

Jung-Su Kim

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

645
citations

687363

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28
times ranked

644
citing authors

#	ARTICLE	IF	CITATIONS
1	Handling Load Uncertainty during On-Peak Time via Dual ESS and LSTM with Load Data Augmentation. <i>Energies</i> , 2022, 15, 3001.	3.1	2
2	Deep Reinforcement Learning-Based Path Planning for Multi-Arm Manipulators with Periodically Moving Obstacles. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2587.	2.5	14
3	Computation of Feasible and Invariant Sets for Interpolation-based MPC. <i>International Journal of Control, Automation and Systems</i> , 2021, 19, 3253-3263.	2.7	1
4	A Nonlinear Model Predictive Control with Enlarged Region of Attraction via the Union of Invariant Sets. <i>Mathematics</i> , 2020, 8, 2087.	2.2	4
5	Optimal ESS Scheduling for Peak Shaving of Building Energy Using Accuracy-Enhanced Load Forecast. <i>Energies</i> , 2020, 13, 5633.	3.1	20
6	Path Planning for Multi-Arm Manipulators Using Deep Reinforcement Learning: Soft Actor-Critic with Hindsight Experience Replay. <i>Sensors</i> , 2020, 20, 5911.	3.8	54
7	Motion Planning of Robot Manipulators for a Smoother Path Using a Twin Delayed Deep Deterministic Policy Gradient with Hindsight Experience Replay. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 575.	2.5	59
8	Dual Deep Learning Networks Based Load Forecasting with Partial Real-Time Information and Its Application to System Marginal Price Prediction. <i>Energies</i> , 2020, 13, 148.	3.1	14
9	MPC-Based Power Management of Renewable Generation Using Multi-ESS Guaranteeing SoC Constraints and Balancing. <i>IEEE Access</i> , 2020, 8, 12897-12906.	4.2	12
10	MPC Based Ramp-Rate Control Strategy with Battery Energy Storage Systems for Wind Farms. , 2018, , .		0
11	An Interpolation Technique for Input Constrained Robust Stabilization. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 1569-1576.	2.7	5
12	A Robust Suboptimal Current Control of an Interlink Converter for a Hybrid AC/DC Microgrid. <i>Energies</i> , 2018, 11, 1382.	3.1	12
13	Output Feedback Practical Coordinated Tracking of Uncertain Heterogeneous Multi-Agent Systems Under Switching Network Topology. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 6399-6406.	5.7	38
14	Distributed economic dispatch for power systems. , 2017, , .		2
15	High-Gain Disturbance Observer-Based Robust Load Frequency Control of Power Systems with Multiple Areas. <i>Energies</i> , 2017, 10, 595.	3.1	14
16	Interlink Converter with Linear Quadratic Regulator Based Current Control for Hybrid AC/DC Microgrid. <i>Energies</i> , 2017, 10, 1799.	3.1	16
17	Robustness of Synchronization of Heterogeneous Agents by Strong Coupling and a Large Number of Agents. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 3096-3102.	5.7	50
18	Robust tracking performance of linear induction motor-based automatic picking system using a high-gain disturbance observer. <i>IET Electric Power Applications</i> , 2016, 10, 45-53.	1.8	12

#	ARTICLE	IF	CITATIONS
19	A disturbance observer based practical coordinated tracking controller for uncertain heterogeneous multi-agent systems. International Journal of Robust and Nonlinear Control, 2015, 25, 2254-2278.	3.7	18
20	Long-term cycle control strategies for SMP-based shaving using a large-scale battery energy storage system. , 2014, , .		0
21	Robust tracking model predictive control for input-constrained uncertain linear time invariant systems. International Journal of Control, 2014, 87, 120-130.	1.9	18
22	A Stabilizing Model Predictive Controller for Voltage Regulation of a DC/DC Boost Converter. IEEE Transactions on Control Systems Technology, 2014, 22, 2016-2023.	5.2	103
23	Robustness of synchronization in heterogeneous multi-agent systems. , 2013, , .		5
24	Disc margins of the discrete-time LQR and its application to consensus problem. International Journal of Systems Science, 2012, 43, 1891-1900.	5.5	29
25	Robust tracking by reduced-order disturbance observer: Linear case. , 2011, , .		4
26	On topology and dynamics of consensus among linear high-order agents. International Journal of Systems Science, 2011, 42, 1831-1842.	5.5	118
27	Recent advances in adaptive MPC. , 2010, , .		15
28	Quasi-ISS reduced-order observers and quantized output feedback. , 2009, , .		6