

Jiaqi Zhong

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Coupled Electromagnetic and Heat Transfer ODE Model for Microwave Heating With Temperature-Dependent Permittivity. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 2467-2477.	4.6	31
2	Thermodynamics model based temperature tracking control in microwave heating. Journal of Thermal Science and Technology, 2016, 11, JTST0004-JTST0004.	1.1	12
3	Expert control system based multimode hybrid switching control strategy for microwave lignite drying. Drying Technology, 2017, 35, 1468-1480.	3.1	11
4	Receding horizon H [∞] guaranteed cost tracking control for microwave heating medium with temperature-dependent permittivity. ISA Transactions, 2018, 73, 249-256.	5.7	10
5	Approximate microwave heating models for global temperature profile in rectangular medium with TE ₁₀ mode. Journal of Thermal Analysis and Calorimetry, 2015, 122, 487-495.	3.6	9
6	Numerical solution of the unsteady diffusion-convection-reaction equation based on improved spectral Galerkin method. AIP Advances, 2018, 8, 045314.	1.3	9
7	Design and implementation of a microwave heating system based on dual-closed loop control strategy. , 2014, , .		8
8	Improved receding horizon H [∞] temperature spectrum tracking control for Debye media in microwave heating process. Journal of Process Control, 2018, 71, 14-24.	3.3	8
9	A two-dimensional temperature distribution model for microwave heating in rectangular cavity. , 2014, , .		7
10	A state space representation for one-dimensional microwave heating temperature model. , 2014, , .		6
11	Temperature Control Using Hybrid Control with MRAC and ECS into a MIMO Microwave Heating Process. Journal of Microwave Power and Electromagnetic Energy, 2015, 49, 46-54.	0.8	6
12	Approximate finite-dimensional ODE temperature model for microwave heating. Nonlinear Analysis: Modelling and Control, 2016, 21, 498-514.	1.6	6
13	Transient analysis of power loss density with time-harmonic electromagnetic waves in Debye media. Royal Society Open Science, 2021, 8, 210023.	2.4	3
14	A Data-Driven Based Spatiotemporal Model Reduction for Microwave Heating Process with the Mixed Boundary Conditions. Processes, 2021, 9, 827.	2.8	2
15	Black box system identification dedicated to a microwave heating process. , 2015, , .		1
16	Finite-Time Output Feedback Control for Flexible-Joint Systems Under Time-Varying Disturbances. , 2018, , .		1
17	LMI-based hybrid temporal-spatial differential control design for a class of Euler-Bernoulli beam system. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 7859-7869.	2.1	1
18	LMI-based H _∞ Neumann boundary control for parabolic partial differential equation with actuator saturation. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Global switching control with input constraints for finite dimensional microwave heating model. , 2015, , .		0
20	Receding Horizon H^{∞} Guaranteed Cost Control for Uncertain Distributed Parameter Systems with Actuator Saturation. , 2019, , .		0
21	Spatial-Differential Linear Matrix Inequality-based Distributed H^{∞} Control for the Coupled Parabolic PDEs System. , 2020, , .		0