

Guang-Ren Duan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

298
papers

5,529
citations

40
h-index

63
g-index

377
ext. papers

7,226
ext. citations

3.1
avg. IF

6.76
L-index

#	Paper	IF	Citations
298	Event-Triggered and Self-Triggered Gain Scheduled Control of Linear Systems With Input Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-12	7.3	0
297	On the Role of Zeros in the Pole Assignment of Scalar High-Order Fully Actuated Linear Systems. <i>Journal of Systems Science and Complexity</i> , 2022 , 35, 535-542	1	1
296	Adaptive Preassigned Time Stabilisation of Uncertain Second-Order Sub-Fully Actuated Systems. <i>Journal of Systems Science and Complexity</i> , 2022 , 35, 703-713	1	1
295	Fully Actuated System Approach for 6DOF Spacecraft Control Based on Extended State Observer. <i>Journal of Systems Science and Complexity</i> , 2022 , 35, 604-622	1	1
294	Brockett's First Example: An FAS Approach Treatment. <i>Journal of Systems Science and Complexity</i> , 2022 , 35, 441-456	1	1
293	A Distributionally Robust Optimization based Method for Stochastic Model Predictive Control. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	1
292	Manipulator Actuated Integrated Position and Attitude Stabilization of Spacecraft Subject to External Disturbances. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-20	7.3	1
291	Interconnection structure preservation design for a type of port-controlled hamiltonian systems: a parametric approach. <i>IET Control Theory and Applications</i> , 2021 , 15, 338-347	2.5	2
290	Further Geometric and Lyapunov Characterizations of Incrementally Stable Systems on Finsler Manifolds. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	
289	Event-triggered and self-triggered gain scheduling control of input constrained systems with applications to the spacecraft rendezvous. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 4629-4646	3.6	2
288	Adaptive fuzzy backstepping control for attitude stabilization of flexible spacecraft with signal quantization and actuator faults. <i>Science China Information Sciences</i> , 2021 , 64, 1	3.4	1
287	Parametric output regulation using observer-based PI controllers with applications in flexible spacecraft attitude control. <i>Science China Information Sciences</i> , 2021 , 64, 1	3.4	1
286	Strong Stability Analysis of Linear Delay-Difference Equations With Multiple Time Delays. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 3741-3748	5.9	2
285	High-order fully actuated system approaches: Part II. Generalized strict-feedback systems. <i>International Journal of Systems Science</i> , 2021 , 52, 437-454	2.3	20
284	High-order fully actuated system approaches: Part IV. Adaptive control and high-order backstepping. <i>International Journal of Systems Science</i> , 2021 , 52, 972-989	2.3	18
283	High-order fully actuated system approaches: Part III. Robust control and high-order backstepping. <i>International Journal of Systems Science</i> , 2021 , 52, 952-971	2.3	19
282	Disturbance attenuation in observer design for linear systems: a new parametric approach. <i>International Journal of Systems Science</i> , 2021 , 52, 583-595	2.3	

281	High-order fully actuated system approaches: Part I. Models and basic procedure. <i>International Journal of Systems Science</i> , 2021 , 52, 422-435	2.3	28
280	Improved Function Augmented Sliding Mode Control of Uncertain Nonlinear Systems with Preassigned Settling Time. <i>International Journal of Control, Automation and Systems</i> , 2021 , 19, 712-721	2.9	4
279	Fault-tolerant Quantized Sliding Mode Observers Design for a Class of Takagi-Sugeno Fuzzy System with Unmeasurable Premise Variable. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	5
278	Practical prescribed-time sampled-data control of linear systems with applications to the air-bearing testbed. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	3
277	High-order fully actuated system approaches: Part V. Robust adaptive control. <i>International Journal of Systems Science</i> , 2021 , 52, 2129-2143	2.3	12
276	High-order fully-actuated system approaches: Part VI. Disturbance attenuation and decoupling. <i>International Journal of Systems Science</i> , 2021 , 52, 2161-2181	2.3	12
275	Anti-unwinding sliding mode attitude control via two modified Rodrigues parameter sets for spacecraft. <i>Automatica</i> , 2021 , 129, 109642	5.7	12
274	Passivity-based adaptive tracking control of spacecraft line-of-sight relative motion with thrust saturation. <i>Journal of the Franklin Institute</i> , 2021 , 358, 6408-6432	4	0
273	Local properties of exponential contractive systems. <i>Automatica</i> , 2021 , 132, 109844	5.7	
272	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 1-1	3.7	2
271	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 1-1	3.7	5
270	On universal stabilization property of Interconnection and Damping Assignment Control. <i>Automatica</i> , 2020 , 119, 109087	5.7	3
269	Robust model reference control for uncertain second-order system subject to parameter uncertainties. <i>Transactions of the Institute of Measurement and Control</i> , 2020 , 014233122090454	1.8	2
268	Observer-based multi-objective parametric design for spacecraft with super flexible netted antennas. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	5
267	State-space Realization and Generalized Popov Belevitch Hautus Criterion for High-order Linear systems The Singular Case. <i>International Journal of Control, Automation and Systems</i> , 2020 , 18, 2038-2047	2.9	1
266	Event-Triggered and Self-Triggered Control of Discrete-Time Systems With Input Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-10	7.3	9
265	Pole assignment of high-order linear systems with high-order time-derivatives in the input. <i>Journal of the Franklin Institute</i> , 2020 , 357, 1437-1456	4	5
264	Finite-Time Concurrent Learning Adaptive Control for Spacecraft with Inertia Parameter Identification. <i>Journal of Guidance, Control, and Dynamics</i> , 2020 , 43, 574-584	2.1	8

263	Post-capture attitude control with prescribed performance. <i>Aerospace Science and Technology</i> , 2020 , 96, 105572	4.9	13
262	Global Stabilization of the Spacecraft Rendezvous System by Delayed and Bounded Linear Feedback. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-12	7.3	3
261	Design of globally stabilising switching control law for a type of nonlinear systems. <i>International Journal of Systems Science</i> , 2020 , 51, 3573-3584	2.3	
260	Parametric control to linear time-varying systems based on dynamic compensator and multi-objective optimization. <i>Asian Journal of Control</i> , 2020 , 22, 2395-2411	1.7	5
259	Fault-tolerant attitude tracking control of combined spacecraft with reaction wheels under prescribed performance. <i>ISA Transactions</i> , 2020 , 98, 161-172	5.5	18
258	Design of reduced-order interval observers for LTI systems with bounded time-varying disturbances: a parametric approach. <i>International Journal of Control</i> , 2020 , 93, 2551-2563	1.5	4
257	Adaptive finite-time tracking control of 6DOF spacecraft motion with inertia parameter identification. <i>IET Control Theory and Applications</i> , 2019 , 13, 2075-2085	2.5	11
256	Robust stability of uncertain second-order linear time-varying systems. <i>Journal of the Franklin Institute</i> , 2019 , 356, 9881-9906	4	6
255	Dynamic output feedback sliding mode control for spacecraft hovering without velocity measurements. <i>Journal of the Franklin Institute</i> , 2019 , 356, 1991-2014	4	4
254	HI finite-time control for LPV systems with parameter-varying time delays and external disturbance via observer-based state feedback. <i>Journal of the Franklin Institute</i> , 2019 , 356, 6303-6327	4	6
253	Integrated guidance and control with partial state constraints and actuator faults. <i>Journal of the Franklin Institute</i> , 2019 , 356, 4785-4810	4	3
252	. <i>IEEE Access</i> , 2019 , 7, 39911-39922	3.5	8
251	Output-feedback super-twisting control for line-of-sight angles tracking of non-cooperative target spacecraft. <i>ISA Transactions</i> , 2019 , 94, 17-27	5.5	10
250	Distributed Fixed-time Attitude Synchronization Control for Multiple Rigid Spacecraft. <i>International Journal of Control, Automation and Systems</i> , 2019 , 17, 1117-1130	2.9	8
249	A Parametric Method of Linear Functional Observers for Linear Time-varying Systems. <i>International Journal of Control, Automation and Systems</i> , 2019 , 17, 647-656	2.9	9
248	Data-driven based attitude control of combined spacecraft with noncooperative target. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 5801-5819	3.6	3
247	Stabilization via output feedback for a type of uncertain time-varying port-controlled Hamiltonian system based on linear matrix inequality approach. <i>Transactions of the Institute of Measurement and Control</i> , 2019 , 41, 4387-4397	1.8	1
246	Distributed fixed-time consensus tracking for high-order uncertain non-linear multi-agent systems with switching topologies. <i>IET Control Theory and Applications</i> , 2019 , 13, 1761-1772	2.5	13

245	Distributed finite-time tracking for multiple uncertain mechanical systems with dead-zone input and external disturbances. <i>Transactions of the Institute of Measurement and Control</i> , 2019 , 41, 4450-4461 ^{1.8}	1.8	1
244	Adaptive sliding mode control of uncertain nonlinear systems with preassigned settling time and its applications. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 6438-6462	3.6	7
243	Dynamic infinity-norm constrained control allocation for attitude tracking control of overactuated combined spacecraft. <i>IET Control Theory and Applications</i> , 2019 , 13, 1692-1703	2.5	6
242	Circulation algorithm for partial eigenstructure assignment via state feedback. <i>European Journal of Control</i> , 2019 , 50, 107-116	2.5	3
241	Robust Control Allocation in Attitude Fault-Tolerant Control for Combined Spacecraft Under Measurement Uncertainty. <i>IEEE Access</i> , 2019 , 7, 156191-156206	3.5	4
240	Barrier Lyapunov function-based integrated guidance and control with input saturation and state constraints. <i>Aerospace Science and Technology</i> , 2019 , 84, 845-855	4.9	21
239	Parametric control to a type of quasi-linear high-order systems via output feedback. <i>European Journal of Control</i> , 2019 , 47, 44-52	2.5	10
238	Parametric control to a type of quasi-linear second-order systems via output feedback. <i>International Journal of Control</i> , 2019 , 92, 291-302	1.5	13
237	Robust adaptive control for a class of semi-strict feedback systems with state and input constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 3189-3211	3.6	10
236	An improved adaptive dynamic surface control approach for uncertain nonlinear systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2018 , 32, 713-728	2.8	12
235	Rotating consensus tracking for second-order multi-agent systems with external disturbances. <i>Transactions of the Institute of Measurement and Control</i> , 2018 , 40, 3604-3616	1.8	3
234	Delayed output feedback of discrete-time time-delay systems with applications to spacecraft rendezvous. <i>IET Control Theory and Applications</i> , 2018 , 12, 828-836	2.5	4
233	Manipulator-actuated Adaptive Integrated Translational and Rotational Stabilization for Spacecraft in Proximity Operations with Control Constraint. <i>International Journal of Control, Automation and Systems</i> , 2018 , 16, 2103-2113	2.9	7
232	Direct parametric attitude tracking control for generic hypersonic vehicle. <i>International Journal of Systems Science</i> , 2018 , 49, 1507-1517	2.3	3
231	Integrated guidance and control with input saturation and disturbance observer. <i>Journal of Control and Decision</i> , 2018 , 5, 277-299	0.9	9
230	Functional interval observer for the linear systems with disturbances. <i>IET Control Theory and Applications</i> , 2018 , 12, 2562-2568	2.5	24
229	Adaptive sliding-mode control for spacecraft relative position tracking with maneuvering target. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 5786-5810	3.6	7
228	Control law design for elastic aircraft based on intelligent variable structure. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018 , 35, 485-499	1.6	1

227	Leader-following fixed-time output feedback consensus for second-order multi-agent systems with input saturation. <i>International Journal of Systems Science</i> , 2018 , 49, 2873-2887	2.3	14
226	Global finite time stabilization of pure-feedback systems with input dead-zone nonlinearity. <i>Journal of the Franklin Institute</i> , 2017 , 354, 4073-4101	4	17
225	Adaptive control of uncertain pure-feedback nonlinear systems. <i>International Journal of Systems Science</i> , 2017 , 48, 2137-2145	2.3	12
224	Finite-time control for LPV systems with parameter-varying time delays and exogenous disturbances. <i>International Journal of Robust and Nonlinear Control</i> , 2017 , 27, 3841	3.6	4
223	Adaptive nonsingular fast terminal sliding mode control for spacecraft hovering to noncooperative target 2017 ,		1
222	A direct parametric approach to spacecraft attitude tracking control. <i>International Journal of Automation and Computing</i> , 2017 , 14, 626-636	3.5	2
221	Robust adaptive dynamic surface control of uncertain non-linear systems with output constraints. <i>IET Control Theory and Applications</i> , 2017 , 11, 110-121	2.5	29
220	Robust H _∞ dynamic output feedback control for spacecraft rendezvous with poles and input constraint. <i>International Journal of Systems Science</i> , 2017 , 48, 1022-1034	2.3	4
219	A developed constrained control allocation approach based on pseudo inverse 2017 ,		3
218	Integrated guidance and control with impact angle constraint 2017 ,		1
217	Finite-time H _∞ filtering for non-linear stochastic systems. <i>International Journal of Systems Science</i> , 2016 , 47, 2945-2953	2.3	3
216	LPV eigenstructure assignment approach for BTT missile attitude control 2016 ,		1
215	Output feedback stabilization of spacecraft autonomous rendezvous subject to actuator saturation. <i>International Journal of Automation and Computing</i> , 2016 , 13, 428-437	3.5	4
214	Gain scheduled control of linear systems with unsymmetrical saturation actuators. <i>International Journal of Systems Science</i> , 2016 , 47, 3711-3719	2.3	3
213	Implicit Iterative Algorithms for Continuous Markovian Jump Lyapunov Equations. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3183-3189	5.9	18
212	Global robust finite-time stabilisation of unknown pure-feedback systems with input dead-zone non-linearity. <i>IET Control Theory and Applications</i> , 2016 , 10, 234-243	2.5	27
211	Switching signal design for asymptotic stability of uncertain multiple equilibrium switched systems with actuator saturation. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 1705-1717	3.6	3
210	Disturbance observer-based sliding mode control for spacecraft non-cooperative rendezvous 2016 ,		4

209	Finite-time rotating consensus tracking control for second-order multi-agent systems 2016,		1
208	Robust gain scheduled control of spacecraft rendezvous system subject to input saturation. <i>Aerospace Science and Technology</i> , 2015 , 42, 442-450	4.9	26
207	Adaptive Jacobian force/position tracking for space free-flying robots with prescribed transient performance. <i>Robotics and Autonomous Systems</i> , 2015 , 72, 235-247	3.5	9
206	New Iterative Algorithms for Solving Coupled Markovian Jump Lyapunov Equations. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 289-294	5.9	21
205	An optimal control approach to spacecraft rendezvous on elliptical orbit. <i>Optimal Control Applications and Methods</i> , 2015 , 36, 158-178	1.7	7
204	Adaptive Dynamic Surface Control for Integrated Missile Guidance and Autopilot in the Presence of Input Saturation. <i>Journal of Aerospace Engineering</i> , 2015 , 28, 04014121	1.4	18
203	Gain Scheduled Control of Linear Systems Subject to Actuator Saturation With Application to Spacecraft Rendezvous. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 2031-2038	4.8	54
202	A direct parametric approach for missile guidance—Case of sea targets 2014,		1
201	Distributed and Truncated Reduced-Order Observer Based Output Feedback Consensus of Multi-Agent Systems. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 2264-2270	5.9	70
200	Robust Global Stabilization of Spacecraft Rendezvous System via Gain Scheduling. <i>International Journal of Automation and Computing</i> , 2014 , 11, 426-433	3.5	3
199	On-line optimal autonomous reentry guidance based on improved Gauss pseudospectral method. <i>Science China Information Sciences</i> , 2014 , 57, 1-16	3.4	5
198	Output feedback gain scheduled control of actuator saturated linear systems with applications to the spacecraft rendezvous. <i>Journal of the Franklin Institute</i> , 2014 , 351, 5015-5033	4	14
197	Robust adaptive integrated translation and rotation finite-time control of a rigid spacecraft with actuator misalignment and unknown mass property. <i>International Journal of Systems Science</i> , 2014 , 45, 1007-1034	2.3	37
196	Robust adaptive control for a class of cascaded nonlinear systems with applications to space interception. <i>International Journal of Robust and Nonlinear Control</i> , 2014 , 24, 2048-2078	3.6	6
195	Direct parametric control of fully-actuated second-order nonlinear systems—descriptor case 2014,		1
194	Direct parametric control of fully-actuated high-order nonlinear systems—Normal case 2014,		2
193	Quaternion-based satellite attitude control—A direct parametric approach 2014,		3
192	Parametric control of quasi-linear systems by output feedback 2014,		6

191	Path-following control of wheeled planetary exploration robots moving on deformable rough terrain. <i>Scientific World Journal, The</i> , 2014 , 2014, 793526	2.2	6
190	Robust gain scheduled control of spacecraft rendezvous system subject to input saturation 2014 ,		1
189	2014 ,		2
188	Non-cooperative rendezvous and interception \square direct parametric control approach 2014 ,		4
187	Parametric control of quasi-linear systems via state feedback 2014 ,		6
186	Control of feedback type systems \square direct parametric approach 2014 ,		1
185	Direct parametric control of fully-actuated high-order quasi-linear systems via dynamical feedback 2014 ,		2
184	Missile attitude control \square direct parametric approach 2014 ,		2
183	Satellite attitude control \square direct parametric approach 2014 ,		4
182	Parametric solutions to fully-actuated generalized Sylvester equations \square the nonhomogeneous case 2014 ,		3
181	Global stabilization of switched stochastic nonlinear systems in strict-feedback form under arbitrary switchings. <i>Automatica</i> , 2013 , 49, 2571-2575	5.7	66
180	Robust actuator fault diagnosis scheme for satellite attitude control systems. <i>Journal of the Franklin Institute</i> , 2013 , 350, 2560-2580	4	61
179	Output feedback elliptical orbital rendezvous via state-dependent Riccati differential equations. <i>IET Control Theory and Applications</i> , 2013 , 7, 1429-1436	2.5	13
178	Output Feedback Stabilization of Switched Stochastic Nonlinear Systems Under Arbitrary Switchings. <i>International Journal of Automation and Computing</i> , 2013 , 10, 571-577	3.5	14
177	L ₁ and L ₂ semi-global stabilisation of continuous-time periodic linear systems with bounded controls. <i>International Journal of Control</i> , 2013 , 86, 709-720	1.5	26
176	Integrated translational and rotational control for the terminal landing phase of a lunar module. <i>Aerospace Science and Technology</i> , 2013 , 27, 112-126	4.9	17
175	Trilateral Teleoperation of Adaptive Fuzzy Force/Motion Control for Nonlinear Teleoperators With Communication Random Delays. <i>IEEE Transactions on Fuzzy Systems</i> , 2013 , 21, 610-624	8.3	109
174	Robust adaptive integrated translation and rotation control of a rigid spacecraft with control saturation and actuator misalignment. <i>Acta Astronautica</i> , 2013 , 86, 167-187	2.9	54

173	Adaptive block dynamic surface control for integrated missile guidance and autopilot. <i>Chinese Journal of Aeronautics</i> , 2013 , 26, 741-750	3.7	92
172	Stabilisation of time-varying linear systems via Lyapunov differential equations. <i>International Journal of Control</i> , 2013 , 86, 332-347	1.5	24
171	Finite iterative algorithm for solving coupled Lyapunov equations appearing in continuous-time Markov jump linear systems. <i>International Journal of Systems Science</i> , 2013 , 44, 2082-2093	2.3	11
170	Controllability and stability of discrete-time antilinear systems 2013 ,		6
169	Robust dynamical compensator design for discrete-time linear periodic systems. <i>Journal of Global Optimization</i> , 2012 , 52, 291-304	1.5	2
168	Robust Adaptive Fault Estimation for a Class of Nonlinear Systems Subject to Multiplicative Faults. <i>Circuits, Systems, and Signal Processing</i> , 2012 , 31, 2035-2046	2.2	25
167	Periodic Lyapunov Equation Based Approaches to the Stabilization of Continuous-Time Periodic Linear Systems. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 2139-2146	5.9	60
166	Robust control of spacecraft rendezvous on elliptical orbit. <i>Journal of the Franklin Institute</i> , 2012 , 349, 2515-2529	4	31
165	Integrated relative position and attitude control of spacecraft in proximity operation missions. <i>International Journal of Automation and Computing</i> , 2012 , 9, 342-351	3.5	37
164	Proportional multiple-integral observer design for discrete-time descriptor linear systems. <i>International Journal of Systems Science</i> , 2012 , 43, 1492-1503	2.3	15
163	Proportional multiple-integral observer design for continuous-time descriptor linear systems. <i>Asian Journal of Control</i> , 2012 , 14, 476-488	1.7	7
162	Parametric design approach for proportional multiple-integral derivative observers in descriptor linear systems. <i>Asian Journal of Control</i> , 2012 , 14, 1683-1689	1.7	2
161	An Exact Penalty Method for Free Terminal Time Optimal Control Problem with Continuous Inequality Constraints. <i>Journal of Optimization Theory and Applications</i> , 2012 , 154, 30-53	1.6	40
160	L_{∞} and L_2 Low-Gain Feedback: Their Properties, Characterizations and Applications in Constrained Control. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 1030-1045	5.9	42
159	Distributed continuous-time consensus seeking in multi-agent systems 2011 ,		1
158	On Semiglobal Stabilization of Discrete-Time Periodic Systems With Bounded Controls. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2011 , 58, 452-456	3.5	9
157	Stability and stabilization of discrete-time periodic linear systems with actuator saturation. <i>Automatica</i> , 2011 , 47, 1813-1820	5.7	58
156	Robust adaptive dynamic surface control of uncertain nonlinear systems. <i>International Journal of Control, Automation and Systems</i> , 2011 , 9, 161-168	2.9	22

155	Global stabilization of linear systems with bounded controls using state-dependent saturation functions. <i>Journal of Systems Science and Complexity</i> , 2011 , 24, 477-490	1	4
154	Adaptive dynamic surface control for integrated missile guidance and autopilot. <i>International Journal of Automation and Computing</i> , 2011 , 8, 122-127	3.5	34
153	Consensus seeking in multiagent cooperative control systems with bounded control input. <i>Journal of Control Theory and Applications</i> , 2011 , 9, 210-214		9
152	On Eigenvalue Sets and Convergence Rate of It Stochastic Systems With Markovian Switching. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 1118-1124	5.9	11
151	Stabilization of a Class of Linear Systems With Input Delay and the Zero Distribution of Their Characteristic Equations. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2011 , 58, 388-401	3.9	17
150	Estimation of the upper bound horizon for input constrained MPC based on reachable sets. <i>International Journal of Control</i> , 2011 , 84, 1183-1192	1.5	4
149	Lyapunov Differential Equation Approach to Elliptical Orbital Rendezvous with Constrained Controls. <i>Journal of Guidance, Control, and Dynamics</i> , 2011 , 34, 345-358	2.1	82
148	Iterative algorithms for solving a class of complex conjugate and transpose matrix equations. <i>Applied Mathematics and Computation</i> , 2011 , 217, 8343-8353	2.7	39
147	An improved treatment of saturation nonlinearity with its application to control of systems subject to nested saturation. <i>Automatica</i> , 2011 , 47, 306-315	5.7	74
146	A parametric periodic Lyapunov equation with application in semi-global stabilization of discrete-time periodic systems subject to actuator saturation. <i>Automatica</i> , 2011 , 47, 316-325	5.7	93
145	Finite iterative solutions to coupled Sylvester-conjugate matrix equations. <i>Applied Mathematical Modelling</i> , 2011 , 35, 1065-1080	4.5	49
144	Eigenstructure assignment for linear parameter-varying systems with applications. <i>Mathematical and Computer Modelling</i> , 2011 , 53, 861-870		8
143	Research on the measurement in RVD based on dual quaternion 2011 ,		1
142	Robust passive filtering for time-delay T-S fuzzy systems 2010 ,		1
141	Gradient-based maximal convergence rate iterative method for solving linear matrix equations. <i>International Journal of Computer Mathematics</i> , 2010 , 87, 515-527	1.2	30
140	Robust H _∞ Control for a class of uncertain mechanical systems. <i>International Journal of Control</i> , 2010 , 83, 1303-1324	1.5	37
139	Aerodynamic Coefficients Models of Hypersonic Vehicle Based on Aero Database 2010 ,		7
138	Global Stabilization of the Double Integrator System With Saturation and Delay in the Input. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2010 , 57, 1371-1383	3.9	39

137	Reentry trajectory optimization of hypersonic vehicle with enhancing parametrization method 2010 ,		1
136	Auxiliary system based integrated missile guidance and control 2010 ,		1
135	Parametric Pole Assignment and Robust Pole Assignment for Discrete-Time Linear Periodic Systems. <i>SIAM Journal on Control and Optimization</i> , 2010 , 48, 3975-3996	1.9	27
134	Analysis and Design of Descriptor Linear Systems. <i>Advances in Mechanics and Mathematics</i> , 2010 ,	0.2	305
133	Approximation and Monotonicity of the Maximal Invariant Ellipsoid for Discrete-Time Systems by Bounded Controls. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 440-446	5.9	24
132	An Enhancing Permutation Algorithm for Laser Antimissile Strategy Optimization 2010 ,		1
131	Iterative solutions to coupled Sylvester-conjugate matrix equations. <i>Computers and Mathematics With Applications</i> , 2010 , 60, 54-66	2.7	49
130	Finite iterative algorithms for the generalized Sylvester-conjugate matrix equation $(\{AX+BY=\overline{X}F+S\})$. <i>Computing (Vienna/New York)</i> , 2010 , 89, 147-170	2.2	12
129	Unified parametrization for the solutions to the polynomial diophantine matrix equation and the generalized Sylvester matrix equation. <i>International Journal of Control, Automation and Systems</i> , 2010 , 8, 29-35	2.9	6
128	ESA in high-order descriptor linear systems via output feedback. <i>International Journal of Control, Automation and Systems</i> , 2010 , 8, 408-417	2.9	6
127	Improved L ₂ filtering for stochastic time-delay systems. <i>International Journal of Control, Automation and Systems</i> , 2010 , 8, 741-747	2.9	3
126	New versions of Barbalat's lemma with applications. <i>Journal of Control Theory and Applications</i> , 2010 , 8, 545-547		44
125	Comments on An efficient iterative method for solving the matrix equation $AXB+CYD=E$ <i>Numerical Linear Algebra With Applications</i> , 2010 , 17, 735-739	1.6	
124	Full delayed state feedback pole assignment of discrete-time time-delay systems. <i>Optimal Control Applications and Methods</i> , 2010 , 31, 155-169	1.7	19
123	On the absolute stability approach to quantized feedback control. <i>Automatica</i> , 2010 , 46, 337-346	5.7	54
122	Finite iterative solutions to a class of complex matrix equations with conjugate and transpose of the unknowns. <i>Mathematical and Computer Modelling</i> , 2010 , 52, 1463-1478		24
121	Iterative solutions to the extended Sylvester-conjugate matrix equations. <i>Applied Mathematics and Computation</i> , 2010 , 217, 130-142	2.7	35
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