

# Qi-Chun Zhang

## List of Publications by Year in descending order

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35  
papers

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840776  
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docs citations

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times ranked

192  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variance and Entropy Assignment for Continuous-Time Stochastic Nonlinear Systems. Entropy, 2022, 24, 25.	2.2	4
2	A Wavelet Packet Transform and Convolutional Neural Network Method Based Ultrasonic Detection Signals Recognition of Concrete. Sensors, 2022, 22, 3863.	3.8	6
3	Defect Recognition in Concrete Ultrasonic Detection Based on Wavelet Packet Transform and Stochastic Configuration Networks. IEEE Access, 2021, 9, 9284-9295.	4.2	19
4	Fuzzy Command Filtered Backstepping Control for Nonlinear System With Nonlinear Faults. IEEE Access, 2021, 9, 60409-60418.	4.2	6
5	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.	1.7	7
6	Ultrasonic based concrete defects identification <i>via</i> wavelet packet transform and GA-BP neural network. PeerJ Computer Science, 2021, 7, e635.	4.5	12
7	A Novel Data-based Stochastic Distribution Control for Non-Gaussian Stochastic Systems. IEEE Transactions on Automatic Control, 2021, , 1-1.	5.7	20
8	Design and Performance Analysis of an Ultrasonic System for Health Monitoring of Concrete Structure. Sensors, 2021, 21, 6606.	3.8	3
9	Unsupervised Learning for Oil Drilling Data Classification. , 2021, , .		3
10	Variance Assignment for a Class of Stochastic Non-linear Systems. , 2021, , .		0
11	RBFNN-Based Minimum Entropy Filtering for a Class of Stochastic Nonlinear Systems. IEEE Transactions on Automatic Control, 2020, 65, 376-381.	5.7	61
12	Output Feedback Stabilization for MIMO Semi-linear Stochastic Systems with Transient Optimisation. International Journal of Automation and Computing, 2020, 17, 83-95.	4.5	14
13	Neural Membrane Mutual Coupling Characterisation Using Entropy-Based Iterative Learning Identification. IEEE Access, 2020, 8, 205231-205243.	4.2	13
14	An EKF-Based Performance Enhancement Scheme for Stochastic Nonlinear Systems by Dynamic Set-Point Adjustment. IEEE Access, 2020, 8, 62261-62272.	4.2	16
15	Probability Density Function Control for Stochastic Nonlinear Systems using Monte Carlo Simulation. IFAC-PapersOnLine, 2020, 53, 1288-1293.	0.9	3
16	Entropy-based Iterative Learning Estimation for Stochastic Non-linear Systems and Its Application to Neural Membrane Potential Interaction. , 2019, , .		4
17	An introductory survey of probability density function control. Systems Science and Control Engineering, 2019, 7, 158-170.	3.1	75
18	Entropy-based Extended Kalman Filtering for Stochastic Non-linear Systems with Polynomial Compensation. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Performance enhanced Kalman filter design for non-Gaussian stochastic systems with data-based minimum entropy optimisation. AIMS Electronics and Electrical Engineering, 2019, 3, 382-396.	1.5	21
20	Data-driven Distribution Tracking for Stochastic Non-linear Systems via PID Design. , 2019, , .		0
21	EKF-Based Enhanced Performance Controller Design for Nonlinear Stochastic Systems. IEEE Transactions on Automatic Control, 2018, 63, 1155-1162.	5.7	56
22	Probabilistic Decoupling Control for Stochastic Non-Linear Systems Using EKF-Based Dynamic Set-Point Adjustment. , 2018, , .		10
23	A Survey of the Probability Density Function Control for Stochastic Dynamic Systems. , 2018, , .		1
24	Observer-based parametric decoupling controller design for a class of multi-variable non-linear uncertain systems. Systems Science and Control Engineering, 2018, 6, 258-267.	3.1	13
25	Output Feedback Stabilization for Dynamic MIMO Semi-linear Stochastic Systems with Output Randomness Attenuation. , 2018, , .		1
26	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.	0.5	1
27	Output Feedback Stabilization for a Class of Multi-Variable Bilinear Stochastic Systems With Stochastic Coupling Attenuation. IEEE Transactions on Automatic Control, 2017, 62, 2936-2942.	5.7	40
28	A model study of the neural interaction via mutual coupling factor identification. , 2017, 2017, 3329-3332.		10
29	Parametric decoupling control strategy for a class of nonlinear uncertain systems via observer-based output feedback. , 2017, , .		0
30	A statistical description of pairwise interaction between nerve fibres?. , 2017, , .		12
31	Decoupling control in statistical sense: minimised mutual information algorithm. International Journal of Advanced Mechatronic Systems, 2016, 7, 61.	0.2	24
32	Enhanced performance controller design for stochastic systems by adding extra state estimation onto the existing closed loop control. , 2016, , .		13
33	Parametric covariance assignment using a reduced-order closed-form covariance model. Systems Science and Control Engineering, 2016, 4, 78-86.	3.1	10
34	Minimized coupling in probability sense for a class of multivariate dynamic stochastic control systems. , 2015, , .		18
35	Minimum mutual information control for multi-variable non-Gaussian stochastic systems. , 2015, , .		3