Kai Zhao

List of Publications by Year
in descending order

40 papers	1,410 citations	516710 16 h-index	434195 31 g-index
40 all docs	40 docs citations	40 times ranked	705 citing authors

#	ARTICLE	IF	CITATIONS
1	Unified Mapping Function-Based Neuroadaptive Control of Constrained Uncertain Robotic Systems. IEEE Transactions on Cybernetics, 2023, 53, 3665-3674.	9.5	16
2	Manifold Enhanced 2-D Fuzzy Subspace Clustering for Image Data. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 741-752.	9.3	3
3	Asymptotic Tracking Control for Uncertain MIMO Systems: A Biologically Inspired ESN Approach. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1881-1890.	11.3	2
4	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
5	An aRBF surrogate-assisted neighborhood field optimizer for expensive problems. Swarm and Evolutionary Computation, 2022, 68, 100972.	8.1	8
6	Exponential tracking control of MIMO nonlinear systems with actuator failures and nonparametric uncertainties. International Journal of Robust and Nonlinear Control, 2022, 32, 1604-1617.	3.7	3
7	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
8	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
9	Multi-parameters optimization for electromagnetic acoustic transducers using surrogate-assisted particle swarm optimizer. Mechanical Systems and Signal Processing, 2021, 152, 107337.	8.0	13
10	Adaptive asymptotic tracking control of constrained multi‐input multi‐output nonlinear systems via event‐triggered strategy. International Journal of Robust and Nonlinear Control, 2021, 31, 1479-1496.	3.7	8
11	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
12	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
13	Control of nonlinear systems under dynamic constraints: A unified barrier function-based approach. Automatica, 2020, 119, 109102.	5.0	110
14	Robust adaptive fault‐tolerant quantized control of nonlinear systems with constraints on system behaviors and states. International Journal of Robust and Nonlinear Control, 2020, 30, 3215-3233.	3.7	9
15	Mapping Function Based Adaptive Control of Nonlinear Systems with Output Constraint. , 2020, , .		1
16	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
17	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
18	Control of Nonlinear Systems with Asymmetric yet Time-varying Output Constraint: A Direct Transformational Approach. , 2019, , .		0

#	Article	IF	Citations
19	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
20	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
21	Tracking control of nonlinear systems with improved performance via transformational approach. International Journal of Robust and Nonlinear Control, 2019, 29, 1789-1806.	3.7	12
22	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
23	Lighting retrofit and maintenance models with decay and adaptive control. IET Control Theory and Applications, 2018, 12, 593-600.	2.1	2
24	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
25	Accelerated neuroadaptive tracking control of strict–feedback nonlinear systems without precise knowledge of target trajectory. International Journal of Adaptive Control and Signal Processing, 2018, 32, 27-49.	4.1	15
26	Performance guaranteed tracking control of nonlinear systems under anomaly actuation: A neuro-adaptive fault-tolerant approach. Neurocomputing, 2018, 275, 2170-2178.	5.9	3
27	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
28	Robust Adaptive Fault-Tolerant Control of Nonlinear Systems With Assignable Tracking Performance Under Time-Varying Control Coefficients. IEEE Access, 2018, 6, 40757-40767.	4.2	6
29	Error Transformation-Based Accelerated Adaptive Tracking Control of Uncertain Robotic Manipulators. Lecture Notes in Computer Science, 2018, , 147-158.	1.3	0
30	Indirect neuroadaptive control of unknown MIMO systems tracking uncertain target under sensor failures. Automatica, 2017, 77, 103-111.	5.0	33
31	Adaptive fault-tolerant control for uncertain nonlinear system with guaranteed pre-described performance. , 2017, , .		1
32	Accelerated adaptive control of nonlinear uncertain systems. , 2017, , .		17
33	Adaptive Control With Exponential Regulation in the Absence of Persistent Excitation. IEEE Transactions on Automatic Control, 2017, 62, 2589-2596.	5.7	74
34	A class of nonlinear system for lighting retrofit. , 2017, , .		0
35	Computationally inexpensive fault tolerant control of uncertain non–linear systems with non–smooth asymmetric input saturation and undetectable actuation failures. IET Control Theory and Applications, 2016, 10, 1866-1873.	2.1	21
36	Robust adaptive backstepping control of micro-turbines. , 2016, , .		5

#	Article	IF	Citations
37	Robust adaptive control of nonlinear systems with asymmetric non-smooth saturation. , 2016, , .		2
38	Adaptive backstepping with exponential regulation in the absence of persistent excitation. , 2016, , .		3
39	The Flow Field Analysis and Flow Calculation of Ultrasonic Flowmeter Based on the Fluent Software. Abstract and Applied Analysis, 2014, 2014, 1-8.	0.7	4
40	Dynamic Neural Network Identification and Decoupling Control Approach for MIMO Time-Varying Nonlinear Systems. Abstract and Applied Analysis, 2014, 2014, 1-10.	0.7	3