2019, 11, 1079-1086. | 0.1 | 72 |

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| 55 | Electrode Preparation and Properties of Hybrid Supercapacitors by the Method of Microwave Heating. Science of Advanced Materials, 2019, 11, 1072-1078. | 0.1 | 5 |
| 56 | The Literature Review on Control Methods of SOH and SOC for Supercapacitors. , 2019, , . | | 3 |
| 57 | Real-Time Coordinated Voltage Control of PV Inverters and Energy Storage for Weak Networks With High PV Penetration. IEEE Transactions on Power Systems, 2018, 33, 3383-3395. | 4.6 | 149 |
| 58 | Synthesis of hydrophobic carbon nanotubes/reduced graphene oxide composite films by flash light irradiation. Frontiers of Chemical Science and Engineering, 2018, 12, 376-382. | 2.3 | 152 |
| 59 | Voltage Management for Large Scale PV Integration into Weak Distribution Systems. IEEE Transactions on Smart Grid, 2018, 9, 4128-4139. | 6.2 | 53 |
| 60 | Porous worm-like NiMoO4 coaxially decorated electrospun carbon nanofiber as binder-free electrodes for high performance supercapacitors and lithium-ion batteries. Applied Surface Science, 2018, 434, 49-56. | 3.1 | 64 |
| 61 | Synthesis of Porous Carbon by Activation Method and its Electrochemical Performance. International Journal of Electrochemical Science, 2018, 13, 10766-10773. | 0.5 | 65 |
| 62 | Two-step Synthesis and Characterization of MnCo2O4 Composite and its Electrochemical Performance. International Journal of Electrochemical Science, 2018, 13, 10207-10216. | 0.5 | 7 |
| 63 | Double Core–Shell Si@C@SiO ₂ for Anode Material of Lithiumâ€ŀon Batteries with Excellent Cycling Stability. Chemistry - A European Journal, 2017, 23, 2165-2170. | 1.7 | 62 |
| 64 | Flexible carbon nanofiber mats with improved graphitic structure as scaffolds for efficient all-solid-state supercapacitor. Electrochimica Acta, 2017, 247, 1060-1071. | 2.6 | 34 |
| 65 | High capacitive performance of hollow activated carbon fibers derived from willow catkins. Applied Surface Science, 2017, 394, 569-577. | 3.1 | 76 |
| 66 | Fuzzy logic-based control strategy for a battery/supercapacitor hybrid energy storage system in electric vehicles. , 2017, , . | | 11 |
| 67 | Characteristics analysis of ultracapacitor-battery hybrid energy storage system. , 2017, , . | | 7 |
| 68 | Reliability analysis of subway vehicles based on the data of operational failures. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, . | 1.5 | 4 |
| 69 | Research on hierarchical control strategy of hybrid energy storage system in microgrid. , 2017, , . | | 1 |
| 70 | Research on fuzzy PID control for permanent magnet synchronous motor. , 2017, , . | | 2 |
| 71 | A review of modeling research on supercapacitor. , 2017, , . | | 10 |
| 72 | A modified model of supercapacitors and its thermal behavior research. , 2017, , . | | 1 |

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| 73 | Electrodeposition Synthesis of PANI/MnO2/Graphene Composite Materials and its Electrochemical Performance. International Journal of Electrochemical Science, 2017, 12, 8306-8314. | 0.5 | 103 |
| 74 | Improvement in dynamic stability of self-excited induction generator with short-shunt capacitors. , 2015, , . | | 0 |
| 75 | Preparation and electrochemical characteristics of electrospun water-soluble resorcinol/phenol-formaldehyde resin-based carbon nanofibers. RSC Advances, 2015, 5, 40884-40891. | 1.7 | 15 |
| 76 | Promising biomass-based activated carbons derived from willow catkins for high performance supercapacitors. Electrochimica Acta, 2015, 166, 1-11. | 2.6 | 386 |
| 77 | Synthesis of nitrogen-doped electrospun carbon nanofibers with superior performance as efficient supercapacitor electrodes in alkaline solution. Electrochimica Acta, 2015, 185, 40-51. | 2.6 | 68 |
| 78 | Thermal Modelling Analysis of Spiral Wound Supercapacitor under Constant-Current Cycling. PLoS ONE, 2015, 10, e0138672. | 1.1 | 31 |
| 79 | The preparation of nickel oxide based on infinite dilute method and its electrochemical performance. Russian Journal of Electrochemistry, 2014, 50, 176-179. | 0.3 | 8 |
| 80 | Preparation of Electrode Based on Plasma Modification and Its Electrochemical Application. Journal of Materials Engineering and Performance, 2014, 23, 588-592. | 1.2 | 19 |
| 81 | Nitrogen-doped graphene for supercapacitor with long-term electrochemical stability. Energy, 2014, 70, 612-617. | 4.5 | 185 |
| 82 | Synthesis of nitrogen-doped graphene via solid microwave method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 185, 129-133. | 1.7 | 8 |
| 83 | The thermal analysis on the stackable supercapacitor. Energy, 2013, 59, 440-444. | 4.5 | 61 |
| 84 | The Preparation of Nickel Hydroxide Based on Infinite Dilute Method and Its Electrochemical Performance. Electrochemistry, 2013, 81, 259-261. | 0.6 | 11 |
| 85 | A Numerical Controlled Constant Current Source Based on Power MOSFET. Applied Mechanics and Materials, 2012, 241-244, 1859-1862. | 0.2 | 0 |
| 86 | Electrochemical Properties of PANI/CNTs Composites Modified by Oxygen Plasma. Advanced Materials Research, 0, 306-307, 1635-1639. | 0.3 | 0 |
| 87 | A New Power Allocation Strategy of Supercapacitor/Battery Hybrid Energy Storage System for Electric Vehicles. Advanced Materials Research, 0, 724-725, 1389-1392. | 0.3 | 0 |
| 88 | Research progress and prospect of hybrid supercapacitors as boosting the performance. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-18. | 1.2 | 5 |