Kexin Guo

List of Publications by Year in Descending Order

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	Fault-tolerant control design for a class of nonlinear systems with actuator malfunctions. *International Journal of Robust and Nonlinear Control*, **2022**, 32, 2828-2844	3.6	0
327	Reliability Based LQR Fault-Tolerant Control for a Quadrotor UAV. *Lecture Notes in Electrical Engineering*, **2022**, 4471-4481	0.2	
326	Observer-Based Detection and Estimation for UAVs Subject to Remote Signal Attacks and Disturbances. *Lecture Notes in Electrical Engineering*, **2022**, 2959-2970	0.2	
325	Agile Flight Control under Multiple Disturbances for Quadrotor: Algorithms and Evaluation. *IEEE Transactions on Aerospace and Electronic Systems*, **2022**, 1-1	3.7	1
324	Safety Control for Quadrotor UAV against Ground Effect and Blade Damage. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	4
323	An Integrated INS/Lidar Odometry/Polarized Camera Pose Estimation via Factor Graph Optimization for Sparse Environment. *IEEE Transactions on Instrumentation and Measurement*, **2022**, 71, 1-11	5.2	1
322	SPT-based Composite Hierarchical Anti-Disturbance Control Applied to a Quadrotor UAV. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	0
321	Observer-Based Event-Triggered Composite Anti-Disturbance Control for Multi-Agent Systems Under Multiple Disturbances and Stochastic FDIAs. *IEEE Transactions on Automation Science and Engineering*, **2022**, 1-13	4.9	1
320	Composite Filtering for UWB-Based Localization of Quadrotor UAV With Skewed Measurements and Uncertain Dynamics. *IEEE Transactions on Instrumentation and Measurement*, **2022**, 71, 1-13	5.2	0
319	An enhanced UAV safety control scheme against attacks on desired trajectory. *Aerospace Science and Technology*, **2021**, 119, 107212	4.9	0
318	Event-Triggered Observer-Based $mathcal{H}_infty$ Consensus Control and Fault Detection of Multiagent Systems under Stochastic False Data Injection Attacks. *IEEE Transactions on Network Science and Engineering*, **2021**, 1-1	4.9	6
317	Safety Flight Control for a Quadrotor UAV Using Differential Flatness and Dual-loop Observers. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	0
316	Velocity-Tracking Control Based on Refined Disturbance Observer for Gimbal Servo System with Multiple Disturbances. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	3
315	A Novel Polarized Skylight Navigation Model for Bionic Navigation with Marginalised Unscented Kalman Filter. *IEEE Sensors Journal*, **2021**, 1-1	4	2
314	Solar-tracking methodology based on refraction-polarization in Snell's window for underwater navigation. *Chinese Journal of Aeronautics*, **2021**, 35, 380-380	3.7	4
313	Robust particle filtering with enhanced outlier resilience and real-time disturbance compensation. *Journal of the Franklin Institute*, **2021**, 358, 2872-2893	4	2
312	Partially Integrated Guidance and Control of Quadrotors Subject to Multiple Uncertainties **2021**,		1

311	A bionic point-source polarisation sensor applied to underwater orientation. *Journal of Navigation*, **2021**, 74, 1057-1072	2.3	2
310	Design of an Aerial Manipulator System Applied to Capture Missions **2021**,		2
309	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
308	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
307	. *IEEE Transactions on Aerospace and Electronic Systems*, **2021**, 57, 586-596	3.7	7
306	Detection, estimation, and compensation of false data injection attack for UAVs. *Information Sciences*, **2021**, 546, 723-741	7.7	14
305	Event-triggered anti-disturbance attitude control for rigid spacecrafts with multiple disturbances. *International Journal of Robust and Nonlinear Control*, **2021**, 31, 344-357	3.6	6
304	Convergence of Self-Tuning Regulators under Conditional Heteroscedastic Noises with Unknown High-Frequency Gain. *Journal of Systems Science and Complexity*, **2021**, 34, 236-250	1	1
303	Sliding-Mode-Observer-Based Time-Varying Formation Tracking for Multispacecrafts Subjected to Switching Topologies and Time-Delays. *IEEE Transactions on Automatic Control*, **2021**, 66, 3848-3855	5.9	6
302	Control of Nonlinear Uncertain Systems by Extended PID. *IEEE Transactions on Automatic Control*, **2021**, 66, 3840-3847	5.9	11
301	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
300	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 4443-4452	7.3	2
299	Composite Autonomous Anti-disturbance Control for Systems with Multiple Disturbances **2021**, 255-269		
298	Dual-Disturbance Observers-Based Control for a Class of Singularly Perturbed Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-12	7.3	3
297	. *IEEE Transactions on Aerospace and Electronic Systems*, **2021**, 1-1	3.7	2
296	Safety Flight Control Design of a Quadrotor UAV With Capability Analysis. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	1
295	Stochastic Stable Attitude Estimation Algorithm Using UKF with Measurement Loss. *IEEE/ASME Transactions on Mechatronics*, **2021**, 1-1	5.5	
294	. *IEEE Transactions on Aerospace and Electronic Systems*, **2021**, 1-1	3.7	13

293	Improved Cubature Kalman Filter for Spacecraft Attitude Estimation. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-13	5.2	7
292	Control of nonlinear uncertain systems by extended PID with differential trackers. *Communications in Information and Systems*, **2021**, 21, 415-440	0.8	1
291	Robust Stabilization for a Class of Nonlinear Positive Systems With Multiple Disturbances. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-12	7.3	1
290	Bionic Integrated Positioning Mechanism Based on Bioinspired Polarization Compass and Inertial Navigation System. *Sensors*, **2021**, 21,	3.8	1
289	Adaptive Consensus Control for Nonlinear Multiagent Systems With Unknown Control Directions and Time-Varying Actuator Faults. *IEEE Transactions on Automatic Control*, **2021**, 66, 4222-4229	5.9	7
288	Convergence of a Distributed Least Squares. *IEEE Transactions on Automatic Control*, **2021**, 66, 4952-4959	5.9	4
287	Predictor-based pose stabilization control for unmanned vehicles on SE(3) with actuator delay and saturation. *Aerospace Science and Technology*, **2021**, 117, 106942	4.9	2
286	Composite Velocity-Tracking Control for Flexible Gimbal System With Multi-Frequency-Band Disturbances. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2021**, 68, 4360-4370	3.9	4
285	Robust Particle Filtering With State Transition Uncertainties: A Student□t Disturbance Observer-Based Approach. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-13	5.2	
284	Adaptive Fixed-Time Attitude Tracking Control of Spacecraft With Uncertainty-Rejection Capability. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-14	7.3	4
283	Adaptive Consensus Control for Nonlinear Multiagent Systems With Unknown Control Directions Using Event-Triggered Communication. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	2
282	Event-triggered tracking control for nonlinear systems subject to time-varying external disturbances. *Automatica*, **2020**, 119, 109070	5.7	14
281	An Autonomous Initial Alignment and Observability Analysis for SINS With Bio-Inspired Polarized Skylight Sensors. *IEEE Sensors Journal*, **2020**, 20, 7941-7956	4	14
280	Machine Learning-Based Crop Drought Mapping System by UAV Remote Sensing RGB Imagery. *Unmanned Systems*, **2020**, 08, 71-83	3	16
279	Two-stage particle filtering for non-Gaussian state estimation with fading measurements. *Automatica*, **2020**, 115, 108882	5.7	11
278	Robust Particle Filtering With Time-Varying Model Uncertainty and Inaccurate Noise Covariance Matrix. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-10	7.3	4
277	Model Predictive Cooperative Control With ISM for Multiagent Systems Under Stochastic Communication Protocol. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	2
276	Mobile Formation Coordination and Tracking Control for Multiple Nonholonomic Vehicles. *IEEE/ASME Transactions on Mechatronics*, **2020**, 25, 1231-1242	5.5	17

275	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
274	A Bio-Inspired Navigation Strategy Fused Polarized Skylight and Starlight for Unmanned Aerial Vehicles. *IEEE Access*, **2020**, 8, 83177-83188	3.5	4
273	Safety control system technologies for UAVs: review and prospect. *Scientia Sinica Informationis*, **2020**, 50, 184-194	2.3	4
272	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
271	Semiglobal output feedback control for uncertain nontriangular nonlinear systems with sector-bounded unknown measurement. *International Journal of Robust and Nonlinear Control*, **2020**, 30, 1-16	3.6	4
270	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
269	On game-based control systems and beyond. *National Science Review*, **2020**, 7, 1116-1117	10.8	4
268	Sensor Modeling and Calibration Method Based on Extinction Ratio Error for Camera-Based Polarization Navigation Sensor. *Sensors*, **2020**, 20,	3.8	9
267	Multiple observers based anti-disturbance control for a quadrotor UAV against payload and wind disturbances. *Control Engineering Practice*, **2020**, 102, 104560	3.9	42
266	A parameter formula connecting PID and ADRC. *Science China Information Sciences*, **2020**, 63, 1	3.4	20
265	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
264	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
263	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
262	Moving Target Circular Formation Control of Multiple Non-Holonomic Vehicles Without Global Position Measurements. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2020**, 67, 310-314	3.5	7
261	Event-Triggered Adaptive Attitude Tracking Control for Spacecraft With Unknown Actuator Faults. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 2241-2250	8.9	64
260	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
259	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
258	Simultaneous cooperative relative localization and distributed formation control for multiple UAVs. *Science China Information Sciences*, **2020**, 63, 1	3.4	14

257	Multivariable adaptive control with unknown signs of the high-frequency gain matrix using novel Nussbaum functions. *Automatica*, **2020**, 111, 108618	5.7	8
256	An enhanced anti-disturbance control law for systems with multiple disturbances. *Science China Information Sciences*, **2020**, 63, 1	3.4	8
255	Spatio-temporal monitoring of wheat yellow rust using UAV multispectral imagery. *Computers and Electronics in Agriculture*, **2019**, 167, 105035	6.5	31
254	Stabilization for a class of rectangular descriptor systems via time delayed dynamic compensator. *Journal of the Franklin Institute*, **2019**, 356, 1944-1954	4	10
253	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
252	Composite antidisturbance control for nonlinear systems via nonlinear disturbance observer and dissipative control. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 4056	3.6	5
251	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
250	A resilient consensus strategy of near-optimal control for state-saturated multiagent systems with round-robin protocol. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 3200-3216	3.6	4
249	Eye gaze pattern analysis for fatigue detection based on GP-BCNN with ESM. *Pattern Recognition Letters*, **2019**, 123, 61-74	4.7	21
248	An information aware event-triggered scheme for particle filter based remote state estimation. *Automatica*, **2019**, 103, 151-158	5.7	27
247	. *IEEE Transactions on Aerospace and Electronic Systems*, **2019**, 55, 562-577	3.7	19
246	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
245	. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 1973-1983	8.9	107
244	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
243	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
242	Force Reflecting Control for Bilateral Teleoperation System Under Time-Varying Delays. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 1162-1172	11.9	42
241	Output feedback based simultaneous stabilization of two Port-controlled Hamiltonian systems with disturbances. *Journal of the Franklin Institute*, **2019**, 356, 8154-8166	4	13
240	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

239	PID Control for High Dimensional Nonlinear Uncertain Stochastic Systems **2019**,		1
238	Stabilisation of positive systems with generalised disturbances. *IET Control Theory and Applications*, **2019**, 13, 2318-2325	2.5	2
237	Enhanced predictor□corrector Mars entry guidance approach with atmospheric uncertainties. *IET Control Theory and Applications*, **2019**, 13, 1612-1618	2.5	4
236	Disturbance analysis and performance test of the polarization sensor based on polarizing beam splitter. *Sensor Review*, **2019**, 39, 341-351	1.4	4
235	Dual-Disturbance Observers-based Control of UAV Subject to Internal and External Disturbances **2019**,		5
234	A Novel Modified Robust Model-Free Adaptive Control Method for a Class of Nonlinear Systems with Time Delay **2019**,		3
233	Disturbance-Observer-Based Composite Hierarchical Antidisturbance Control for Singular Markovian Jump Systems. *IEEE Transactions on Automatic Control*, **2019**, 64, 2875-2882	5.9	51
232	Robust Stereo Visual Odometry Based on Probabilistic Decoupling Ego-Motion Estimation and 3D SSC. *IEEE Access*, **2019**, 7, 1952-1961	3.5	1
231	An enhanced anti-disturbance attitude control law for flexible spacecrafts subject to multiple disturbances. *Control Engineering Practice*, **2019**, 84, 274-283	3.9	20
230	Near-Optimal Control for Time-Varying Linear Discrete Systems With Additive Nonlinearities and Random Gains. *IEEE Transactions on Automatic Control*, **2019**, 64, 2968-2975	5.9	3
229	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
228	H□sampled-data fuzzy control for attitude tracking of mars entry vehicles with control constraints. *Information Sciences*, **2019**, 475, 182-201	7.7	8
227	Containment control of heterogeneous fractional-order multi-agent systems. *Journal of the Franklin Institute*, **2019**, 356, 752-765	4	33
226	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
225	Uncoupled PID Control of Coupled Multi-Agent Nonlinear Uncertain systems. *Journal of Systems Science and Complexity*, **2018**, 31, 4-21	1	14
224	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
223	Global output regulation for a class of single input Port-controlled Hamiltonian disturbed systems. *Applied Mathematics and Computation*, **2018**, 325, 322-331	2.7	6
222	Adaptive Fault-Tolerant Attitude Tracking Control of Spacecraft With Prescribed Performance. *IEEE/ASME Transactions on Mechatronics*, **2018**, 23, 331-341	5.5	144

221	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
220	A DDF-based IMM-TFS Approach for the Accuracy Evaluation Problem of Rapid Transfer Alignment. *Journal of Navigation*, **2018**, 71, 749-768	2.3	0
219	A Bionic Polarization Navigation Sensor Based on Polarizing Beam Splitter. *IEEE Access*, **2018**, 6, 11472-11481	3.5	18
218	A New Distributed Model Predictive Control for Unconstrained Double-Integrator Multiagent Systems. *IEEE Transactions on Automatic Control*, **2018**, 63, 4367-4374	5.9	18
217	Disturbance observer based model predictive control for accurate atmospheric entry of spacecraft. *Advances in Space Research*, **2018**, 61, 2457-2471	2.4	8
216	Composite Robust H_infty 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
215	Distributed quantized multi-modal H□fusion filtering for two-time-scale systems. *Information Sciences*, **2018**, 432, 572-583	7.7	12
214	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
213	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
212	Rapid transfer alignment of an inertial navigation system using a marginal stochastic integration filter. *Measurement Science and Technology*, **2018**, 29, 015105	2	2
211	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
210	P-FDCN Based Eye State Analysis for Fatigue Detection **2018**,		10
209	An Enhanced Anti-Disturbance Control Approach for Systems Subject to Multiple Disturbances **2018**,		1
208	Hierarchical coherency sensitive hashing and interpolation with RANSAC for large displacement optical flow. *Computer Vision and Image Understanding*, **2018**, 175, 1-10	4.3	2
207	Reduced Attitude Control in the Presence of Pointing Constraint **2018**,		2
206	Anti-unwinding attitude control of rigid spacecraft with angular velocity constraint **2018**,		1
205	Unsupervised Ego-Motion and Dense Depth Estimation with Monocular Video **2018**,		3
204	Wheat Drought Assessment by Remote Sensing Imagery Using Unmanned Aerial Vehicle **2018**,		2

203	Finite-Time Attitude Tracking Control of Spacecraft with Actuator Saturation. *Journal of Shanghai Jiaotong University (Science)*, **2018**, 23, 650-656	0.6	1
202	Wheat yellow rust monitoring by learning from multispectral UAV aerial imagery. *Computers and Electronics in Agriculture*, **2018**, 155, 157-166	6.5	97
201	Robust tracking control for a quadrotor UAV via DOBC approach **2018**,		2
200	An enhanced anti-disturbance guidance scheme for powered descent phase of Mars landing under actuator fault. *International Journal of Advanced Robotic Systems*, **2018**, 15, 172988141875988	1.4	0
199	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
198	Disturbance observer based robust mixed H2/H□fuzzy tracking control for hypersonic vehicles. *Fuzzy Sets and Systems*, **2017**, 306, 118-136	3.7	43
197	Disturbance/Uncertainty Estimation and Attenuation Techniques in PMSM Drives□A Survey. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 3273-3285	8.9	263
196	PID controller design for second order nonlinear uncertain systems. *Science China Information Sciences*, **2017**, 60, 1	3.4	73
195	Composite adaptive anti-disturbance control for MIMO nonlinearly parameterized systems with mismatched general periodic disturbances. *International Journal of Computer Mathematics*, **2017**, 94, 2089-2105	1.2	3
194	The game theoretical approach for multi-phase complex systems in chemical engineering. *Journal of Systems Science and Complexity*, **2017**, 30, 4-19	1	11
193	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
192	Optimal control for networked control systems with disturbances: a delta operator approach. *IET Control Theory and Applications*, **2017**, 11, 1325-1332	2.5	107
191	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
190	Multi-tasking optimal control of networked control systems: A delta operator approach. *International Journal of Robust and Nonlinear Control*, **2017**, 27, 2842-2860	3.6	6
189	Composite control of linear quadratic games in delta domain with disturbance observers. *Journal of the Franklin Institute*, **2017**, 354, 1673-1695	4	43
188	Composite anti-disturbance attitude and vibration control for flexible spacecraft. *IET Control Theory and Applications*, **2017**, 11, 2383-2390	2.5	25
187	Fault-tolerant control for unmanned aerial vehicle with wing damaged **2017**,		1
186	Adaptive spacecraft attitude tracking control with guaranteed transient performance **2017**,		1

185	Static anti-windup design for nonlinear Markovian jump systems with multiple disturbances. *Information Sciences*, **2017**, 418-419, 169-183	7.7	28
184	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
183	Sliding mode friction observer based control for flexible spacecraft with reaction wheel. *IET Control Theory and Applications*, **2017**, 11, 1274-1281	2.5	22
182	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
181	Range-based cooperative localization with single landmark **2017**,		6
180	On the minimum number of neighbors needed for consensus of flocks. *Control Theory and Technology*, **2017**, 15, 327-339	1	4
179	Entropy optimization based filtering for non-Gaussian stochastic systems. *Science China Information Sciences*, **2017**, 60, 1	3.4	
178	6-DOF motion estimation using optical flow based on dual cameras. *Journal of Central South University*, **2017**, 24, 459-466	2.1	2
177	Constrained anti-disturbance control for a quadrotor based on differential flatness. *International Journal of Systems Science*, **2017**, 48, 1182-1193	2.3	8
176	Fuzzy normalization and stabilization for a class of nonlinear rectangular descriptor systems. *Neurocomputing*, **2017**, 219, 263-268	5.4	33
175	An Error-Entropy Minimization Algorithm for Tracking Control of Nonlinear Stochastic Systems with Non-Gaussian Variables * *This work was supported in part by the National Natural Science Foundation of China under Grant 61333007, 61621004, 61573022, the Chinese National Post-doctor Science Foundation under Grants 2015M571322 and CCSI of the Pacific Northwest	0.7	1
174	An enhanced anti-disturbance filtering scheme for non-Gaussian systems with additional exogenous disturbances **2017**,		2
173	Attitude stabilization control for rigid spacecraft with actuator misalignment and saturation **2017**,		1
172	Finite time simultaneous stabilization of two single input nonlinear port-controlled hamiltonian disturbed systems **2017**,		3
171	PID control for a class of nonlinear uncertain stochastic systems **2017**,		7
170	Stochastic Integration H Filter for Rapid Transfer Alignment of INS. *Sensors*, **2017**, 17,	3.8	1
169	Dimension Reduction Aided Hyperspectral Image Classification with a Small-sized Training Dataset: Experimental Comparisons. *Sensors*, **2017**, 17,	3.8	26
168	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

167	Particle filtering with applications in networked systems: a survey. *Complex & Intelligent Systems*, **2016**, 2, 293-315	7.1	17
166	Ego-motion estimation using sparse SURF flow in monocular vision systems. *International Journal of Advanced Robotic Systems*, **2016**, 13, 172988141667111	1.4	1
165	Performance bounds of distributed adaptive filters with cooperative correlated signals. *Science China Information Sciences*, **2016**, 59, 1	3.4	7
164	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
163	Decentralized output-feedback adaptive control for a class of interconnected nonlinear systems with unknown actuator failures. *Automatica*, **2016**, 71, 187-196	5.7	73
162	A composite guidance law with enhanced anti-disturbance capability for Mars pinpoint landing. *Transactions of the Institute of Measurement and Control*, **2016**, 38, 732-741	1.8	4
161	Disturbance-Observer-Based Control and Related MethodsÂ—An Overview. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 1083-1095	8.9	1184
160	Ultra-Wideband-Based Localization for Quadcopter Navigation. *Unmanned Systems*, **2016**, 04, 23-34	3	72
159	Disturbance Rejection Fuzzy Control for Nonlinear Parabolic PDE Systems via Multiple Observers. *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 1334-1348	8.3	37
158	Unbiased information filtering for systems with missing measurement based on disturbance estimation. *Journal of the Franklin Institute*, **2016**, 353, 936-954	4	10
157	. *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 401-418	8.3	43
156	Low dimensional disturbance observer-based control for nonlinear parabolic PDE systems with spatio-temporal disturbances. *International Journal of Robust and Nonlinear Control*, **2016**, 26, 2686-2707	3.6	6
155	Nonlinear disturbance observer-based control for a class of nonlinear systems **2016**,		5
154	Polarization angle measurement by polarizing beam splitter-based sensor **2016**,		3
153	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
152	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
151	. *IEEE Transactions on Industrial Informatics*, **2016**, 12, 1786-1794	11.9	182
150	Decentralised Stabilisation of Nonlinear Time Delay Interconnected Systems. *IFAC-PapersOnLine*, **2016**, 49, 152-157	0.7	1

149	Online optimisation-based backstepping control design with application to quadrotor. *IET Control Theory and Applications*, **2016**, 10, 1601-1611	2.5	29
148	Consensus of flocks under M-nearest-neighbor rules. *Journal of Systems Science and Complexity*, **2015**, 28, 1-15	1	7
147	A sparser reduced set density estimator by introducing weighted l1 penalty term. *Pattern Recognition Letters*, **2015**, 58, 15-22	4.7	0
146	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
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