Wei Li

List of Publications by Year
in descending order

47 papers	970 citations	448610 19 h-index	511568 30 g-index
47 all docs	47 docs citations	47 times ranked	589 citing authors

#	Article	IF	Citations
1	Risk-based design optimization under hybrid uncertainties. Engineering With Computers, 2022, 38, 2037-2049.	3.5	9
2	Multidisciplinary robust design optimization considering parameter and metamodeling uncertainties. Engineering With Computers, 2022, 38, 191-208.	3.5	25
3	A Hybrid Convolutional Neural Network-Long Short Term Memory for Discharge Capacity Estimation of Lithium-Ion Batteries. Journal of Electrochemical Energy Conversion and Storage, 2022, 19, .	1.1	8
4	Energy Saving Design Optimization of CNC Machine Tool Feed System: A Data-Model Hybrid Driven Approach. IEEE Transactions on Automation Science and Engineering, 2022, 19, 3809-3820.	3.4	5
5	Application of Decomposition and Coordination Optimization Methodology in Reliability Allocation of Systems. IEEE Access, 2022, 10, 10251-10258.	2.6	0
6	An adaptive boosting charging strategy optimization based on thermoelectric-aging model, surrogates and multi-objective optimization. Applied Energy, 2022, 312, 118795.	5.1	25
7	A battery centralized scheduling strategy for battery swapping of electric vehicles. Journal of Energy Storage, 2022, 51, 104327.	3.9	14
8	Computational Fluid Dynamics-Based Numerical Analysis for Studying the Effect of Mini-Channel Cooling Plate, Flow Characteristics, and Battery Arrangement for Cylindrical Lithium-Ion Battery Pack. Journal of Electrochemical Energy Conversion and Storage, 2022, 19, .	1.1	4
9	Optimization of an induction motor for loss reduction considering manufacturing tolerances. Structural and Multidisciplinary Optimization, 2022, 65, .	1.7	2
10	A New Approach to Solve Uncertain Multidisciplinary Design Optimization Based on Conditional Value at Risk. IEEE Transactions on Automation Science and Engineering, 2021, 18, 356-368.	3.4	23
11	Multidisciplinary optimal design of prismatic lithium–ion battery with an improved thermal management system for electric vehicles. Energy Storage, 2021, 3, e217.	2.3	3
12	Surrogate model–based heat dissipation optimization of air–cooling battery packs involving herringbone fins. International Journal of Energy Research, 2021, 45, 8508-8523.	2.2	25
13	Mini-Channel Liquid Cooling System for Improving Heat Transfer Capacity and Thermal Uniformity in Battery Packs for Electric Vehicles. Journal of Electrochemical Energy Conversion and Storage, 2021, 18, .	1.1	9
14	A Novel Approach Investigating the Remaining Useful Life Predication of Retired Power Lithium-Ion Batteries Using Genetic Programming Method. Journal of Electrochemical Energy Conversion and Storage, 2021, 18, .	1.1	6
15	Application of digital twins to the product lifecycle management of battery packs of electric vehicles. IET Collaborative Intelligent Manufacturing, 2021, 3, 356-366.	1.9	7
16	A Computational Fluid Dynamics Coupled Multi-Objective Optimization Framework for Thermal System Design for Li-Ion Batteries With Metal Separators. Journal of Electrochemical Energy Conversion and Storage, 2021, 18, .	1.1	10
17	Energy Consumption Prediction of a CNC Machining Process With Incomplete Data. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 987-1000.	8.5	29
18	Effect analysis on performance enhancement of a novel air cooling battery thermal management system with spoilers. Applied Thermal Engineering, 2021, 192, 116932.	3.0	71

#	Article	IF	Citations
19	Heat dissipation optimization for a serpentine liquid cooling battery thermal management system: An application of surrogate assisted approach. Journal of Energy Storage, 2021, 40, 102771.	3.9	62
20	Multi-objective design optimization of battery thermal management system for electric vehicles. Applied Thermal Engineering, 2021, 196, 117235.	3.0	42
21	Heat dissipation analysis and multi-objective optimization of a permanent magnet synchronous motor using surrogate assisted method. Case Studies in Thermal Engineering, 2021, 27, 101203.	2.8	20
22	Optimization for Liquid Cooling Cylindrical Battery Thermal Management System Based on Gaussian Process Model. Journal of Thermal Science and Engineering Applications, 2021, 13, .	0.8	30
23	Multidisciplinary robust design optimization under parameter and model uncertainties. Engineering Optimization, 2020, 52, 426-445.	1.5	22
24	Electrochemical performance investigation of LiFePO4/C0.15-x (x=0.05, 0.1, 0.15 CNTs) electrodes at various calcination temperatures: Experimental and Intelligent Modelling approach. Electrochimica Acta, 2020, 330, 135314.	2.6	33
25	Intelligent optimization methodology of battery pack for electric vehicles: A multidisciplinary perspective. International Journal of Energy Research, 2020, 44, 9686-9706.	2.2	31
26	A framework based on big data for intelligent monitoring of battery packs. IOP Conference Series: Earth and Environmental Science, 2020, 463, 012158.	0.2	4
27	Illustration of experimental, machine learning, and characterization methods for study of performance of Liâ€ion batteries. International Journal of Energy Research, 2020, 44, 9513-9526.	2.2	15
28	Battery Thermal Management System Design: Role of Influence of Nanofluids, Flow Directions, and Channels. Journal of Electrochemical Energy Conversion and Storage, 2020, 17, .	1.1	10
29	Heat Transfer Efficiency Enhancement of Lithium-Ion Battery Packs by Using Novel Design of Herringbone Fins. Journal of Electrochemical Energy Conversion and Storage, 2020, 17, .	1.1	18
30	A Comprehensive Approach for the Clustering of Similar-Performance Cells for the Design of a Lithium-Ion Battery Module for Electric Vehicles. Engineering, 2019, 5, 795-802.	3.2	56
31	Evaluation of batteries residual energy for battery pack recycling: Proposition of stack stress-coupled-AI approach. Journal of Energy Storage, 2019, 26, 101001.	3.9	20
32	Conditional Value at Riskbased Multidisciplinary Robust Design Optimization. , 2019, , .		3
33	Maximum variation analysis based analytical target cascading for multidisciplinary robust design optimization under interval uncertainty. Advanced Engineering Informatics, 2019, 40, 81-92.	4.0	22
34	Evolutionary framework design in formulation of decision support models for production emissions and net profit of firm: Implications on environmental concerns of supply chains. Journal of Cleaner Production, 2019, 231, 1136-1148.	4.6	4
35	Multiâ€objective design optimization for miniâ€channel cooling battery thermal management system in an electric vehicle. International Journal of Energy Research, 2019, 43, 3668-3680.	2.2	85
36	An effective method for quantifying and incorporating uncertainty in metamodel selection. Journal of Mechanical Science and Technology, 2019, 33, 1279-1291.	0.7	2

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37	Maximization of extraction of Cadmium and Zinc during recycling of spent battery mix: An application of combined genetic programming and simulated annealing approach. Journal of Cleaner Production, 2019, 218, 130-140.	4.6	10
38	A set strategy approach for multidisciplinary robust design optimization under interval uncertainty. Advances in Mechanical Engineering, 2019, 11, 168781401882038.	0.8	5
39	A surrogate thermal modeling and parametric optimization of battery pack with air cooling for EVs. Applied Thermal Engineering, 2019, 147, 90-100.	3.0	124
40	Improved collaboration pursuing method for multidisciplinary robust design optimization. Structural and Multidisciplinary Optimization, 2019, 59, 1949-1968.	1.7	19
41	Mode Pursuing Sampling Method for Multidisciplinary Deisgn Optimization in Ship Conceptual Design. , 2018, , .		0
42	Robust Analytical Target Cascading Method for Multidisciplinary Design Optimization under Uncertainty. , 2018, , .		0
43	Multidisciplinary robust design optimization based on time-varying sensitivity analysis. Journal of Mechanical Science and Technology, 2018, 32, 1195-1207.	0.7	30
44	Multidisciplinary design optimization under correlated uncertainties. Concurrent Engineering Research and Applications, 2017, 25, 262-275.	2.0	5
45	Reliability-Based Multidisciplinary Design Optimization under Correlated Uncertainties. Mathematical Problems in Engineering, 2017, 2017, 1-12.	0.6	1
46	Multidisciplinary reliability design optimization under time-varying uncertainties. Advances in Mechanical Engineering, 2016, 8, 168781401668017.	0.8	1
47	A Spatial-Random-Process Based Multidisciplinary System Uncertainty Propagation Approach With Model Uncertainty. Journal of Mechanical Design, Transactions of the ASME, 2015, 137, .	1.7	21