Kexin Guo

List of Publications by Citations

328 papers	9,702 citations	48 h-index	88 g-index
402 ext. papers	12,606 ext. citations	4 avg, IF	7.12 L-index

#	Paper	IF	Citations
328	Disturbance-Observer-Based Control and Related Methods—An Overview. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 1083-1095	8.9	1184
327	Disturbance attenuation and rejection for systems with nonlinearity via DOBC approach. *International Journal of Robust and Nonlinear Control*, **2005**, 15, 109-125	3.6	478
326	Disturbance/Uncertainty Estimation and Attenuation Techniques in PMSM Drives—A Survey. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 3273-3285	8.9	263
325	Composite disturbance-observer-based control and H control for complex continuous models. *International Journal of Robust and Nonlinear Control*, **2010**, 20, 106-118	3.6	245
324	Identification and Stochastic Adaptive Control. *Systems and Control: Foundations and Applications*, **1991**,	0.3	228
323	. *IEEE Transactions on Aerospace and Electronic Systems*, **2013**, 49, 1263-1275	3.7	215
322	Anti-disturbance control theory for systems with multiple disturbances: a survey. *ISA Transactions*, **2014**, 53, 846-9	5.5	200
321	. *IEEE Transactions on Industrial Informatics*, **2016**, 12, 1786-1794	11.9	182
320	Stabilization of switched linear systems. *IEEE Transactions on Automatic Control*, **2005**, 50, 661-666	5.9	179
319	Composite disturbance-observer-based control and terminal sliding mode control for non-linear systems with disturbances. *International Journal of Control*, **2009**, 82, 1082-1098	1.5	175
318	Composite anti-disturbance control for Markovian jump nonlinear systems via disturbance observer. *Automatica*, **2013**, 49, 2538-2545	5.7	158
317	Adaptive Fault-Tolerant Attitude Tracking Control of Spacecraft With Prescribed Performance. *IEEE/ASME Transactions on Mechatronics*, **2018**, 23, 331-341	5.5	144
316	Convergence rate of least-squares identification and adaptive control for stochastic systems. *International Journal of Control*, **1986**, 44, 1459-1476	1.5	117
315	How much uncertainty can be dealt with by feedback?. *IEEE Transactions on Automatic Control*, **2000**, 45, 2203-2217	5.9	110
314	Optimal control for networked control systems with disturbances: a delta operator approach. *IET Control Theory and Applications*, **2017**, 11, 1325-1332	2.5	107
313	. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 1973-1983	8.9	107
312	Fault detection and diagnosis for general stochastic systems using B-spline expansions and nonlinear filters. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2005**, 52, 1644-1652		103

311	On quadratic Lyapunov functions. *IEEE Transactions on Automatic Control*, **2003**, 48, 885-890	5.9	102
310	Wheat yellow rust monitoring by learning from multispectral UAV aerial imagery. *Computers and Electronics in Agriculture*, **2018**, 155, 157-166	6.5	97
309	Neural Network-Based DOBC for a Class of Nonlinear Systems With Unmatched Disturbances. *IEEE Transactions on Neural Networks and Learning Systems*, **2017**, 28, 482-489	10.3	94
308	Hierarchical anti-disturbance adaptive control for non-linear systems with composite disturbances and applications to missile systems. *Transactions of the Institute of Measurement and Control*, **2011**, 33, 942-956	1.8	92
307	Novel adaptive strategies for synchronization of linearly coupled neural networks with reaction-diffusion terms. *IEEE Transactions on Neural Networks and Learning Systems*, **2014**, 25, 429-40	10.3	91
306	An anti-disturbance PD control scheme for attitude control and stabilization of flexible spacecrafts. *Nonlinear Dynamics*, **2012**, 67, 2081-2088	5	91
305	. *IEEE Transactions on Industrial Electronics*, **2014**, 61, 7004-7012	8.9	89
304	Composite adaptive disturbance observer based control and back-stepping method for nonlinear system with multiple mismatched disturbances. *Journal of the Franklin Institute*, **2014**, 351, 1027-1041	4	87
303	Further results on delay-dependent stability criteria of neural networks with time-varying delays. *IEEE Transactions on Neural Networks*, **2008**, 19, 726-30		87
302	Robust stability for neural networks with time-varying delays and linear fractional uncertainties. *Neurocomputing*, **2007**, 71, 421-427	5.4	83
301	Passivity and stability analysis of reaction-diffusion neural networks with Dirichlet boundary conditions. *IEEE Transactions on Neural Networks*, **2011**, 22, 2105-16		81
300	Self-convergence of weighted least-squares with applications to stochastic adaptive control. *IEEE Transactions on Automatic Control*, **1996**, 41, 79-89	5.9	80
299	PID controller design for output PDFs of stochastic systems using linear matrix inequalities. *IEEE Transactions on Systems, Man, and Cybernetics*, **2005**, 35, 65-71		76
298	Soft Control on Collective Behavior of a Group of Autonomous Agents By a Shill Agent. *Journal of Systems Science and Complexity*, **2006**, 19, 54-62	1	74
297	PID controller design for second order nonlinear uncertain systems. *Science China Information Sciences*, **2017**, 60, 1	3.4	73
296	Decentralized output-feedback adaptive control for a class of interconnected nonlinear systems with unknown actuator failures. *Automatica*, **2016**, 71, 187-196	5.7	73
295	Minimum entropy filtering for multivariate stochastic systems with non-Gaussian noises. *IEEE Transactions on Automatic Control*, **2006**, 51, 695-700	5.9	73
294	Ultra-Wideband-Based Localization for Quadcopter Navigation. *Unmanned Systems*, **2016**, 04, 23-34	3	72

293	. *IEEE Transactions on Fuzzy Systems*, **2014**, 22, 1401-1412	8.3	70
292	Ultra-Wideband and Odometry-Based Cooperative Relative Localization With Application to Multi-UAV Formation Control. *IEEE Transactions on Cybernetics*, **2020**, 50, 2590-2603	10.2	67
291	Event-Triggered Strategy Design for Discrete-Time Nonlinear Quadratic Games With Disturbance Compensations: The Noncooperative Case. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 1885-1896	7.3	66
290	Event-Triggered Adaptive Attitude Tracking Control for Spacecraft With Unknown Actuator Faults. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 2241-2250	8.9	64
289	On critical stability of discrete-time adaptive nonlinear control. *IEEE Transactions on Automatic Control*, **1997**, 42, 1488-1499	5.9	59
288	Stochastic Distribution Control System Design. *Advances in Industrial Control*, **2010**,	0.3	58
287	Ultra-wideband based cooperative relative localization algorithm and experiments for multiple unmanned aerial vehicles in GPS denied environments. *International Journal of Micro Air Vehicles*, **2017**, 9, 169-186	0.8	57
286	Non-linear disturbance observer-based back-stepping control for airbreathing hypersonic vehicles with mismatched disturbances. *IET Control Theory and Applications*, **2014**, 8, 1852-1865	2.5	55
285	Robust Adaptive Nonsingular Terminal Sliding Mode Control for Automatic Train Operation. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 2406-2415	7.3	55
284	Coupling-observer-based nonlinear control for flexible air-breathing hypersonic vehicles. *Nonlinear Dynamics*, **2014**, 78, 2141-2159	5	54
283	The role of model validation for assessing the size of the unmodeled dynamics. *IEEE Transactions on Automatic Control*, **1997**, 42, 1230-1239	5.9	51
282	Disturbance-Observer-Based Composite Hierarchical Antidisturbance Control for Singular Markovian Jump Systems. *IEEE Transactions on Automatic Control*, **2019**, 64, 2875-2882	5.9	51
281	Robust fault-tolerant control for flexible spacecraft against partial actuator failures. *Nonlinear Dynamics*, **2014**, 76, 1753-1760	5	49
280	Convergence of a Class of Multi-Agent Systems In Probabilistic Framework. *Journal of Systems Science and Complexity*, **2007**, 20, 173-197	1	46
279	Generalized discrete-time PI control of output PDFs using square root B-spline expansion. *Automatica*, **2005**, 41, 159-162	5.7	45
278	Performance analysis of the forgetting factor RLS algorithm. *International Journal of Adaptive Control and Signal Processing*, **1993**, 7, 525-537	2.8	44
277	Aerial Visual Perception in Smart Farming: Field Study of Wheat Yellow Rust Monitoring. *IEEE Transactions on Industrial Informatics*, **2021**, 17, 2242-2249	11.9	44
276	Disturbance observer based robust mixed H2/H∞ fuzzy tracking control for hypersonic vehicles. *Fuzzy Sets and Systems*, **2017**, 306, 118-136	3.7	43

275	Composite control of linear quadratic games in delta domain with disturbance observers. *Journal of the Franklin Institute*, **2017**, 354, 1673-1695	4	43
274	. *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 401-418	8.3	43
273	Resilient Control of Wireless Networked Control System Under Denial-of-Service Attacks: A Cross-Layer Design Approach. *IEEE Transactions on Cybernetics*, **2020**, 50, 48-60	10.2	43
272	Force Reflecting Control for Bilateral Teleoperation System Under Time-Varying Delays. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 1162-1172	11.9	42
271	Multiple observers based anti-disturbance control for a quadrotor UAV against payload and wind disturbances. *Control Engineering Practice*, **2020**, 102, 104560	3.9	42
270	Disturbance-Observer-Based Fault Tolerant Control of High-Speed Trains: A Markovian Jump System Model Approach. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 1476-1485	7.3	42
269	Stability analysis of reaction–diffusion Cohen–Grossberg neural networks under impulsive control. *Neurocomputing*, **2013**, 106, 21-30	5.4	40
268	Delay-range-dependent robust stability and stabilization for uncertain systems with time-varying delay. *International Journal of Robust and Nonlinear Control*, **2008**, 18, 1372-1387	3.6	40
267	Disturbance Rejection Fuzzy Control for Nonlinear Parabolic PDE Systems via Multiple Observers. *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 1334-1348	8.3	37
266	Constrained PI Tracking Control for Output Probability Distributions Based on Two-Step Neural Networks. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2009**, 56, 1416-1426	3.9	37
265	Flight Control Design for Small-Scale Helicopter Using Disturbance-Observer-Based Backstepping. *Journal of Guidance, Control, and Dynamics*, **2015**, 38, 2235-2240	2.1	36
264	Adaptive statistic tracking control based on two-step neural networks with time delays. *IEEE Transactions on Neural Networks*, **2009**, 20, 420-9		36
263	Fault tolerant control with disturbance rejection and attenuation performance for systems with multiple disturbances. *Asian Journal of Control*, **2011**, 13, 1056-1064	1.7	35
262	Applying constrained nonlinear generalized PI strategy to PDF tracking control through square root B-spline models. *International Journal of Control*, **2004**, 77, 1481-1492	1.5	35
261	Composite disturbance-observer-based control and terminal sliding mode control for uncertain structural systems. *International Journal of Systems Science*, **2009**, 40, 1009-1017	2.3	34
260	Entropy Optimization Filtering for Fault Isolation of Nonlinear Non-Gaussian Stochastic Systems. *IEEE Transactions on Automatic Control*, **2009**, 54, 804-810	5.9	34
259	Fuzzy normalization and stabilization for a class of nonlinear rectangular descriptor systems. *Neurocomputing*, **2017**, 219, 263-268	5.4	33
258	Containment control of heterogeneous fractional-order multi-agent systems. *Journal of the Franklin Institute*, **2019**, 356, 752-765	4	33

257 Active Disturbance Rejection Control for the Ranger Neutral Buoyancy Vehicle: A Delta Operator Approach. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 9410-9420 | 8.9 | 31

256 Spatio-temporal monitoring of wheat yellow rust using UAV multispectral imagery. *Computers and Electronics in Agriculture*, **2019**, 167, 105035 | 6.5 | 31

255 Active disturbance rejection control for a pneumatic motion platform subject to actuator saturation: An extended state observer approach. *Automatica*, **2019**, 107, 353-361 | 5.7 | 31

254 . *IEEE Transactions on Industrial Electronics*, **2015**, 62, 5758-5762 | 8.9 | 30

253 Robust Consensus and Soft Control of Multi-Agent Systems with Noises*. *Journal of Systems Science and Complexity*, **2008**, 21, 406-415 | 1 | 30

252 Barrier Lyapunov Functions-Based Adaptive Fault Tolerant Control for Flexible Hypersonic Flight Vehicles With Full State Constraints. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 3391-3400 | 7.3 | 30

251 Finite-time super-twisting sliding mode control for Mars entry trajectory tracking. *Journal of the Franklin Institute*, **2015**, 352, 5226-5248 | 4 | 29

250 Nussbaum-type function-based attitude control of spacecraft with actuator saturation. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 2927-2949 | 3.6 | 29

249 Disturbance-observer-based control & H∞ control for non-linear Markovian jump singular systems with multiple disturbances. *IET Control Theory and Applications*, **2014**, 8, 1689-1697 | 2.5 | 29

248 Online optimisation-based backstepping control design with application to quadrotor. *IET Control Theory and Applications*, **2016**, 10, 1601-1611 | 2.5 | 29

247 Finite-Horizon Approximate Optimal Guaranteed Cost Control of Uncertain Nonlinear Systems With Application to Mars Entry Guidance. *IEEE Transactions on Neural Networks and Learning Systems*, **2015**, 26, 1456-67 | 10.3 | 28

246 A Sampled-Data Approach to Nonlinear ESO-Based Active Disturbance Rejection Control for Pneumatic Muscle Actuator Systems with Actuator Saturations. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 4608-4617 | 8.9 | 28

245 Static anti-windup design for nonlinear Markovian jump systems with multiple disturbances. *Information Sciences*, **2017**, 418-419, 169-183 | 7.7 | 28

244 Multi-objective robust initial alignment algorithm for Inertial Navigation System with multiple disturbances. *Aerospace Science and Technology*, **2012**, 21, 1-6 | 4.9 | 28

243 Necessary and sufficient conditions for stability of LMS. *IEEE Transactions on Automatic Control*, **1997**, 42, 761-770 | 5.9 | 28

242 Towards quantifying the impact of randomly occurred attacks on a class of networked control systems. *Journal of the Franklin Institute*, **2017**, 354, 4966-4988 | 4 | 27

241 An information aware event-triggered scheme for particle filter based remote state estimation. *Automatica*, **2019**, 103, 151-158 | 5.7 | 27

240 Composite disturbance-observer-based output feedback control and passive control for Markovian jump systems with multiple disturbances. *IET Control Theory and Applications*, **2014**, 8, 873-881 | 2.5 | 27

239	Consistent estimation of the order of stochastic control systems. *IEEE Transactions on Automatic Control*, **1987**, 32, 531-535	5.9	27
238	Finite-time soft landing on asteroids using nonsingular terminal sliding mode control. *Transactions of the Institute of Measurement and Control*, **2014**, 36, 216-223	1.8	26
237	Anti-disturbance fault diagnosis for non-Gaussian stochastic distribution systems with multiple disturbances. *Neurocomputing*, **2014**, 136, 315-320	5.4	26
236	Dimension Reduction Aided Hyperspectral Image Classification with a Small-sized Training Dataset: Experimental Comparisons. *Sensors*, **2017**, 17,	3.8	26
235	Observer-based optimal fault detection using PDFs for time-delay stochastic systems. *Nonlinear Analysis: Real World Applications*, **2008**, 9, 2337-2349	2.1	26
234	Composite anti-disturbance attitude and vibration control for flexible spacecraft. *IET Control Theory and Applications*, **2017**, 11, 2383-2390	2.5	25
233	Nonlinear Active Disturbance Rejection Control for the Pneumatic Muscle Actuators With Discrete-Time Measurements. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 2044-2053	8.9	25
232	Reduced-order controllers for continuous and discrete-time singular H∞ control problems based on LMI. *Automatica*, **1996**, 32, 1581-1585	5.7	25
231	Further result on asymptotic stability criterion of neural networks with time-varying delays. *Neurocomputing*, **2007**, 71, 439-447	5.4	24
230	Method and Implementation of a Bioinspired Polarization-Based Attitude and Heading Reference System by Integration of Polarization Compass and Inertial Sensors. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 9802-9812	8.9	24
229	Initial alignment for nonlinear inertial navigation systems with multiple disturbances based on enhanced anti-disturbance filtering. *International Journal of Control*, **2012**, 85, 491-501	1.5	23
228	Joint stochastic distribution tracking control for multivariate descriptor systems with non-gaussian variables. *International Journal of Systems Science*, **2012**, 43, 192-200	2.3	23
227	Connectivity and synchronization of Vicsek model. *Science in China Series F: Information Sciences*, **2008**, 51, 848-858		23
226	Sliding mode friction observer based control for flexible spacecraft with reaction wheel. *IET Control Theory and Applications*, **2017**, 11, 1274-1281	2.5	22
225	Eye gaze pattern analysis for fatigue detection based on GP-BCNN with ESM. *Pattern Recognition Letters*, **2019**, 123, 61-74	4.7	21
224	Composite Robust H_∞ Control for Uncertain Stochastic Nonlinear Systems With State Delay via a Disturbance Observer. *IEEE Transactions on Automatic Control*, **2018**, 63, 4345-4352	5.9	21
223	Finite-time control for soft landing on an asteroid based on line-of-sight angle. *Journal of the Franklin Institute*, **2014**, 351, 383-398	4	21
222	Robust consensus of multi-agent systems with time-delays and exogenous disturbances. *International Journal of Control, Automation and Systems*, **2012**, 10, 797-805	2.9	21

221	Optimal Fault-Detection Filtering for Non-Gaussian Systems via Output PDFs. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2009**, 39, 476-481		21
220	Stability Criteria With Less LMI Variables for Neural Networks With Time-Varying Delay. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2008**, 55, 1188-1192	3.5	21
219	Feedback control design with vibration suppression for flexible air-breathing hypersonic vehicles. *Science China Information Sciences*, **2014**, 57, 1-14	3.4	20
218	A parameter formula connecting PID and ADRC. *Science China Information Sciences*, **2020**, 63, 1	3.4	20
217	An enhanced anti-disturbance attitude control law for flexible spacecrafts subject to multiple disturbances. *Control Engineering Practice*, **2019**, 84, 274-283	3.9	20
216	. *IEEE Transactions on Aerospace and Electronic Systems*, **2019**, 55, 562-577	3.7	19
215	On stability of random Riccati equations. *Science in China Series D: Earth Sciences*, **1999**, 42, 136-148		19
214	Disturbance observer based reliable H ∞fuzzy attitude tracking control for Mars entry vehicles with actuator failures. *Aerospace Science and Technology*, **2018**, 77, 92-104	4.9	18
213	A Bionic Polarization Navigation Sensor Based on Polarizing Beam Splitter. *IEEE Access*, **2018**, 6, 11472-11481	3.5	18
212	A New Distributed Model Predictive Control for Unconstrained Double-Integrator Multiagent Systems. *IEEE Transactions on Automatic Control*, **2018**, 63, 4367-4374	5.9	18
211	Disturbance attenuation and rejection for discrete-time Markovian jump systems with lossy measurements. *Information Sciences*, **2014**, 278, 673-684	7.7	18
210	Fault isolation for multivariate nonlinear non-Gaussian systems using generalized entropy optimization principle. *Automatica*, **2009**, 45, 2612-2619	5.7	18
209	Fault tolerant control based on stochastic distributions via MLP neural networks. *Neurocomputing*, **2007**, 70, 867-874	5.4	18
208	Optimal stochastic adaptive control with quadratic index. *International Journal of Control*, **1986**, 43, 869-881	3.9	18
207	Anti-disturbance fault tolerant initial alignment for inertial navigation system subjected to multiple disturbances. *Aerospace Science and Technology*, **2018**, 72, 95-103	4.9	18
206	Mobile Formation Coordination and Tracking Control for Multiple Nonholonomic Vehicles. *IEEE/ASME Transactions on Mechatronics*, **2020**, 25, 1231-1242	5.5	17
205	Particle filtering with applications in networked systems: a survey. *Complex & Intelligent Systems*, **2016**, 2, 293-315	7.1	17
204	A note on overshoot estimation in pole placements. *Journal of Control Theory and Applications*, **2004**, 2, 161-164		17

203	A limit to the capability of feedback. *IEEE Transactions on Automatic Control*, **2002**, 47, 687-692	5.9	17
202	Machine Learning-Based Crop Drought Mapping System by UAV Remote Sensing RGB Imagery. *Unmanned Systems*, **2020**, 08, 71-83	3	16
201	Composite hierarchical anti-disturbance control for robotic systems with multiple disturbances. *International Journal of Control, Automation and Systems*, **2014**, 12, 541-551	2.9	16
200	Fault tolerant control based on stochastic distribution via RBF neural networks. *Journal of Systems Engineering and Electronics*, **2011**, 22, 63-69	1.3	16
199	Distribution function tracking filter design using hybrid characteristic functions. *Automatica*, **2010**, 46, 101-109	5.7	16
198	A novel sparse boosting method for crater detection in the high resolution planetary image. *Advances in Space Research*, **2015**, 56, 982-991	2.4	15
197	Finite dimensional disturbance observer based control for nonlinear parabolic PDE systems via output feedback. *Journal of Process Control*, **2016**, 48, 25-40	3.9	15
196	Improved Results on Statistic Information Control With a Dynamic Neural Network Identifier. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2013**, 60, 816-820	3.5	15
195	LMI stability criterion with less variables for time-delay systems. *International Journal of Control, Automation and Systems*, **2009**, 7, 530-535	2.9	15
194	Event-triggered tracking control for nonlinear systems subject to time-varying external disturbances. *Automatica*, **2020**, 119, 109070	5.7	14
193	An Autonomous Initial Alignment and Observability Analysis for SINS With Bio-Inspired Polarized Skylight Sensors. *IEEE Sensors Journal*, **2020**, 20, 7941-7956	4	14
192	Uncoupled PID Control of Coupled Multi-Agent Nonlinear Uncertain systems. *Journal of Systems Science and Complexity*, **2018**, 31, 4-21	1	14
191	Disturbance observer based H∞ control for flexible spacecraft with time-varying input delay. *Advances in Difference Equations*, **2013**, 2013, 142	3.6	14
190	Composite disturbance-observer-based control and variable structure control for non-linear systems with disturbances. *Transactions of the Institute of Measurement and Control*, **2009**, 31, 401-423	1.8	14
189	Saturating composite disturbance-observer-based control and H∞ control for discrete time-delay systems with nonlinearity. *International Journal of Control, Automation and Systems*, **2009**, 7, 691-701	2.9	14
188	Adaptive control via consistent estimation for deterministic systems. *International Journal of Control*, **1987**, 45, 2183-2202	1.5	14
187	Simultaneous cooperative relative localization and distributed formation control for multiple UAVs. *Science China Information Sciences*, **2020**, 63, 1	3.4	14
186	Detection, estimation, and compensation of false data injection attack for UAVs. *Information Sciences*, **2021**, 546, 723-741	7.7	14

185	High-Precision Trajectory Tracking Control for Space Manipulator With Neutral Uncertainty and Deadzone Nonlinearity. *IEEE Transactions on Control Systems Technology*, **2019**, 27, 2254-2262	4.8	13
184	Output feedback based simultaneous stabilization of two Port-controlled Hamiltonian systems with disturbances. *Journal of the Franklin Institute*, **2019**, 356, 8154-8166	4	13
183	Multi-objective PID control for non-Gaussian stochastic distribution system based on two-step intelligent models. *Science in China Series F: Information Sciences*, **2009**, 52, 1754-1765		13
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181	On resilient strategy design of multi-tasking optimal control for state-saturated systems with nonlinear disturbances: The time-varying case. *Automatica*, **2019**, 107, 138-145	5.7	12
180	Distributed quantized multi-modal HⅠfusion filtering for two-time-scale systems. *Information Sciences*, **2018**, 432, 572-583	7.7	12
179	Pinning control of spatially and temporally complex dynamical networks with time-varying delays. *Nonlinear Dynamics*, **2012**, 70, 1657-1674	5	12
178	Delay-dependent robust stability criteria for delay neural networks with linear fractional uncertainties. *International Journal of Control, Automation and Systems*, **2009**, 7, 281-287	2.9	12
177	Drag-based composite super-twisting sliding mode control law design for Mars entry guidance. *Advances in Space Research*, **2016**, 57, 2508-2518	2.4	12
176	A fast initial alignment for SINS based on disturbance observer and Kalman filter. *Transactions of the Institute of Measurement and Control*, **2016**, 38, 1261-1269	1.8	12
175	Fault-Tolerant Optimal Control for Discrete-Time Nonlinear System Subjected to Input Saturation: A Dynamic Event-Triggered Approach. *IEEE Transactions on Cybernetics*, **2021**, 51, 2956-2968	10.2	12
174	The game theoretical approach for multi-phase complex systems in chemical engineering. *Journal of Systems Science and Complexity*, **2017**, 30, 4-19	1	11
173	Two-stage particle filtering for non-Gaussian state estimation with fading measurements. *Automatica*, **2020**, 115, 108882	5.7	11
172	Classical model validation for control design purposes. *Mathematical Modelling of Systems*, **1997**, 3, 27-42		11
171	Control of Nonlinear Uncertain Systems by Extended PID. *IEEE Transactions on Automatic Control*, **2021**, 66, 3840-3847	5.9	11
170	Stabilization for a class of rectangular descriptor systems via time delayed dynamic compensator. *Journal of the Franklin Institute*, **2019**, 356, 1944-1954	4	10
169	Adaptive compensation for infinite number of actuator failures with an application to flight control. *International Journal of Adaptive Control and Signal Processing*, **2016**, 30, 443-455	2.8	10
168	Unbiased information filtering for systems with missing measurement based on disturbance estimation. *Journal of the Franklin Institute*, **2016**, 353, 936-954	4	10

167	Robust Consensus of Multi-Agent Systems with Uncertain Exogenous Disturbances. *Communications in Theoretical Physics*, **2011**, 56, 1161-1166	2.4	10
166	Multiobjective Filtering for Nonlinear Time-Delay Systems with Nonzero Initial Conditions Based on Convex Optimization. *Circuits, Systems, and Signal Processing*, **2006**, 25, 591-607	2.2	10
165	Design and calibration model of a bioinspired attitude and heading reference system based on compound eye polarization compass. *Bioinspiration and Biomimetics*, **2020**, 16, 016001	2.6	10
164	Global Autonomous Positioning in GNSS-Challenged Environments: A Bioinspired Strategy by Polarization Pattern. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 6308-6317	8.9	10
163	P-FDCN Based Eye State Analysis for Fatigue Detection **2018**,		10
162	Cooperative Moving-Target Enclosing Control for Multiple Nonholonomic Vehicles Using Feedback Linearization Approach. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 1-7	7.3	9
161	Adaptive cooperative tracking control for a class of nonlinear time-varying multi-agent systems. *Journal of the Franklin Institute*, **2017**, 354, 6766-6782	4	9
160	Control of a class of nonlinear uncertain systems by combining state observers and parameter estimators **2012**,		9
159	Probabilistic tracking control for non-Gaussian stochastic process using novel iterative learning algorithms. *International Journal of Systems Science*, **2013**, 44, 1325-1332	2.3	9
158	Fault diagnosis with disturbance rejection performance based on disturbance observer **2009**,		9
157	Exploring the maximum capability of adaptive feedback. *International Journal of Adaptive Control and Signal Processing*, **2002**, 16, 341-354	2.8	9
156	Sensor Modeling and Calibration Method Based on Extinction Ratio Error for Camera-Based Polarization Navigation Sensor. *Sensors*, **2020**, 20,	3.8	9
155	Event-triggered adaptive fault-tolerant control for nonlinear systems fusing static and dynamic information. *Journal of the Franklin Institute*, **2019**, 356, 248-267	4	9
154	Observer-Based Feedback Controller Design for a Class of Stochastic Systems With Non-Gaussian Variables. *IEEE Transactions on Automatic Control*, **2015**, 60, 1445-1450	5.9	8
153	Path tracking control of a self-driving wheel excavator via an enhanced data-driven model-free adaptive control approach. *IET Control Theory and Applications*, **2020**, 14, 220-232	2.5	8
152	Disturbance observer based model predictive control for accurate atmospheric entry of spacecraft. *Advances in Space Research*, **2018**, 61, 2457-2471	2.4	8
151	Finite-time stabilization of port-controlled Hamiltonian systems with nonvanishing disturbances. *Transactions of the Institute of Measurement and Control*, **2018**, 40, 2973-2981	1.8	8
150	Constrained anti-disturbance control for a quadrotor based on differential flatness. *International Journal of Systems Science*, **2017**, 48, 1182-1193	2.3	8

149	Statistic PID tracking control for non-Gaussian stochastic systems based on T-S fuzzy model. *International Journal of Automation and Computing*, **2009**, 6, 81-87	3.5	8
148	H∞ sampled-data fuzzy control for attitude tracking of mars entry vehicles with control constraints. *Information Sciences*, **2019**, 475, 182-201	7.7	8
147	Adaptive Neural Network Control for a Class of Nonlinear Systems With Unknown Control Direction. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 4708-4718	7.3	8
146	Multivariable adaptive control with unknown signs of the high-frequency gain matrix using novel Nussbaum functions. *Automatica*, **2020**, 111, 108618	5.7	8
145	An enhanced anti-disturbance control law for systems with multiple disturbances. *Science China Information Sciences*, **2020**, 63, 1	3.4	8
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