Qiang Shen

List of Publications by Year
in descending order

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227 papers	4,746 citations	109137 35 h-index	123241 61 g-index
228 all docs	228 docs citations	228 times ranked	3131 citing authors

#	Article	IF	Citations
1	Linear Phase Lead Compensation Repetitive Control of a CVCF PWM Inverter. IEEE Transactions on Industrial Electronics, 2008, 55, 1595-1602.	5.2	229
2	DOB-Based Neural Control of Flexible Hypersonic Flight Vehicle Considering Wind Effects. IEEE Transactions on Industrial Electronics, 2017, 64, 8676-8685.	5.2	201
3	Modeling and Analysis of Skidding and Slipping in Wheeled Mobile Robots: Control Design Perspective. IEEE Transactions on Robotics, 2008, 24, 676-687.	7.3	188
4	Integral-Type Sliding Mode Fault-Tolerant Control for Attitude Stabilization of Spacecraft. IEEE Transactions on Control Systems Technology, 2015, 23, 1131-1138.	3.2	188
5	Digital repetitive learning controller for three-phase CVCF PWM inverter. IEEE Transactions on Industrial Electronics, 2001, 48, 820-830.	5.2	166
6	Frequency Adaptive Selective Harmonic Control for Grid-Connected Inverters. IEEE Transactions on Power Electronics, 2015, 30, 3912-3924.	5.4	142
7	Learning impedance control for robotic manipulators. IEEE Transactions on Automation Science and Engineering, 1998, 14, 452-465.	2.4	133
8	On D-type and P-type ILC designs and anticipatory approach. International Journal of Control, 2000, 73, 890-901.	1.2	112
9	Decentralized slidingâ€mode control for attitude synchronization in spacecraft formation. International Journal of Robust and Nonlinear Control, 2013, 23, 1183-1197.	2.1	112
10	Robust Control Allocation for Spacecraft Attitude Tracking Under Actuator Faults. IEEE Transactions on Control Systems Technology, 2017, 25, 1068-1075.	3.2	99
11	Multirate Repetitive Control for PWM DC/AC Converters. IEEE Transactions on Industrial Electronics, 2014, 61, 2883-2890.	5.2	98
12	Direct neural discrete control of hypersonic flight vehicle. Nonlinear Dynamics, 2012, 70, 269-278.	2.7	96
13	A Generic Digital $nk pm m$-Order Harmonic Repetitive Control Scheme for PWM Converters. IEEE Transactions on Industrial Electronics, 2014, 61, 1516-1527.	5.2	91
14	Inertia-free fault-tolerant spacecraft attitude tracking using control allocation. Automatica, 2015, 62, 114-121.	3.0	82
15	Full-state tracking and internal dynamics of nonholonomic wheeled mobile robots. IEEE/ASME Transactions on Mechatronics, 2003, 8, 203-214.	3.7	81
16	Causality Assignment and Model Approximation for Hybrid Bond Graph: Fault Diagnosis Perspectives. IEEE Transactions on Automation Science and Engineering, 2010, 7, 570-580.	3.4	79
17	Quantitative Hybrid Bond Graph-Based Fault Detection and Isolation. IEEE Transactions on Automation Science and Engineering, 2010, 7, 558-569.	3.4	71
18	A General Parallel Structure Repetitive Control Scheme for Multiphase DCâ€“AC PWM Converters. IEEE Transactions on Power Electronics, 2013, 28, 3980-3987.	5.4	71

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19	Attitude Tracking Control of Rigid Spacecraft With Actuator Misalignment and Fault. IEEE Transactions on Control Systems Technology, 2013, 21, 2360-2366.	3.2	67
20	High Precision Satellite Attitude Tracking Control via Iterative Learning Control. Journal of Guidance, Control, and Dynamics, 2015, 38, 528-534.	1.6	63
21	Optimal Selective Harmonic Control for Power Harmonics Mitigation. IEEE Transactions on Industrial Electronics, 2015, 62, 1220-1230.	5.2	62
22	Closed-loop iterative learning control for non-linear systems with initial shifts. International Journal of Adaptive Control and Signal Processing, 2002, 16, 515-538.	2.3	54
23	Trajectory planning for a four-wheel-steering vehicle. , 0, , .		52
24	Vision-Based Flexible Leaderâ€“Follower Formation Tracking of Multiple Nonholonomic Mobile Robots in Unknown Obstacle Environments. IEEE Transactions on Control Systems Technology, 2020, 28, 1025-1033.	3.2	50
25	Model-Based Health Monitoring for a Vehicle Steering System With Multiple Faults of Unknown Types. IEEE Transactions on Industrial Electronics, 2014, 61, 3574-3586.	5.2	49
26	Mode Identification of Hybrid Systems in the Presence of Fault. IEEE Transactions on Industrial Electronics, 2010, 57, 1452-1467.	5.2	48
27	Electrochemical mechanical polishing technology: recent developments and future research and industrial needs. International Journal of Advanced Manufacturing Technology, 2016, 86, 1909-1924.	1.5	48
28	Model-Based Diagnosis and RUL Estimation of Induction Machines Under Interturn Fault. IEEE Transactions on Industry Applications, 2017, 53, 2690-2701.	3.3	47
29	A Data-Driven Iterative Feedback Tuning Approach of ALINEA for Freeway Traffic Ramp Metering With PARAMICS Simulations. IEEE Transactions on Industrial Informatics, 2013, 9, 2310-2317.	7.2	46
30	Prognosis of Hybrid Systems With Multiple Incipient Faults: Augmented Global Analytical Redundancy Relations Approach. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2011, 41, 540-551.	3.4	45
31	Rigid-Body Attitude Tracking Control Under Actuator Faults and Angular Velocity Constraints. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1338-1349.	3.7	45
32	Analysis of Nonlinear Discrete-Time Systems with Higher-Order Iterative Learning Control. Journal of Dynamical and Control Systems, 2001, 11, 81-96.	0.4	43
33	Cooperative Control of Multiple UAVs for Moving Source Seeking. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 74, 333-346.	2.0	42
34	A High-Bandwidth End-Effector With Active Force Control for Robotic Polishing. IEEE Access, 2020, 8, 169122-169135.	2.6	41
35	Non-linear output feedback tracking control for AUVs in shallow wave disturbance condition. International Journal of Control, 2008, 81, 1806-1823.	1.2	38
36	A Practical Leaderâ€“Follower Tracking Control Scheme for Multiple Nonholonomic Mobile Robots in Unknown Obstacle Environments. IEEE Transactions on Control Systems Technology, 2019, 27, 1685-1693.	3.2	37

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37	Decentralized sliding-mode control for spacecraft attitude synchronization under actuator failures. Acta Astronautica, 2014, 105, 333-343.	1.7	36
38	A Novel Model for Fully Closed-Loop System of Hemispherical Resonator Gyroscope Under Force-to-Rebalance Mode. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9918-9930.	2.4	35
39	Collaborative Semantic Understanding and Mapping Framework for Autonomous Systems. IEEE/ASME Transactions on Mechatronics, 2021, 26, 978-989.	3.7	34
40	Velocity-free fault-tolerant control allocation for flexible spacecraft with redundant thrusters. International Journal of Systems Science, 2015, 46, 976-992.	3.7	33
41	Hierarchical Probabilistic Fusion Framework for Matching and Merging of 3-D Occupancy Maps. IEEE Sensors Journal, 2018, 18, 8933-8949.	2.4	33
42	Zero Phase Learning Control Using Reversed Time Input Runs. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2005, 127, 133-139.	0.9	32
43	Day and Night Collaborative Dynamic Mapping in Unstructured Environment Based on Multimodal Sensors. , 2020, , .		32
44	An Integrated Approach to Mode Tracking and Diagnosis of Hybrid Systems. IEEE Transactions on Industrial Electronics, 2014, 61, 2024-2040.	5.2	30
45	A Method for Incipient Interturn Fault Detection and Severity Estimation of Induction Motors Under Inherent Asymmetry and Voltage Imbalance. IEEE Transactions on Transportation Electrification, 2017, 3, 703-715.	5.3	30
46	Motion Capability Analysis for Multiple Fixed-Wing UAV Formations With Speed and Heading Rate Constraints. IEEE Transactions on Control of Network Systems, 2020, 7, 977-989.	2.4	30
47	Iterative Learning Control Design for Uncertain Dynamic Systems with Delayed States. Journal of Dynamical and Control Systems, 2000, 10, 341-357.	0.4	29
48	Polishing of uneven surfaces using industrial robots based on neural network and genetic algorithm. International Journal of Advanced Manufacturing Technology, 2017, 93, 1463-1471.	1.5	29
49	Time-optimal reorientation for rigid satellite with reaction wheels. International Journal of Control, 2012, 85, 1452-1463.	1.2	28
50	Adaptive Neural Control of a Hypersonic Vehicle in Discrete Time. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 73, 219-231.	2.0	28
51	Formation Reconstruction and Trajectory Replanning for Multi-UAV Patrol. IEEE/ASME Transactions on Mechatronics, 2021, 26, 719-729.	3.7	28
52	Unified robust zero-error tracking control of CVCF PWM converters. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 492-501.	0.1	27
53	Performance improvement of repetitive controlled PWM inverters: A phaseâ€lead compensation solution. International Journal of Circuit Theory and Applications, 2010, 38, 453-469.	1.3	26
54	A Multilevel Fusion System for Multirobot 3-D Mapping Using Heterogeneous Sensors. IEEE Systems Journal, 2020, 14, 1341-1352.	2.9	26

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55	Semantic Reinforced Attention Learning for Visual Place Recognition. , 2021, , .		26
56	Anticipatory iterative learning control for nonlinear systems with arbitrary relative degree. IEEE Transactions on Automatic Control, 2001, 46, 783-788.	3.6	25
57	A Survey of Robotic Polishing. , 2018, , .		25
58	Integrated Estimation for Wheeled Mobile Robot posture, velocities, and wheel skidding perturbations. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	23
59	Cutoff-Frequency Phase-In Iterative Learning Control. IEEE Transactions on Control Systems Technology, 2009, 17, 681-687.	3.2	23
60	Autonomous Target Docking of Nonholonomic Mobile Robots Using Relative Pose Measurements. IEEE Transactions on Industrial Electronics, 2021, 68, 7233-7243.	5.2	23
61	Learning control for a class of nonlinear differential-algebraic systems with application to constrained robots. Journal of Field Robotics, 1996, 13, 141-151.	0.7	22
62	RFS Collaborative Multivehicle SLAM: SLAM in Dynamic High-Clutter Environments. IEEE Robotics and Automation Magazine, 2014, 21, 53-59.	2.2	21
63	Adaptive walking control of biped robots using online trajectory generation method based on neural oscillators. Journal of Bionic Engineering, 2016, 13, 572-584.	2.7	21
64	Secure Pose Estimation for Autonomous Vehicles under Cyber Attacks. , 2019, , .		20
65	Fault Modeling, Estimation, and Fault-Tolerant Steering Logic Design for Single-Gimbal Control Moment Gyro. IEEE Transactions on Control Systems Technology, 2021, 29, 428-435.	3.2	20
66	Output feedback control design for station keeping of AUVs under shallow water wave disturbances. International Journal of Robust and Nonlinear Control, 2009, 19, 1447-1470.	2.1	19
67	Detection and Isolation of Sensor Attacks for Autonomous Vehicles: Framework, Algorithms, and Validation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8247-8259.	4.7	19
68	Simple LMI based learning control design. Asian Journal of Control, 2009, 11, 74-77.	1.9	18
69	Global stabilization for constrained robot motions with constraint uncertainties. Robotica, 1998, 16, 171-179.	1.3	17
70	Fault parameter estimation for hybrid systems using hybrid bond graph. , 2009, , .		17
71	Stability analysis of the equilibrium of a constrained mechanical system. International Journal of Control, 1994, 60, 733-746.	1.2	16
72	A Novel Navigation Method for Autonomous Mobile Vehicles. Journal of Intelligent and Robotic Systems: Theory and Applications, 2001, 32, 361-388.	2.0	16

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73	Modeling Skidding and Slipping in Wheeled Mobile Robots: Control Design Perspective. , 2006, , .		16
74	Attitude Stabilization Using Two Parallel Single-Gimbal Control Moment Gyroscopes. Journal of Guidance, Control, and Dynamics, 2019, 42, 1353-1364.	1.6	16
75	Repetitive learning control of nonlinear systems over finite intervals. Science China Information Sciences, 2010, 53, 115-128.	2.7	15
76	Multi-channel learning using anticipatory ILCs. International Journal of Control, 2004, 77, 1189-1199.	1.2	14
77	Pseudo-downsampled iterative learning control. International Journal of Robust and Nonlinear Control, 2008, 18, 1072-1088.	2.1	14
78	Mode Tracking of Hybrid Systems in FDI Framework. , 2008, , .		14
79	Prognosis of Electric Scooter With Intermittent Faults: Dual Degradation Processes Approach. IEEE Transactions on Vehicular Technology, 2022, 71, 1411-1425.	3.9	14
80	Sampled-data iterative learning control with well-defined relative degree. International Journal of Robust and Nonlinear Control, 2004, 14, 719-739.	2.1	13
81	An Analysis of Wheeled Mobile Robots in the Presence of skidding and slipping: Control Design Perspective. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	13
82	Mode tracking and FDI of hybrid systems. , 2008, , .		13
83	A Passive Repetitive Controller for Discrete-Time Finite-Frequency Positive-Real Systems. IEEE Transactions on Automatic Control, 2009, 54, 800-804.	3.6	13
84	Fault Diagnosis for Satellite Attitude Control Systems With Four Flywheels. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	0.9	12
85	Magnetic-Assisted Initialization for Infrastructure-free Mobile Robot Localization. , 2019, , .		12
86	A novel behavior fusion method for the navigation of mobile robots. , 0, , .		11
87	Neural network based terminal iterative learning control for uncertain nonlinear nonâ€affine systems. International Journal of Adaptive Control and Signal Processing, 2015, 29, 1274-1286.	2.3	11
88	Sensor Placement for Fault Isolability Based on Bond Graphs. IEEE Transactions on Automatic Control, 2015, 60, 3041-3046.	3.6	11
89	Robust submap-based probabilistic inconsistency detection for multi-robot mapping. , 2017, , .		11
90	Sensor Placement for Fault Isolability Using Low Complexity Dynamic Programming. IEEE Transactions on Automation Science and Engineering, 2015, 12, 1080-1091.	3.4	10

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91	Fault severity estimation using nonlinear Kalman filter for induction motors under inter-turn fault. , 2016, , .		10
92	Iterative Tuning With Reactive Compensation for Urban Traffic Signal Control. IEEE Transactions on Control Systems Technology, 2017, 25, 2047-2059.	3.2	10
93	SLAT-Calib: Extrinsic Calibration between a Sparse 3D LiDAR and a Limited-FOV Low-resolution Thermal Camera. , 2019, , .		10
94	Infrastructure-Free Hierarchical Mobile Robot Global Localization in Repetitive Environments. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	2.4	10
95	Attention Based Graph Bi-LSTM Networks for Traffic Forecasting. , 2020, , .		10
96	Energy-Based Mode Tracking of Hybrid Systems for FDI. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 14-28.	5.9	9
97	Improved Design of The End-Effector for Macro-Mini Robotic Polishing Systems. , 2017, , .		9
98	A Unified Approach to Variable Structure Control of Robot Manipulators. , 1992, , .		8
99	GPS/encoder based precise navigation for a 4WS mobile robot. , 0, , .		8
100	Better robot tracking accuracy with phase lead compensated ILC. , 0, , .		8
101	Fault detection and isolation in a mobile robot test-bed. , 2009, , .		8
102	Decentralized control for satellite formation using local relative measurements only. , 2010, , .		8
103	Extending Bayesian RFS SLAM to multi-vehicle SLAM. , 2012, , .		8
104	A novel mechatronics design of an electrochemical mechanical end-effector for robotic-based surface polishing. , 2015, , .		8
105	3D feature points detection on sparse and non-uniform pointcloud for SLAM. , 2017, , .		8
106	Collaborative Semantic Perception and Relative Localization Based on Map Matching. , 2020, , .		8
107	Real-time normal contact force control for robotic surface processing of workpieces without a priori geometric model. International Journal of Advanced Manufacturing Technology, 2022, 119, 2537-2551.	1.5	8
108	On anticipatory iterative learning control designs for continuous time nonlinear dynamic systems. , 0, , .		7

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109	Multi-channel design for ILC with robot experiments. , 0, , .		7
110	A nonlinear observer for AUVs in shallow water environment. , 0, , .		7
111	A New Passive Repetitive Controller For Discrete-Time Finite-Frequency Positive-Real Systems. , 2006, , .		7
112	A New Navigation Function Based Decentralized Control of Multi-Vehicle Systems in Unknown Environments. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 87, 363-377.	2.0	7
113	Formation tracking of multi-vehicle systems in unknown environments using a multi-region control scheme. International Journal of Control, 2017, 90, 2760-2771.	1.2	7
114	Finite time moving target tracking using nonholonomic vehicles with distance and bearing angle constraints. , 2017, , .		7
115	Probabilistic Fusion Framework for Collaborative Robots 3D Mapping. , 2018, , .		7
116	Hybrid condition monitoring of nonlinear mechatronic system using biogeography-based optimization particle filter and optimized extreme learning machine. ISA Transactions, 2022, 120, 342-359.	3.1	7
117	Learning impedance control for robotic manipulators. , 0, , .		6
118	Control of constrained manipulators with flexible joints. Journal of Dynamical and Control Systems, 1996, 6, 33-48.	0.4	6
119	Model reference learning approach and its applications to robot impedance control. , 0, , .		6
120	Development and Implementation of a Fault-Tolerant Vehicle-Following Controller for a Four-Wheel-Steering Vehicle. , 2006, , .		6
121	Effective motion control of the biomimetic undulating fin via iterative learning. , 2009, , .		6
122	Satellite formation keeping via real-time optimal control and iterative learning control. , 2009, , .		6
123	Stability and robustness analysis of cyclic pseudo-downsampled iterative learning control. International Journal of Control, 2010, 83, 651-659.	1.2	6
124	On learning transient, auto-tunings of learnable bandwidth and lead step in iterative learning control. International Journal of Systems Science, 2010, 41, 353-363.	3.7	6
125	Recurrent neural tracking control based on multivariable robust adaptive gradient-descent training algorithm. Neural Computing and Applications, 2012, 21, 1745-1755.	3.2	6
126	Model-based failure prediction for electric machines using particle filter. , 2014, , .		6

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127	Driving Behavior Assessment and Anomaly Detection for Intelligent Vehicles. , 2019, , .		6
128	Dual-Domain-Based Adversarial Defense With Conditional VAE and Bayesian Network. IEEE Transactions on Industrial Informatics, 2021, 17, 596-605.	7.2	6
129	Place Recognition Using Line-Junction-Lines in Urban Environments. , 2019, , .		6
130	Infrastructure-Free Global Localization in Repetitive Environments: An Overview. , 2020, , .		6
131	Exponential stabilization of extended chained forms. , 2000, , .		5
132	A unified nonlinear controller for a platoon of car-like vehicles. , 2004, , .		5
133	Stability and Robustness Analysis of Cyclic Pseudo-Downsampled ILC. , 2007, , .		5
134	A Comparative Analysis on Rigid and Flexible Formations of Multiple Differential-Drive Mobile Robots: A Motion Capability Perspective. , 2019, , .		5
135	Domain-Adversarial-based Temporal Graph Convolutional Network for Traffic Flow Prediction Problem. , 2021, , .		5
136	Distributed Adaptive Attitude Takeover Control of Failed Spacecraft With Parameters Identification. IEEE Transactions on Control Systems Technology, 2023, 31, 897-904.	3.2	5
137	LB-L2L-Calib: Accurate and Robust Extrinsic Calibration for Multiple 3D LiDARs with Long Baseline and Large Viewpoint Difference. , 2022, , .		5
138	Learning control for a class of nonlinear differential-algebraic systems with application to constrained robots. , 0, , .		4
139	Full state tracking and internal dynamics of nonholonomic wheeled mobile robots. , 2000, , .		4
140	Sampled-data iterative learning control for SISO nonlinear systems with arbitrary relative degree. , 2000, , .		4
141	Analysis and design of anticipatory learning control. , 0, , .		4
142	Accurate positioning for real-time control purpose integration of GPS, NAV200 and encoder data. , 0, , .		4
143	Passive and periodic circular-like formations at critical inclination around an oblate earth. , 2010, , .		4
144	Cooperative ground target tracking with input constraints. , 2010, , .		4

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145	Fractional Describing Function Analysis of PWPF Modulator. Mathematical Problems in Engineering, 2013, 2013, 1-5.	0.6	4
146	Improved cascade-type repetitive control of grid-tied inverter with LCL filter. , 2014, , .		4
147	Iterative tuning strategy for setting phase splits with anticipation of traffic demand in urban traffic network. IET Control Theory and Applications, 2016, 10, 1469-1479.	1.2	4
148	Knowledge-based role recognition by using human-object interaction and spatio-temporal analysis. , 2017, , .		4
149	CODNet: A Center and Orientation Detection Network for Power Line Following Navigation. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	4
150	Initial shift problem and its ILC solution for nonlinear systems with higher relative degree. , 2000, , .		3
151	Position and orientation estimation with high accuracy for a car-like vehicle. , 0, , .		3
152	Dynamics-based full-state tracking for a car-like mobile robot. , 0, , .		3
153	Nonlinear Adaptive Observer Design for Tracking Control of AUVs in Wave Disturbance Condition. , 2006, , .		3
154	Comparison study of relative dynamic models for satellite formation flying. , 2008, , .		3
155	Mode dependent threshold for FDI in hybrid systems. , 2010, , .		3
156	Decentralized attitude coordinated control without velocity measurements for spacecraft formation. , 2010, , .		3
157	Incipient fault diagnosis and prognosis for hybrid systems with unknown mode changes. , 2010, , .		3
158	Sensor selection and placement using low complexity dynamic programming. , 2012, , .		3
159	Sensor placement for fault diagnosis using genetic algorithm. , 2012, , .		3
160	Onboard pseudospectral guidance for re-entry vehicle. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2014, 228, 1925-1936.	0.7	3
161	A robust recurrent simultaneous perturbation stochastic approximation training algorithm for recurrent neural networks. Neural Computing and Applications, 2014, 24, 1851-1866.	3.2	3
162	Probabilistic 3D Semantic Map Fusion Based on Bayesian Rule. , 2019, , .		3

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163	Fault modeling of general momentum exchange devices in spacecraft attitude control systems. Journal of the Franklin Institute, 2020, 357, 6407-6434.	1.9	3
164	Neural-network-based adaptive quantized attitude takeover control of spacecraft by using cellular satellites. Advances in Space Research, 2022, 70, 1965-1978.	1.2	3
165	A model reaching learning control scheme for a class of nonlinear systems. , 0, , .		2
166	A learning control scheme based on neural networks for repeatable robot trajectory tracking. , 1999, , .		2
167	Cutoff-frequency phase-in ILC to overcome initial position offsets. , 0, , .		2
168	Experimental study of time-frequency based ILC. , 0, , .		2
169	On learning transient and cutoff frequency tuning in ILC. , 0, , .		2
170	Nonlinear Output Feedback Controller Design For Tracking Control of ODIN In Wave Disturbance Condition. , 0, , .		2
171	Dynamic positioning of AUVs in shallow water environment: observer and controller design. , 0, , .		2
172	Locomotion control of quadruped robots based on CPG-inspired workspace trajectory generation. , 2011, , .		2
173	An affine invariant feature detection method based on SIFT and MSER. , 2012, , .		2
174	Online prediction of time series data with recurrent kernels. , 2012, , .		2
175	Navigation of multiple mobile robots in unknown environments using a new decentralized navigation function. , 2016, , .		2
176	Organ-Based Facial Verification Using Thermal Camera. , 2016, , .		2
177	Investigation on stator winding interturn fault in induction motor using the autotransformer based approach. , 2017, , .		2
178	A Framework for 3D Object Detection and Pose Estimation in Unstructured Environment Using Single Shot Detector and Refined LineMOD Template Matching. , 2019, , .		2
179	FPGA Implementation of HoG-based Space Target Distance Measurement. , 2021, , .		2
180	RSAN: A Retinex based Self Adaptive Stereo Matching Network for Day and Night Scenes. , 2020, , .		2

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181	Robust discrete-time iterative learning control: initial shift problem. , 0, , .		2
182	Aerial-Ground Robots Collaborative 3D Mapping in GNSS-Denied Environments. , 2022, , .		2
183	Two Nonlinear Robot Controllers for Robust Path Tracking. , 1993, , .		1
184	Sampled-data iterative learning control for a class of nonlinear systems. , 1999, , .		1
185	A NN controller and tracking error bound for robotic manipulators. , 0, , .		1
186	Robust control of full state tracking of a wheeled mobile robot. , 0, , .		1
187	Neural-Network Static Learning Controller in DCT Subspace. , 2003, , .		1
188	Non-Causal Filtering Based MIMO Learning Control Laws. , 2003, , .		1
189	A platooning controller robust to vehicular faults. , 0, , .		1
190	Reducing the effect of initial condition offsets using selective previous cycle data. , 0, , .		1
191	Full State Tracking of a Four-Wheel-Steering Vehicle based on Output Tracking Control Strategies. , 2006, , .		1
192	Iterative learning control for a class of systems with hysteresis. , 2008, , .		1
193	FDI and fault estimation based on differential evolution and analytical redundancy relations. , 2010, , .		1
194	Sequential prognosis of multiple failures for hybrid systems based on dynamic fault isolation and computational intelligence. , 2011, , .		1
195	Discrete flight path angle tracking control of hypersonic flight vehicles via multi-rate sampling. , 2012, , .		1
196	Prediction of multiple failures for a mobile robot steering system. , 2012, , .		1
197	A new gain function for compact exploration. , 2012, , .		1
198	Traffic cone detection and localization in TechX Challenge 2013. , 2014, , .		1

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199	High-precision attitude control for satellite with repeat ground track orbit. , 2014, , .		1
200	Environment characterization using Laplace eigenvalues. , 2016, , .		1
201	Inter-turn fault and condition identification in induction machines using multiple indicator approach. , 2016, , .		1
202	Adversarial Attacks for Object Detection. , 2020, , .		1
203	Winding Fault Diagnosis and Failure Prognosis Technique for Brushless Synchronous Generator. Electric Power Components and Systems, 2020, 48, 1159-1170.	1.0	1
204	Formulation and Simulation of Constrained Robot Motion. , 0, , .		0
205	Fuzzy Logic Joint Path Generation for Kinematic Redundant Manipulators with Multiple Criteria. Journal of Intelligent and Fuzzy Systems, 1996, 4, 89-99.	0.8	0
206	A switching control law for extended chained forms. , 0, , .		0
207	Tracking Accuracy Improvement by Sliding Phase-in Iterative Learning Control. , 2006, , .		0
208	Discrete Time Multi-Channel Learning Controller. , 2006, , .		0
209	Recurrent neural network based tracking control. , 2010, , .		0
210	Mode tracking and diagnosis of hybrid systems, an integrated approach. , 2012, , .		0
211	Weight-varying Neural Network for parameter identification of automatic vehicle. , 2012, , .		0
212	Velocity-free fault tolerant control allocation for flexible spacecraft with redundant thrusters. , 2012, , .		0
213	Neural control for longitudinal dynamics of hypersonic aircraft. , 2013, , .		0
214	Finite-time attitude synchronization for spacecraft formation flying via output feedback. , 2014, , .		0
215	Selective harmonic control for power converters. , 2014, , .		0
216	Intelligent fault diagnosis of induction motor with stator winding fault. , 2015, , .		0

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217	Prognosis of induction motor with stator winding shorted turn fault. , 2015, , .		0
218	A multiple indicator approach for FDI of inter-turn fault in induction machines. , 2016, , .		0
219	Interturn fault and condition identification in BLSG using multiple indicator approach. , 2017, , .		0
220	Acceleration Feedback Enhanced <tex>H_{infty}</tex> Control of Unmanned Aerial Vehicle for Wind Disturbance Rejection. , 2018, , .		0
221	Model Free Adaptive Predictive Perimeter Control for an Urban Traffic Network. , 2018, , .		0
222	Fault Modeling and Estimation for CMG. , 2018, , .		0
223	Fault Estimation and Fault-Tolerant Steering Law for Single Gimbal Control Moment Gyro Systems. , 2019, , .		0
224	Defense against Adversarial Vision Perturbations via Subspace Diagnosis. , 2019, , .		0
225	Multi-channel design for iterative learning control. , 2004, , .		0
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