

Jinkyoo Park

List of Publications by Year in descending order

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39
papers

1,123
citations

567281

15
h-index

642732

23
g-index

39
all docs

39
docs citations

39
times ranked

938
citing authors

#	ARTICLE	IF	CITATIONS
1	Layout optimization for maximizing wind farm power production using sequential convex programming. Applied Energy, 2015, 151, 320-334.	10.1	124
2	Learning to schedule job-shop problems: representation and policy learning using graph neural network and reinforcement learning. International Journal of Production Research, 2021, 59, 3360-3377.	7.5	110
3	A data-driven, cooperative wind farm control to maximize the total power production. Applied Energy, 2016, 165, 151-165.	10.1	98
4	Electromagnetic energy harvester with repulsively stacked multilayer magnets for low frequency vibrations. Smart Materials and Structures, 2013, 22, 055007.	3.5	87
5	Cooperative wind turbine control for maximizing wind farm power using sequential convex programming. Energy Conversion and Management, 2015, 101, 295-316.	9.2	82
6	Demand-Side Management With Shared Energy Storage System in Smart Grid. IEEE Transactions on Smart Grid, 2020, 11, 4466-4476.	9.0	71
7	Toward a Generalized Energy Prediction Model for Machine Tools. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	2.2	61
8	Bayesian Ascent: A Data-Driven Optimization Scheme for Real-Time Control With Application to Wind Farm Power Maximization. IEEE Transactions on Control Systems Technology, 2016, 24, 1655-1668.	5.2	53
9	Multi-Agent Actor-Critic with Hierarchical Graph Attention Network. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 7236-7243.	4.9	53
10	Large-eddy simulation of stable boundary layer turbulence and estimation of associated wind turbine loads. Wind Energy, 2014, 17, 359-384.	4.2	49
11	Physics-induced graph neural network: An application to wind-farm power estimation. Energy, 2019, 187, 115883.	8.8	44
12	Wind farm power maximization based on a cooperative static game approach. Proceedings of SPIE, 2013, , .	0.8	41
13	An intelligent machine monitoring system for energy prediction using a Gaussian Process regression. , 2014, , .		29
14	Wind Field-Based Short-Term Turbine Response Forecasting by Stacked Dilated Convolutional LSTMs. IEEE Transactions on Sustainable Energy, 2020, 11, 2294-2304.	8.8	26
15	Classification of Heart Sound Recordings Using Convolution Neural Network. , 0, , .		26
16	A Generalized Data-Driven Energy Prediction Model With Uncertainty for a Milling Machine Tool Using Gaussian Process. , 2015, , .		24
17	Transferable traffic signal control: Reinforcement learning with graph centric state representation. Transportation Research Part C: Emerging Technologies, 2021, 130, 103321.	7.6	23
18	A data-driven approach for cooperative wind farm control. , 2016, , .		15

#	ARTICLE	IF	CITATIONS
19	A Data-Driven, Cooperative Approach for Wind Farm Control: A Wind Tunnel Experimentation. Energies, 2017, 10, 852.	3.1	15
20	Toward Isolation of Salient Features in Stable Boundary Layer Wind Fields that Influence Loads on Wind Turbines. Energies, 2015, 8, 2977-3012.	3.1	14
21	Power evaluation of flutter-based electromagnetic energy harvesters using computational fluid dynamics simulations. Journal of Intelligent Material Systems and Structures, 2014, 25, 1800-1812.	2.5	13
22	Designing staggered platelet composite structure with Gaussian process regression based Bayesian optimization. Composites Science and Technology, 2022, 220, 109254.	7.8	12
23	Predicting Wind Turbine Power and Load Outputs by Multi-task Convolutional LSTM Model. , 2018, , .		10
24	Hierarchical Anomaly Detection Using a Multioutput Gaussian Process. IEEE Transactions on Automation Science and Engineering, 2020, 17, 261-272.	5.2	8
25	Deep Reinforcement Learning with Fully Convolutional Neural Network to Solve an Earthwork Scheduling Problem. , 2018, , .		5
26	Cooperative zone-based rebalancing of idle overhead hoist transportations using multi-agent reinforcement learning with graph representation learning. IJSE Transactions, 0, , 1-17.	2.4	4
27	Real-time energy prediction for a milling machine tool using sparse Gaussian process regression. , 2015, , .		3
28	A Bayesian optimization approach for wind farm power maximization. , 2015, , .		3
29	Evaluation of a PMML-based GPR scoring engine on a cloud platform and microcomputer board for smart manufacturing. , 2016, , .		3
30	Energy storage control based on user clustering and battery capacity allocation. , 2017, , .		3
31	Count-based change point detection via multi-output log-Gaussian Cox processes. IJSE Transactions, 2020, 52, 998-1013.	2.4	3
32	Idle Vehicle Rebalancing in Semiconductor Fabrication Using Factorized Graph Neural Network Reinforcement Learning. , 2019, , .		2
33	Contextual Bayesian optimization with trust region (CBOTR) and its application to cooperative wind farm control in region 2. Sustainable Energy Technologies and Assessments, 2020, 38, 100679.	2.7	2
34	Learning Stochastic Optimal Policies via Gradient Descent. , 2022, 6, 1094-1099.		2
35	Data Driven Analytics (Machine Learning) for System Characterization, Diagnostics and Control Optimization. Lecture Notes in Computer Science, 2018, , 16-36.	1.3	2
36	Asynchronous phase shifted electromagnetic energy harvester. Proceedings of SPIE, 2013, , .	0.8	1

#	ARTICLE	IF	CITATIONS
37	A Data-driven Bayesian Ascent Method for Maximizing Wind Farm Power Production. , 0, , .		1
38	WATTNet: Learning to Trade FX via Hierarchical Spatio-Temporal Representation of Highly Multivariate Time Series. , 2020, , .		1
39	Scalable Inference for Hybrid Bayesian Hidden Markov Model Using Gaussian Process Emission. Journal of Computational and Graphical Statistics, 0, , 1-36.	1.7	0