

Qi-Chun Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

499
citations

949033

11
h-index

843174

20
g-index

35
all docs

35
docs citations

35
times ranked

207
citing authors

#	ARTICLE	IF	CITATIONS
1	An introductory survey of probability density function control. <i>Systems Science and Control Engineering</i> , 2019, 7, 158-170.	1.8	75
2	RBFNN-Based Minimum Entropy Filtering for a Class of Stochastic Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 376-381.	3.6	61
3	EKF-Based Enhanced Performance Controller Design for Nonlinear Stochastic Systems. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 1155-1162.	3.6	56
4	Output Feedback Stabilization for a Class of Multi-Variable Bilinear Stochastic Systems With Stochastic Coupling Attenuation. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 2936-2942.	3.6	40
5	Decoupling control in statistical sense: minimised mutual information algorithm. <i>International Journal of Advanced Mechatronic Systems</i> , 2016, 7, 61.	0.1	24
6	Performance enhanced Kalman filter design for non-Gaussian stochastic systems with data-based minimum entropy optimisation. <i>AIMS Electronics and Electrical Engineering</i> , 2019, 3, 382-396.	0.8	21
7	A Novel Data-based Stochastic Distribution Control for Non-Gaussian Stochastic Systems. <i>IEEE Transactions on Automatic Control</i> , 2021, , 1-1.	3.6	20
8	Defect Recognition in Concrete Ultrasonic Detection Based on Wavelet Packet Transform and Stochastic Configuration Networks. <i>IEEE Access</i> , 2021, 9, 9284-9295.	2.6	19
9	Minimized coupling in probability sense for a class of multivariate dynamic stochastic control systems. , 2015, , .		18
10	An EKF-Based Performance Enhancement Scheme for Stochastic Nonlinear Systems by Dynamic Set-Point Adjustment. <i>IEEE Access</i> , 2020, 8, 62261-62272.	2.6	16
11	Output Feedback Stabilization for MIMO Semi-linear Stochastic Systems with Transient Optimisation. <i>International Journal of Automation and Computing</i> , 2020, 17, 83-95.	4.5	14
12	Enhanced performance controller design for stochastic systems by adding extra state estimation onto the existing closed loop control. , 2016, , .		13
13	Neural Membrane Mutual Coupling Characterisation Using Entropy-Based Iterative Learning Identification. <i>IEEE Access</i> , 2020, 8, 205231-205243.	2.6	13
14	Observer-based parametric decoupling controller design for a class of multi-variable non-linear uncertain systems. <i>Systems Science and Control Engineering</i> , 2018, 6, 258-267.	1.8	13
15	A statistical description of pairwise interaction between nerve fibres?. , 2017, , .		12
16	Ultrasonic based concrete defects identification via wavelet packet transform and GA-BP neural network. <i>PeerJ Computer Science</i> , 2021, 7, e635.	2.7	12
17	Parametric covariance assignment using a reduced-order closed-form covariance model. <i>Systems Science and Control Engineering</i> , 2016, 4, 78-86.	1.8	10
18	A model study of the neural interaction via mutual coupling factor identification. , 2017, 2017, 3329-3332.		10

#	ARTICLE	IF	CITATIONS
19	Probabilistic Decoupling Control for Stochastic Non-Linear Systems Using EKF-Based Dynamic Set-Point Adjustment. , 2018, , .		10
20	Stochastic distribution tracking control for stochastic non-linear systems via probability density function vectorisation. Transactions of the Institute of Measurement and Control, 2021, 43, 3149-3157.	1.1	7
21	Fuzzy Command Filtered Backstepping Control for Nonlinear System With Nonlinear Faults. IEEE Access, 2021, 9, 60409-60418.	2.6	6
22	A Wavelet Packet Transform and Convolutional Neural Network Method Based Ultrasonic Detection Signals Recognition of Concrete. Sensors, 2022, 22, 3863.	2.1	6
23	Entropy-based Iterative Learning Estimation for Stochastic Non-linear Systems and Its Application to Neural Membrane Potential Interaction. , 2019, , .		4
24	Variance and Entropy Assignment for Continuous-Time Stochastic Nonlinear Systems. Entropy, 2022, 24, 25.	1.1	4
25	Minimum mutual information control for multi-variable non-Gaussian stochastic systems. , 2015, , .		3
26	Design and Performance Analysis of an Ultrasonic System for Health Monitoring of Concrete Structure. Sensors, 2021, 21, 6606.	2.1	3
27	Probability Density Function Control for Stochastic Nonlinear Systems using Monte Carlo Simulation. IFAC-PapersOnLine, 2020, 53, 1288-1293.	0.5	3
28	Unsupervised Learning for Oil Drilling Data Classification. , 2021, , .		3
29	A Survey of the Probability Density Function Control for Stochastic Dynamic Systems. , 2018, , .		1
30	Output Feedback Stabilization for Dynamic MIMO Semi-linear Stochastic Systems with Output Randomness Attenuation. , 2018, , .		1
31	Parametric Co-variance Assignment for a Class of Multivariable Stochastic Uncertain Systems: Output Feedback Stabilization Approach. Advances in Science, Technology and Engineering Systems, 2018, 3, 45-51.	0.4	1
32	Parametric decoupling control strategy for a class of nonlinear uncertain systems via observer-based output feedback. , 2017, , .		0
33	Entropy-based Extended Kalman Filtering for Stochastic Non-linear Systems with Polynomial Compensation. , 2019, , .		0
34	Data-driven Distribution Tracking for Stochastic Non-linear Systems via PID Design. , 2019, , .		0
35	Variance Assignment for a Class of Stochastic Non-linear Systems. , 2021, , .		0