

Jinkyoo Park

List of Publications by Year in descending order

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39
papers

1,123
citations

567281

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642732

23
g-index

39
all docs

39
docs citations

39
times ranked

938
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning Stochastic Optimal Policies via Gradient Descent. , 2022, 6, 1094-1099.		2
2	Designing staggered platelet composite structure with Gaussian process regression based Bayesian optimization. Composites Science and Technology, 2022, 220, 109254.	7.8	12
3	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
4	Transferable traffic signal control: Reinforcement learning with graph centric state representation. Transportation Research Part C: Emerging Technologies, 2021, 130, 103321.	7.6	23
5	Count-based change point detection via multi-output log-Gaussian Cox processes. IJSE Transactions, 2020, 52, 998-1013.	2.4	3
6	Hierarchical Anomaly Detection Using a Multioutput Gaussian Process. IEEE Transactions on Automation Science and Engineering, 2020, 17, 261-272.	5.2	8
7	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
8	Multi-Agent Actor-Critic with Hierarchical Graph Attention Network. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 7236-7243.	4.9	53
9	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
10	Demand-Side Management With Shared Energy Storage System in Smart Grid. IEEE Transactions on Smart Grid, 2020, 11, 4466-4476.	9.0	71
11	WATTNet: Learning to Trade FX via Hierarchical Spatio-Temporal Representation of Highly Multivariate Time Series. , 2020, , .		1
12	Physics-induced graph neural network: An application to wind-farm power estimation. Energy, 2019, 187, 115883.	8.8	44
13	Idle Vehicle Rebalancing in Semiconductor Fabrication Using Factorized Graph Neural Network Reinforcement Learning. , 2019, , .		2
14	Deep Reinforcement Learning with Fully Convolutional Neural Network to Solve an Earthwork Scheduling Problem. , 2018, , .		5
15	Predicting Wind Turbine Power and Load Outputs by Multi-task Convolutional LSTM Model. , 2018, , .		10
16	Data Driven Analytics (Machine Learning) for System Characterization, Diagnostics and Control Optimization. Lecture Notes in Computer Science, 2018, , 16-36.	1.3	2
17	Toward a Generalized Energy Prediction Model for Machine Tools. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	2.2	61
18	Energy storage control based on user clustering and battery capacity allocation. , 2017, , .		3

#	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	Evaluation of a PMML-based GPR scoring engine on a cloud platform and microcomputer board for smart manufacturing. , 2016, , .		3
21	A data-driven approach for cooperative wind farm control. , 2016, , .		15
22	A data-driven, cooperative wind farm control to maximize the total power production. Applied Energy, 2016, 165, 151-165.	10.1	98
23	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
24	A Generalized Data-Driven Energy Prediction Model With Uncertainty for a Milling Machine Tool Using Gaussian Process. , 2015, , .		24
25	Real-time energy prediction for a milling machine tool using sparse Gaussian process regression. , 2015, , .		3
26	Cooperative wind turbine control for maximizing wind farm power using sequential convex programming. Energy Conversion and Management, 2015, 101, 295-316.	9.2	82
27	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
28	A Bayesian optimization approach for wind farm power maximization. , 2015, , .		3
29	Layout optimization for maximizing wind farm power production using sequential convex programming. Applied Energy, 2015, 151, 320-334.	10.1	124
30	An intelligent machine monitoring system for energy prediction using a Gaussian Process regression. , 2014, , .		29
31	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
32	Large-eddy simulation of stable boundary layer turbulence and estimation of associated wind turbine loads. Wind Energy, 2014, 17, 359-384.	4.2	49
33	Electromagnetic energy harvester with repulsively stacked multilayer magnets for low frequency vibrations. Smart Materials and Structures, 2013, 22, 055007.	3.5	87
34	Wind farm power maximization based on a cooperative static game approach. Proceedings of SPIE, 2013, , .	0.8	41
35	Asynchronous phase shifted electromagnetic energy harvester. Proceedings of SPIE, 2013, , .	0.8	1
36	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

#	ARTICLE	IF	CITATIONS
37	Classification of Heart Sound Recordings Using Convolution Neural Network. , 0, , .		26
38	A Data-driven Bayesian Ascent Method for Maximizing Wind Farm Power Production. , 0, , .		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