

# Jung-Su Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

645  
citations

687363

13  
h-index

713466

21  
g-index

28  
all docs

28  
docs citations

28  
times ranked

644  
citing authors

#	ARTICLE	IF	CITATIONS
1	On topology and dynamics of consensus among linear high-order agents. International Journal of Systems Science, 2011, 42, 1831-1842.	5.5	118
2	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
3	Motion Planning of Robot Manipulators for a Smoother Path Using a Twin Delayed Deep Deterministic Policy Gradient with Hindsight Experience Replay. Applied Sciences (Switzerland), 2020, 10, 575.	2.5	59
4	Path Planning for Multi-Arm Manipulators Using Deep Reinforcement Learning: Soft Actor-Critic with Hindsight Experience Replay. Sensors, 2020, 20, 5911.	3.8	54
5	Robustness of Synchronization of Heterogeneous Agents by Strong Coupling and a Large Number of Agents. IEEE Transactions on Automatic Control, 2016, 61, 3096-3102.	5.7	50
6	Output Feedback Practical Coordinated Tracking of Uncertain Heterogeneous Multi-Agent Systems Under Switching Network Topology. IEEE Transactions on Automatic Control, 2017, 62, 6399-6406.	5.7	38
7	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
8	Optimal ESS Scheduling for Peak Shaving of Building Energy Using Accuracy-Enhanced Load Forecast. Energies, 2020, 13, 5633.	3.1	20
9	Robust tracking model predictive control for input-constrained uncertain linear time invariant systems. International Journal of Control, 2014, 87, 120-130.	1.9	18
10	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
11	Interlink Converter with Linear Quadratic Regulator Based Current Control for Hybrid AC/DC Microgrid. Energies, 2017, 10, 1799.	3.1	16
12	Recent advances in adaptive MPC. , 2010, , .		15
13	High-Gain Disturbance Observer-Based Robust Load Frequency Control of Power Systems with Multiple Areas. Energies, 2017, 10, 595.	3.1	14
14	Dual Deep Learning Networks Based Load Forecasting with Partial Real-Time Information and Its Application to System Marginal Price Prediction. Energies, 2020, 13, 148.	3.1	14
15	Deep Reinforcement Learning-Based Path Planning for Multi-Arm Manipulators with Periodically Moving Obstacles. Applied Sciences (Switzerland), 2021, 11, 2587.	2.5	14
16	Robust tracking performance of linear induction motor-based automatic picking system using a high-gain disturbance observer. IET Electric Power Applications, 2016, 10, 45-53.	1.8	12
17	A Robust Suboptimal Current Control of an Interlink Converter for a Hybrid AC/DC Microgrid. Energies, 2018, 11, 1382.	3.1	12
18	MPC-Based Power Management of Renewable Generation Using Multi-ESS Guaranteeing SoC Constraints and Balancing. IEEE Access, 2020, 8, 12897-12906.	4.2	12

#	ARTICLE	IF	CITATIONS
19	Quasi-ISS reduced-order observers and quantized output feedback. , 2009, , .		6
20	Robustness of synchronization in heterogeneous multi-agent systems. , 2013, , .		5
21	An Interpolation Technique for Input Constrained Robust Stabilization. International Journal of Control, Automation and Systems, 2018, 16, 1569-1576.	2.7	5
22	Robust tracking by reduced-order disturbance observer: Linear case. , 2011, , .		4
23	A Nonlinear Model Predictive Control with Enlarged Region of Attraction via the Union of Invariant Sets. Mathematics, 2020, 8, 2087.	2.2	4
24	Distributed economic dispatch for power systems. , 2017, , .		2
25	Handling Load Uncertainty during On-Peak Time via Dual ESS and LSTM with Load Data Augmentation. Energies, 2022, 15, 3001.	3.1	2
26	Computation of Feasible and Invariant Sets for Interpolation-based MPC. International Journal of Control, Automation and Systems, 2021, 19, 3253-3263.	2.7	1
27	Long-term cycle control strategies for SMP-based shaving using a large-scale battery energy storage system. , 2014, , .		0
28	MPC Based Ramp-Rate Control Strategy with Battery Energy Storage Systems for Wind Farms. , 2018, , .		0