

Kai Zhao

List of Publications by Year in descending order

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40
papers

1,410
citations

516710

16
h-index

434195

31
g-index

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all docs

40
docs citations

40
times ranked

705
citing authors

#	ARTICLE	IF	CITATIONS
1	Removing the Feasibility Conditions Imposed on Tracking Control Designs for State-Constrained Strict-Feedback Systems. IEEE Transactions on Automatic Control, 2019, 64, 1265-1272.	5.7	273
2	Prescribed Performance Control of Uncertain Euler-Lagrange Systems Subject to Full-State Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3478-3489.	11.3	179
3	Tracking control of MIMO nonlinear systems under full state constraints: A Single-parameter adaptation approach free from feasibility conditions. Automatica, 2019, 107, 52-60.	5.0	119
4	Control of nonlinear systems under dynamic constraints: A unified barrier function-based approach. Automatica, 2020, 119, 109102.	5.0	110
5	Neuroadaptive Fault-Tolerant Control of Nonlinear Systems Under Output Constraints and Actuation Faults. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 286-298.	11.3	107
6	Adaptive Asymptotic Tracking With Global Performance for Nonlinear Systems With Unknown Control Directions. IEEE Transactions on Automatic Control, 2022, 67, 1566-1573.	5.7	86
7	Adaptive Control With Exponential Regulation in the Absence of Persistent Excitation. IEEE Transactions on Automatic Control, 2017, 62, 2589-2596.	5.7	74
8	Neuroadaptive Robotic Control Under Time-Varying Asymmetric Motion Constraints: A Feasibility-Condition-Free Approach. IEEE Transactions on Cybernetics, 2020, 50, 15-24.	9.5	74
9	Adaptive Neural Quantized Control of MIMO Nonlinear Systems Under Actuation Faults and Time-Varying Output Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3471-3481.	11.3	39
10	Neuroadaptive Cooperative Control Without Velocity Measurement for Multiple Humanoid Robots Under Full-State Constraints. IEEE Transactions on Industrial Electronics, 2019, 66, 2956-2964.	7.9	38
11	Low-Cost Approximation-Based Adaptive Tracking Control of Output-Constrained Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4890-4900.	11.3	37
12	Indirect neuroadaptive control of unknown MIMO systems tracking uncertain target under sensor failures. Automatica, 2017, 77, 103-111.	5.0	33
13	Zero-error tracking control with pre-assignable convergence mode for nonlinear systems under nonvanishing uncertainties and unknown control direction. Systems and Control Letters, 2018, 115, 34-40.	2.3	30
14	Regular error feedback based adaptive practical prescribed time tracking control of normal-form nonaffine systems. Journal of the Franklin Institute, 2019, 356, 2759-2779.	3.4	30
15	Event-Based Adaptive Neural Control of Nonlinear Systems With Deferred Constraint. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6273-6282.	9.3	24
16	Computationally inexpensive fault tolerant control of uncertain nonlinear systems with smooth asymmetric input saturation and undetectable actuation failures. IET Control Theory and Applications, 2016, 10, 1866-1873.	2.1	21
17	Accelerated adaptive control of nonlinear uncertain systems. , 2017, , .		17
18	Unified Mapping Function-Based Neuroadaptive Control of Constrained Uncertain Robotic Systems. IEEE Transactions on Cybernetics, 2023, 53, 3665-3674.	9.5	16

#	ARTICLE	IF	CITATIONS
19	Accelerated neuroadaptive tracking control of strict-feedback nonlinear systems without precise knowledge of target trajectory. <i>International Journal of Adaptive Control and Signal Processing</i> , 2018, 32, 27-49.	4.1	15
20	Multi-parameters optimization for electromagnetic acoustic transducers using surrogate-assisted particle swarm optimizer. <i>Mechanical Systems and Signal Processing</i> , 2021, 152, 107337.	8.0	13
21	Tracking control of nonlinear systems with improved performance via transformational approach. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 1789-1806.	3.7	12
22	Robust adaptive fault-tolerant quantized control of nonlinear systems with constraints on system behaviors and states. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 3215-3233.	3.7	9
23	An aRBF surrogate-assisted neighborhood field optimizer for expensive problems. <i>Swarm and Evolutionary Computation</i> , 2022, 68, 100972.	8.1	8
24	Adaptive asymptotic tracking control of constrained multi-input multi-output nonlinear systems via event-triggered strategy. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 1479-1496.	3.7	8
25	Robust Adaptive Fault-Tolerant Control of Nonlinear Systems With Assignable Tracking Performance Under Time-Varying Control Coefficients. <i>IEEE Access</i> , 2018, 6, 40757-40767.	4.2	6
26	Robust adaptive backstepping control of micro-turbines. , 2016, , .		5
27	The Flow Field Analysis and Flow Calculation of Ultrasonic Flowmeter Based on the Fluent Software. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-8.	0.7	4
28	Dynamic Neural Network Identification and Decoupling Control Approach for MIMO Time-Varying Nonlinear Systems. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-10.	0.7	3
29	Adaptive backstepping with exponential regulation in the absence of persistent excitation. , 2016, , .		3
30	Performance guaranteed tracking control of nonlinear systems under anomaly actuation: A neuro-adaptive fault-tolerant approach. <i>Neurocomputing</i> , 2018, 275, 2170-2178.	5.9	3
31	Exponential tracking control of MIMO nonlinear systems with actuator failures and nonparametric uncertainties. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 1604-1617.	3.7	3
32	Manifold Enhanced 2-D Fuzzy Subspace Clustering for Image Data. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2023, 53, 741-752.	9.3	3
33	Robust adaptive control of nonlinear systems with asymmetric non-smooth saturation. , 2016, , .		2
34	Lighting retrofit and maintenance models with decay and adaptive control. <i>IET Control Theory and Applications</i> , 2018, 12, 593-600.	2.1	2
35	Asymptotic Tracking Control for Uncertain MIMO Systems: A Biologically Inspired ESN Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 1881-1890.	11.3	2
36	Adaptive fault-tolerant control for uncertain nonlinear system with guaranteed pre-described performance. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
37	Mapping Function Based Adaptive Control of Nonlinear Systems with Output Constraint. , 2020, , .		1
38	A class of nonlinear system for lighting retrofit. , 2017, , .		0
39	Error Transformation-Based Accelerated Adaptive Tracking Control of Uncertain Robotic Manipulators. Lecture Notes in Computer Science, 2018, , 147-158.	1.3	0
40	Control of Nonlinear Systems with Asymmetric yet Time-varying Output Constraint: A Direct Transformational Approach. , 2019, , .		0