

Zeyi Sun

List of Publications by Year in descending order

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48
papers

838
citations

567144

15
h-index

501076

28
g-index

48
all docs

48
docs citations

48
times ranked

759
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible energy load identification in intelligent manufacturing for demand response using a neural network integrated particle swarm optimization. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 1943-1959.	1.1	3
2	Joint control of manufacturing and onsite microgrid system via novel neural-network integrated reinforcement learning algorithms. Applied Energy, 2022, 315, 118982.	5.1	6
3	Improving covariance-regularized discriminant analysis for EHR-based predictive analytics of diseases. Applied Intelligence, 2021, 51, 377-395.	3.3	5
4	CRLEDD: Regularized Causalities Learning for Early Detection of Diseases Using Electronic Health Record (EHR) Data. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 541-553.	3.4	3
5	Idle Duration Prediction for Manufacturing System Using a Gaussian Mixture Model Integrated Neural Network for Energy Efficiency Improvement. IEEE Transactions on Automation Science and Engineering, 2021, 18, 47-55.	3.4	9
6	Generalising combinatorial discriminant analysis through conditioning truncated Rayleigh flow. Knowledge and Information Systems, 2021, 63, 2189-2208.	2.1	0
7	Joint Energy, Maintenance, and Throughput Modeling for Sustainable Manufacturing Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2101-2112.	5.9	16
8	Cost-imbalanced hyper parameter learning framework for quality classification. Journal of Cleaner Production, 2020, 242, 118481.	4.6	5
9	Economic viability and environmental impact investigation for the biofuel supply chain using co-fermentation technology. Applied Energy, 2020, 259, 114235.	5.1	22
10	A Model to Estimate the Lifetime of BESS for the Prosumer Community of Manufacturers with OGS. Procedia Computer Science, 2020, 168, 186-194.	1.2	2
11	$\langle \text{inline-formula} \rangle \langle \text{tex-math notation="LaTeX"} \rangle \mathcal{DBSDA} \langle / \text{tex-math} \rangle \langle / \text{inline-formula} \rangle$: Lowering the Bound of Misclassification Rate for Sparse Linear Discriminant Analysis via Model Debiasing. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 707-717.	7.2	7
12	Real-time frequency regulation using aggregated electric vehicles in smart grid. Computers and Industrial Engineering, 2019, 134, 11-26.	3.4	34
13	Moving second generation biofuel manufacturing forward: Investigating economic viability and environmental sustainability considering two strategies for supply chain restructuring. Applied Energy, 2019, 242, 1467-1496.	5.1	39
14	Onsite generation system sizing for manufacturing plant considering renewable sources towards sustainability. Sustainable Energy Technologies and Assessments, 2019, 32, 1-18.	1.7	12
15	Joint Manufacturing and Onsite Microgrid System Control Using Markov Decision Process and Neural Network Integrated Reinforcement Learning. Procedia Manufacturing, 2019, 39, 1242-1249.	1.9	6
16	A Framework of Integrating Manufacturing Plants in Smart Grid Operation: Manufacturing Flexible Load Identification. Procedia Manufacturing, 2019, 39, 1232-1241.	1.9	1
17	Biofuel supply chain optimal design considering economic, environmental, and societal aspects towards sustainability. International Journal of Energy Research, 2018, 42, 2169-2198.	2.2	18
18	Optimal scheduling of manufacturing and onsite generation systems in over-generation mitigation oriented electricity demand response program. Computers and Industrial Engineering, 2018, 115, 381-388.	3.4	13

#	ARTICLE	IF	CITATIONS
19	Optimal sizing and planning of onsite generation system for manufacturing in Critical Peaking Pricing demand response program. <i>International Journal of Production Economics</i> , 2018, 206, 261-267.	5.1	20
20	Energy Consumption Modeling of Stereolithography-Based Additive Manufacturing Toward Environmental Sustainability. <i>Journal of Industrial Ecology</i> , 2017, 21, S168.	2.8	67
21	Framework and Sensitivity Analysis of Joint Energy and Maintenance Planning Considering Production Throughput Requirements. , 2017, , .		1
22	Investigation of Relationship Between Sugar Yield and Particle Size in Biofuel Manufacturing. , 2017, , .		1
23	Reward/Penalty Design in Demand Response for Mitigating Overgeneration Considering the Benefits from both Manufacturers and Utility Company. <i>Procedia Computer Science</i> , 2017, 114, 425-432.	1.2	12
24	Design the Capacity of Onsite Generation System with Renewable Sources for Manufacturing Plant. <i>Procedia Computer Science</i> , 2017, 114, 433-440.	1.2	6
25	Learning Curve Analysis Using Intensive Longitudinal and Cluster-Correlated Data. <i>Procedia Computer Science</i> , 2017, 114, 250-257.	1.2	0
26	A General Algorithm for Assessing Product Architecture Performance Considering Architecture Extension in Cyber Manufacturing. <i>Procedia Computer Science</i> , 2017, 114, 384-391.	1.2	0
27	A Case Study Investigating the Environmental Impact of Pelleting in Cellulosic Biofuel Manufacturing. , 2017, , .		1
28	Joint Maintenance and Energy Management in Manufacturing Systems: Prospect Discussion, Challenge Analysis, and a Case Study. , 2016, , .		2
29	Plant-level electricity demand response for combined manufacturing system and heating, venting, and air-conditioning (HVAC) system. <i>Journal of Cleaner Production</i> , 2016, 135, 1650-1657.	4.6	36
30	Peak power demand reduction for combined manufacturing and HVAC system considering heat transfer characteristics. <i>International Journal of Production Economics</i> , 2016, 177, 44-52.	5.1	30
31	Integration of Sustainable Manufacturing Systems into Smart Grids with High Penetration of Renewable Energy Resources. , 2016, , .		12
32	Optimal production scheduling for energy efficiency improvement in biofuel feedstock preprocessing considering work-in-process particle separation. <i>Energy</i> , 2016, 96, 474-481.	4.5	15
33	Data driven production runtime energy control of manufacturing systems. , 2015, , .		3
34	Joint Maintenance and Energy Management of Sustainable Manufacturing Systems. , 2015, , .		5
35	Simulation-Based Electricity Demand Response for Combined Manufacturing and HVAC System Towards Sustainability. , 2015, , .		4
36	Customer-side electricity load management for sustainable manufacturing systems utilizing combined heat and power generation system. <i>International Journal of Production Economics</i> , 2015, 165, 112-119.	5.1	27

#	ARTICLE	IF	CITATIONS
37	Simulation-Based Optimization of Electricity Demand Response for Sustainable Manufacturing Systems. , 2014, , .		1
38	Identification of reservation capacity in critical peak pricing electricity demand response program for sustainable manufacturing systems. International Journal of Energy Research, 2014, 38, 728-736.	2.2	42
39	Inventory control for peak electricity demand reduction of manufacturing systems considering the tradeoff between production loss and energy savings. Journal of Cleaner Production, 2014, 82, 84-93.	4.6	47
40	Potential capability estimation for real time electricity demand response of sustainable manufacturing systems using Markov Decision Process. Journal of Cleaner Production, 2014, 65, 184-193.	4.6	60
41	Relationship Investigation Between Energy Consumption and Parameters in Size Reduction and Pelleting Processes of Biofuel Manufacturing. , 2014, , .		2
42	Dynamic Energy Control for Energy Efficiency Improvement of Sustainable Manufacturing Systems Using Markov Decision Process. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 1195-1205.	5.9	71
43	Opportunity Estimation for Real-Time Energy Control of Sustainable Manufacturing Systems. IEEE Transactions on Automation Science and Engineering, 2013, 10, 38-44.	3.4	58
44	“Just-for-Peak” buffer inventory for peak electricity demand reduction of manufacturing systems. International Journal of Production Economics, 2013, 146, 178-184.	5.1	85
45	Simulation-Based Energy Efficiency Improvement for Sustainable Manufacturing Systems. , 2012, , .		8
46	Real time electricity demand response for sustainable manufacturing systems: Challenges and a case study. , 2012, , .		11
47	Energy Consumption Reduction for Sustainable Manufacturing Systems Considering Machines With Multiple-Power States. , 2011, , .		10
48	OGM: Online gaussian graphical models on the fly. Applied Intelligence, 0, , 1.	3.3	0