Lei Wang

List of Publications by Year
in descending order

25 papers	589 citations	840776 11 h-index	713466 21 g-index
25 all docs	25 docs citations	25 times ranked	545 citing authors

#	Article	IF	Citations
1	Robust Output Feedback Stabilization of MIMO Invertible Nonlinear Systems With Output-Dependent Multipliers. IEEE Transactions on Automatic Control, 2022, 67, 2989-2996.	5.7	4
2	Robust implementable regulator design of linear systems with non-vanishing measurements. Automatica, 2022, 143, 110418.	5.0	6
3	An Accelerated Distributed Gradient-Based Algorithm for Constrained Optimization With Application to Economic Dispatch in a Large-Scale Power System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2041-2053.	9.3	29
4	Nonsmooth Decentralized Stabilization for Interconnected Systems Subject to Strongly Coupled Uncertain Interactions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2685-2692.	9.3	5
5	Realization of Exact Tracking Control for Nonlinear Systems via a Nonrecursive Dynamic Design. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 577-589.	9.3	13
6	Pre-processing nonlinear output regulation with non-vanishing measurements. Automatica, 2020, 111, 108616.	5.0	16
7	Distributed Voltage Restoration and Current Sharing Control in Islanded DC Microgrid Systems Without Continuous Communication. IEEE Transactions on Industrial Electronics, 2020, 67, 3043-3053.	7.9	110
8	Robust output regulation for a class of nonlinear systems not detectable by the regulated output. European Journal of Control, 2020, 52, 26-33.	2.6	1
9	Adaptive Semiglobal Nonlinear Output Regulation: An Extended-State Observer Approach. IEEE Transactions on Automatic Control, 2020, 65, 2670-2677.	5.7	6
10	Robust Cooperative Output Regulation of Heterogeneous Uncertain Linear Multiagent Systems With Time-Varying Communication Topologies. IEEE Transactions on Automatic Control, 2020, 65, 4340-4347.	5.7	12
11	Optimal Modeling of Integrated Energy Demand Response under Time-Shared Electricity Price. , 2020, , .		2
12	Cooperative Semiglobal Robust Output Regulation of Non-Introspective Nonlinear Agents With Partial Normal Form and State-Dependent High-Frequency Gain. IEEE Transactions on Control of Network Systems, 2019, 6, 388-402.	3.7	5
13	Robust cooperative output regulation of uncertain linear multi-agent systems not detectable by regulated output. Automatica, 2019, 101, 309-317.	5.0	20
14	Controlling Directed Networks With Evolving Topologies. IEEE Transactions on Control of Network Systems, 2019, 6, 176-190.	3.7	4
15	Distributed Secondary Control for Power Allocation and Voltage Restoration in Islanded DC Microgrids. IEEE Transactions on Sustainable Energy, 2018, 9, 1857-1869.	8.8	170
16	Output Regulation of Multivariable Nonlinear Systems Using Extra Outputs. IFAC-PapersOnLine, 2018, 51, 13-18.	0.9	3
17	Pre-Processing Nonlinear Output Regulation with Non Vanishing Measurements. , 2018, , .		3
18	Robust Output Regulation for a Class of Nonlinear Systems not Detectable by Regulated Out. , 2018, , .		1

#	Article	IF	Citations
19	Robust output regulation for invertible nonlinear MIMO systems. Automatica, 2017, 82, 278-286.	5.0	25
20	High-gain observers with limited gain power for systems with observability canonical form. Automatica, 2017, 75, 16-23.	5.0	34
21	Stabilization by Output Feedback of Multivariable Invertible Nonlinear Systems. IEEE Transactions on Automatic Control, 2017, 62, 2419-2433.	5.7	12
22	Immersion and Invariance Stabilization of Nonlinear Systems Via Virtual and Horizontal Contraction. IEEE Transactions on Automatic Control, 2017, 62, 4017-4022.	5.7	24
23	Nonlinear output regulation for invertible nonlinear MIMO systems. International Journal of Robust and Nonlinear Control, 2016, 26, 2401-2417.	3.7	27
24	Global Stabilization of a Class of Invertible MIMO Nonlinear Systems. IEEE Transactions on Automatic Control, 2015, 60, 616-631.	5.7	27
25	Output feedback stabilization of nonlinear MIMO systems having uncertain high-frequency gain matrix. Systems and Control Letters, 2015, 83, 1-8.	2.3	30