

Yiyang Chen

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

659
citations

759055

12
h-index

996849

15
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28
all docs

28
docs citations

28
times ranked

450
citing authors

#	ARTICLE	IF	CITATIONS
1	An unsupervised fault diagnosis method for rolling bearing using STFT and generative neural networks. Journal of the Franklin Institute, 2020, 357, 7286-7307.	1.9	191
2	Robust point-to-point iterative learning control with varying initial conditions. IET Control Theory and Applications, 2020, 14, 3344-3350.	1.2	85
3	Iterative learning control for repetitive tasks with randomly varying trial lengths using successive projection. International Journal of Adaptive Control and Signal Processing, 2022, 36, 1196-1215.	2.3	70
4	Point-to-Point Iterative Learning Control With Optimal Tracking Time Allocation. IEEE Transactions on Control Systems Technology, 2018, 26, 1685-1698.	3.2	51
5	Machine learning based decision making for time varying systems: Parameter estimation and performance optimization. Knowledge-Based Systems, 2020, 190, 105479.	4.0	39
6	A hybrid active contour model based on pre-fitting energy and adaptive functions for fast image segmentation. Pattern Recognition Letters, 2022, 158, 71-79.	2.6	29
7	Consensus of General Linear Multi-Agent Systems With Heterogeneous Input and Communication Delays. , 2021, 5, 851-856.		28
8	Generalized Iterative Learning Control Using Successive Projection: Algorithm, Convergence, and Experimental Verification. IEEE Transactions on Control Systems Technology, 2020, 28, 2079-2091.	3.2	27
9	Generalized iterative learning control with mixed system constraints: A gantry robot based verification. Control Engineering Practice, 2020, 95, 104260.	3.2	20
10	Machine Learning-Based Model Predictive Control for Collaborative Production Planning Problem with Unknown Information. Electronics (Switzerland), 2021, 10, 1818.	1.8	20
11	Iterative Learning Control for Path-Following Tasks With Performance Optimization. IEEE Transactions on Control Systems Technology, 2022, 30, 234-246.	3.2	18
12	A coordinate descent approach to optimal tracking time allocation in point-to-point ILC. Mechatronics, 2019, 59, 25-34.	2.0	16
13	Machine learning based iterative learning control for non-repetitive time-varying systems. International Journal of Robust and Nonlinear Control, 2023, 33, 4098-4116.	2.1	15
14	Spatial path tracking using iterative learning control. , 2016, , .		9
15	Generalized Norm Optimal Iterative Learning Control: Constraint Handling. IFAC-PapersOnLine, 2017, 50, 13396-13401.	0.5	7
16	Point-to-point iterative learning control with optimal tracking time allocation. , 2015, , .		6
17	A Neural Network based Mobile Robot Navigation Approach using Reinforcement Learning Parameter Tuning Mechanism. , 2021, , .		6
18	Point-to-point iterative learning control with optimal tracking time allocation: A coordinate descent approach. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	Iterative Learning Control for Minimum Time Path Following. IFAC-PapersOnLine, 2019, 52, 320-325.	0.5	4
20	Norm Optimal Iterative Learning Control for General Spatial Path Following Problem. , 2018, , .		3
21	Collaborative Production Planning with Unknown Parameters using Model Predictive Control and Machine Learning. , 2020, , .		3
22	The Anisotropic Electrochemical Machinability of Laser Cladding Deposited Ti6Al4V Alloy in NaCl Solution. Materials, 2022, 15, 3642.	1.3	3
23	A Neural Network Approach to Subjective Human Face Perception Classification based on Social Characteristics. , 2021, , .		2
24	Iterative learning control laws with full dynamics. , 2016, , .		1
25	Optimal Iterative Learning Control of Quantized Signals Based on Encoding-Decoding Method. , 2021, , .		1
26	Event-triggered control for Markov jump system with nonlinear term satisfying incremental quadratic constraint. , 2021, , .		1
27	Multi-dimensional Data Analysis Platform (MuDAP): A Versatile Analysis Toolbox for Multi-dimensional Perception Data. , 2021, , .		0
28	Dynamic Event-Triggered Control for Discrete-Time Markov Jump Systems. , 2020, , .		0