

Mohammad Haeri

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.

184
papers

3,762
citations

30
h-index

55
g-index

220
ext. papers

4,431
ext. citations

3.2
avg, IF

6.03
L-index

#	Paper	IF	Citations
184	Practical distributed maneuvering target tracking using delayed information of heterogeneous unregistered sensors. <i>Signal Processing</i> , 2022 , 193, 108419	4.4	
183	Enlarging the region of stability in robust model predictive controller based on dual-mode control. <i>Transactions of the Institute of Measurement and Control</i> , 2021 , 43, 3085-3092	1.8	1
182	Strong Structural Controllability of Networks under Time-Invariant and Time-Varying Topological Perturbations. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 1375-1382	5.9	3
181	Laplacian Dynamics on Cographs: Controllability Analysis Through Joins and Unions. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 1383-1390	5.9	2
180	An integrated best-worst decomposition approach of nonlinear systems using gap metric and stability margin. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2021 , 235, 486-502	1	0
179	A systematic decomposition approach of nonlinear systems by combining gap metric and stability margin. <i>Transactions of the Institute of Measurement and Control</i> , 2021 , 43, 2006-2017	1.8	0
178	An algorithm to estimate parameters and states of a nonlinear maneuvering target.. <i>Cogent Engineering</i> , 2020 , 7, 1847711	1.5	
177	Design of Robust Finite-Time Nonlinear Controllers for a 6-DOF Autonomous Underwater Vehicle for Path Tracking Objective. <i>Journal of Control</i> , 2020 , 14, 93-113	0.1	
176	Designing Robust Finite-Time Nonlinear Torques for a n-DOF Robot Manipulator with Uncertainties, Sector and Dead-Zone Nonlinearities. <i>Journal of Control</i> , 2020 , 14, 73-91	0.1	
175	Multi-rate sampled-data algorithm for leader-follower flocking. <i>IET Control Theory and Applications</i> , 2020 , 14, 3038-3046	2.5	
174	LMI-based cooperative distributed model predictive control for Lipschitz nonlinear systems. <i>Optimal Control Applications and Methods</i> , 2020 , 41, 487-498	1.7	0
173	A multi-model control of nonlinear systems: A cascade decoupled design procedure based on stability and performance. <i>Transactions of the Institute of Measurement and Control</i> , 2020 , 42, 1271-1280	1.8	5
172	Dual-mode global stabilization of high-order saturated integrator chains: LMI-based MPC combined with a nested saturated feedback. <i>Nonlinear Dynamics</i> , 2020 , 102, 211-222	5	1
171	A high-performance guidance filter scheme with exact dynamic modeling of a pitch-yaw gimbaled seeker mechanism. <i>Mechanical Systems and Signal Processing</i> , 2020 , 144, 106857	7.8	3
170	Adaptive passive sensor selection for maneuvering target localization and tracking using a multisensor surveillance system. <i>Cogent Engineering</i> , 2020 , 7, 1798580	1.5	
169	Model Predictive Control of Nonlinear Discrete Time Systems with Guaranteed Stability. <i>Asian Journal of Control</i> , 2020 , 22, 657-666	1.7	9
168	A Cascade Multiple-Model Predictive Controller of Nonlinear Systems by Integrating Stability and Performance 2019 ,		1

167	Distributed Observer Type Protocol for Flocking of Linear Second-Order Multi-Agent Systems Subject to External Disturbance. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2019 , 141,	1.6	2
166	Sampled-data leader-follower algorithm for flocking of multi-agent systems. <i>IET Control Theory and Applications</i> , 2019 , 13, 609-619	2.5	6
165	Multi-leak Localization in Liquid Pipelines 2019 ,		1
164	Stability analysis of descriptor systems with multiple commensurate time-delays. <i>Journal of the Franklin Institute</i> , 2019 , 356, 8690-8705	4	4
163	Multi-agent system finite-time consensus control in the presence of disturbance and input saturation by using of adaptive terminal sliding mode method. <i>Cogent Engineering</i> , 2019 , 6, 1698689	1.5	5
162	Strong Structural Controllability of Signed Networks 2019 ,		2
161	Control of high order integrator chain systems subjected to disturbance and saturated control: A new adaptive scheme. <i>Automatica</i> , 2019 , 100, 108-113	5.7	13
160	A unified framework for passive-active fault-tolerant control systems considering actuator saturation and L ¹ disturbances. <i>International Journal of Control</i> , 2019 , 92, 653-663	1.5	9
159	Multimodel Control of Nonlinear Systems: An Improved Gap Metric and Stability Margin-Based Method. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018 , 140,	1.6	6
158	. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 2234-2241	5.9	37
157	Identification of EIV models by compensated PEM. <i>International Journal of Control</i> , 2018 , 91, 1541-1553	1.5	3
156	Fault-tolerant control considering time-varying bounds on faults. <i>Transactions of the Institute of Measurement and Control</i> , 2018 , 40, 2982-2990	1.8	2
155	Control of Droplet Detachment Frequency in a GMAW Process by a Hybrid Model Predictive Control. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018 , 140,	1.6	1
154	2018 ,		4
153	Null Space Strong Structural Controllability via Skew Zero Forcing Sets 2018 ,		4
152	Decentralized Robust Model Predictive Control for Multi-Input Linear Systems 2018 ,		1
151	Linear Active Disturbance Rejection Control From the Practical Aspects. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018 , 23, 2909-2919	5.5	36
150	Decomposition and robust non-fragile stabilisation of singular time-delay systems. <i>IET Control Theory and Applications</i> , 2018 , 12, 1882-1888	2.5	2

149	Identification of EIV models with coloured input-output noise: combining PEM and covariance matching method. <i>International Journal of Systems Science</i> , 2018 , 49, 1738-1747	2.3	1
148	Efficient algorithms for online tracking of set points in robust model predictive control. <i>International Journal of Systems Science</i> , 2017 , 48, 1635-1645	2.3	2
147	A New Structured Multimodel Control of Nonlinear Systems by Integrating Stability Margin and Performance. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2017 , 139,	1.6	6
146	Constrained tracking control for nonlinear systems. <i>ISA Transactions</i> , 2017 , 70, 64-72	5.5	8
145	Finite time control of robotic manipulators with position output feedback. <i>International Journal of Robust and Nonlinear Control</i> , 2017 , 27, 2982-2999	3.6	30
144	Robust adaptive fault-tolerant control for leader-follower flocking of uncertain multi-agent systems with actuator failure. <i>ISA Transactions</i> , 2017 , 71, 227-234	5.5	20
143	2017 ,		10
142	Asymptotic stability of linear descriptor systems with time-delay by designing delay margin 2017 ,		1
141	Computational load reduction in model predictive control of nonlinear systems via decomposition 2017 ,		3
140	Robust estimation of arc length in a GMAW process by an adaptive extended Kalman filter. <i>Transactions of the Institute of Measurement and Control</i> , 2016 , 38, 1334-1344	1.8	3
139	Stability of neutral type fractional delay systems and its relation with stability of time-delay and discrete systems. <i>IET Control Theory and Applications</i> , 2016 , 10, 2482-2489	2.5	5
138	A robust finite-time hyperchaotic secure communication scheme based on terminal sliding mode control 2016 ,		2
137	Free-chattering robust finite time tracking for connected double integrator nonlinear systems 2016 ,		1
136	Design of an RMPC with a time-varying terminal constraint set for tracking problem. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 2623-2642	3.6	4
135	Global Finite Time Stabilization of a Class of Uncertain MIMO Nonlinear Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2016 , 138,	1.6	3
134	Controllability analysis of networks through their topologies 2016 ,		10
133	Flocking of multi-agent systems with multiple second-order uncoupled linear dynamics and virtual leader. <i>IET Control Theory and Applications</i> , 2016 , 10, 853-860	2.5	16
132	Robust model predictive control of nonlinear processes represented by Wiener or Hammerstein models. <i>Chemical Engineering Science</i> , 2015 , 129, 223-231	4.4	40

131	Position convergence of informed agents in flocking problem with general linear dynamic agents. <i>IET Control Theory and Applications</i> , 2015 , 9, 392-398	2.5	6
130	LMI-based sufficient conditions for robust stability and stabilization of LTI-fractional-order systems subjected to interval and polytopic uncertainties. <i>Transactions of the Institute of Measurement and Control</i> , 2015 , 37, 1207-1216	1.8	19
129	Undamped oscillations in fractional-order Duffing oscillator. <i>Signal Processing</i> , 2015 , 107, 361-367	4.4	13
128	Stable regions in the parameter space of delays for LTI fractional-order systems with two delays. <i>Signal Processing</i> , 2015 , 107, 415-424	4.4	5
127	Fractional delayed damped Mathieu equation. <i>International Journal of Control</i> , 2015 , 88, 622-630	1.5	7
126	Integrated guidance and control of elastic flight vehicle based on robust MPC. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 2608-2630	3.6	29
125	Conditions on Decomposing Linear Systems With More Than One Matrix to Block Triangular or Diagonal Form. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 233-239	5.9	7
124	Control of resistance spot welding using model predictive control 2015 ,		1
123	Smooth switching in a scheduled robust model predictive controller. <i>Journal of Process Control</i> , 2015 , 31, 55-63	3.9	9
122	Synchronous consensus of double-integrator continuous-time multi-agent systems with switching topologies and time-varying delays 2015 ,		2
121	Design of a robust model predictive controller with reduced computational complexity. <i>ISA Transactions</i> , 2014 , 53, 1754-9	5.5	8
120	Robust non-fragile fractional order PID controller for linear time invariant fractional delay systems. <i>Journal of Process Control</i> , 2014 , 24, 1489-1494	3.9	13
119	Flocking Algorithms in Networks with Directed Switching Velocity Interaction Topologies. <i>Asian Journal of Control</i> , 2014 , 16, 1141-1154	1.7	4
118	How BIBO stability of LTI fractional-order time delayed systems relates to their approximated integer-order counterparts. <i>IET Control Theory and Applications</i> , 2014 , 8, 598-605	2.5	6
117	Theoretical Analysis of Flocking Algorithms in Networks of Second Order Dynamic Agents With Switching Topologies. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2014 , 136,	1.6	7
116	Study of Limit Cycles and Stability Analysis of Fractional Arneodo Oscillator. <i>Journal of Optimization Theory and Applications</i> , 2013 , 156, 68-78	1.6	1
115	Adaptive flocking control of nonlinear multi-agent systems with directed switching topologies and saturation constraints. <i>Journal of the Franklin Institute</i> , 2013 , 350, 1545-1561	4	32
114	Study on Control Input Energy Efficiency of Fractional Order Control Systems. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2013 , 3, 475-482	5.2	11

113	Stabilisation of commensurate fractional-order polytopic non-linear differential inclusion subject to input non-linearity and unknown disturbances. <i>IET Control Theory and Applications</i> , 2013 , 7, 1624-1633	2.5	8
112	Flocking of multi-agent dynamic systems with virtual leader having the reduced number of informed agents. <i>Transactions of the Institute of Measurement and Control</i> , 2013 , 35, 1104-1115	1.8	8
111	Characteristic ratio assignment in fractional order systems (case 0 Transactions of the Institute of Measurement and Control, 2013 , 35, 360-374	1.8	6
110	Adaptive leader-following consensus in multi-agent systems with second-order nonlinear dynamics and directed switching topologies 2013 ,		1
109	Stability of linear time invariant fractional delay systems of retarded type in the space of delay parameters. <i>Automatica</i> , 2013 , 49, 1287-1294	5.7	28
108	Robust stability check for fractional PID-based control systems. <i>Transactions of the Institute of Measurement and Control</i> , 2013 , 35, 236-246	1.8	11
107	On Exponential Flocking to the Virtual Leader in Network of Agents With Double-Integrator Dynamics. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2013 , 135,	1.6	2
106	The Effect of Fractional Order on Oscillatory Behavior of Scalar Fractional Delay Systems of Neutral Type. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 480-485		1
105	Average consensus in networks of dynamic multi-agents with switching topology: infinite matrix products. <i>ISA Transactions</i> , 2012 , 51, 522-30	5.5	21
104	Sensitivity analysis of CRA based controllers in fractional order systems. <i>Signal Processing</i> , 2012 , 92, 2040-2054	4.4	54
103	CRA based Control of non-minimum phase fractional order systems 2012 ,		2
102	A new method to control heat and mass transfer to work piece in a GMAW process. <i>Journal of Process Control</i> , 2012 , 22, 1087-1102	3.9	17
101	Control of gas metal arc welding by an extended DMC 2012 ,		1
100	Notes on the State Space Realizations of Rational Order Transfer Functions. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2011 , 58, 1099-1108	3.9	26
99	Necessary and Sufficient Conditions for BIBO-Stability of Some Fractional Delay Systems of Neutral Type. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 125-128	5.9	27
98	Welding current and arc voltage control in a GMAW process using ARMarkov based MPC. <i>Control Engineering Practice</i> , 2011 , 19, 1408-1422	3.9	26
97	Stabilization of fractional order systems using a finite number of state feedback laws. <i>Nonlinear Dynamics</i> , 2011 , 66, 141-152	5	17
96	An optimal approach to synchronize non-identical chaotic circuits: An experimental study. <i>International Journal of Circuit Theory and Applications</i> , 2011 , 39, 947-962	2	6

95	Fractional order model reduction approach based on retention of the dominant dynamics: application in IMC based tuning of FOPI and FOPID controllers. <i>ISA Transactions</i> , 2011 , 50, 432-42	5.5	68
94	Estimation and control of droplet size and frequency in projected spray mode of a gas metal arc welding (GMAW) process. <i>ISA Transactions</i> , 2011 , 50, 409-18	5.5	15
93	Stability preservation analysis in direct discretization of fractional order transfer functions. <i>Signal Processing</i> , 2011 , 91, 508-512	4.4	15
92	Order and pole locator estimation in fractional order systems using bode diagram. <i>Signal Processing</i> , 2011 , 91, 191-202	4.4	11
91	ROBUST SYNCHRONIZATION OF CHAOTIC SYSTEMS USING ACTIVE SLIDING MODE CONTROL WITH MINIMUM CONTROL EFFORT. <i>International Journal of Modern Physics B</i> , 2011 , 25, 2271-2288	1.1	4
90	CDM-based closed-loop transfer function design for ramp input. <i>Transactions of the Institute of Measurement and Control</i> , 2011 , 33, 558-572	1.8	7
89	Design of fractional order proportionalintegralderivative controller based on moment matching and characteristic ratio assignment method. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2011 , 225, 1040-1053	1	4
88	Temperature Control of a Cutting Process Using Fractional Order Proportional-Integral-Derivative Controller. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2011 , 133,	1.6	13
87	Phase Plane Characteristics of Marginally Stable Fractional Order Systems 2011 , 293-301		1
86	Over- and under-convergent step responses in fractional-order transfer functions. <i>Transactions of the Institute of Measurement and Control</i> , 2010 , 32, 376-394	1.8	14
85	Parametric identification of fractional-order systems using a fractional Legendre basis. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2010 , 224, 261-274	1	3
84	Stabilization of Unstable Fixed Points of Fractional-Order Systems by Fractional-Order Linear Controllers and Its Applications in Suppression of Chaotic Oscillations. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2010 , 132,	1.6	6
83	FRACTIONAL CALCULUS BASED STABILIZATION TECHNIQUE APPLIED TO SUPPRESS CHAOS IN CHAOTIC CIRCUITS. <i>International Journal of Modern Physics B</i> , 2010 , 24, 4861-4879	1.1	1
82	Maximum Number of Frequencies in Oscillations Generated by Fractional Order LTI Systems. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 4003-4012	4.8	20
81	The Minimal State Space Realization for a Class of Fractional Order Transfer Functions. <i>SIAM Journal on Control and Optimization</i> , 2010 , 48, 4317-4326	1.9	20
80	Model predictive control of non-linear discrete time systems: a linear matrix inequality approach. <i>IET Control Theory and Applications</i> , 2010 , 4, 1922-1932	2.5	49
79	Robustness in fractional proportionalintegralderivative-based closed-loop systems. <i>IET Control Theory and Applications</i> , 2010 , 4, 1933-1944	2.5	12
78	Robust stability testing function and Kharitonov-like theorem for fractional order interval systems. <i>IET Control Theory and Applications</i> , 2010 , 4, 2097-2108	2.5	49

77	Final Comments by the Authors. <i>European Journal of Control</i> , 2010 , 16, 698-699	2.5	
76	Simple Fractional Order Model Structures and their Applications in Control System Design. <i>European Journal of Control</i> , 2010 , 16, 680-694	2.5	47
75	Robustness Margin in Linear Time Invariant Fractional Order Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2010 , 43, 198-203		3
74	Gas Metal Arc Welding process control based on arc length and arc voltage 2010 ,		4
73	Characteristic ratio assignment in fractional order systems. <i>ISA Transactions</i> , 2010 , 49, 470-8	5.5	14
72	Analysis of a fractional order Van der Pol-like oscillator via describing function method. <i>Nonlinear Dynamics</i> , 2010 , 61, 265-274	5	29
71	Experimental study of a chaos-based communication system in the presence of unknown transmission delay. <i>International Journal of Circuit Theory and Applications</i> , 2010 , 38, 1013-1025	2	12
70	Rational approximations in the simulation and implementation of fractional-order dynamics: A descriptor system approach. <i>Automatica</i> , 2010 , 46, 94-100	5.7	64
69	On robust stability of LTI fractional-order delay systems of retarded and neutral type. <i>Automatica</i> , 2010 , 46, 362-368	5.7	63
68	Generalization of order distribution concept use in the fractional order system identification. <i>Signal Processing</i> , 2010 , 90, 2243-2252	4.4	8
67	Identifiability of fractional order systems using input output frequency contents. <i>ISA Transactions</i> , 2010 , 49, 207-14	5.5	20
66	Chaos generation via a switching fractional multi-model system. <i>Nonlinear Analysis: Real World Applications</i> , 2010 , 11, 332-340	2.1	16
65	Periodic characteristic ratio (PCR) method: An alternative method to determine the characteristic polynomial. <i>Mathematics and Computers in Simulation</i> , 2010 , 80, 1841-1853	3.3	7
64	Modified impulsive synchronization of hyperchaotic systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010 , 15, 728-740	3.7	13
63	Implementation of MPC as an AQM controller. <i>Computer Communications</i> , 2010 , 33, 227-239	5.1	14
62	Some Bounds on Maximum Number of Frequencies Existing in Oscillations Produced by Linear Fractional Order Systems 2010 , 213-220		
61	Using fractional-order integrator to control chaos in single-input chaotic systems. <i>Nonlinear Dynamics</i> , 2009 , 55, 179-190	5	21
60	Describing function based methods for predicting chaos in a class of fractional order differential equations. <i>Nonlinear Dynamics</i> , 2009 , 57, 363-373	5	28

59	Taming Single Input Chaotic Systems by Fractional Differentiator-Based Controller: Theoretical and Experimental Study. <i>Circuits, Systems, and Signal Processing</i> , 2009 , 28, 625-647	2.2	5
58	Time-series analysis of TCP/RED computer networks, an empirical study. <i>Chaos, Solitons and Fractals</i> , 2009 , 39, 784-800	9.3	8
57	Predictive functional control for active queue management in congested TCP/IP networks. <i>ISA Transactions</i> , 2009 , 48, 107-21	5.5	28
56	On robust stability of linear time invariant fractional-order systems with real parametric uncertainties. <i>ISA Transactions</i> , 2009 , 48, 484-90	5.5	22
55	A note on the stability of fractional order systems. <i>Mathematics and Computers in Simulation</i> , 2009 , 79, 1566-1576	3.3	171
54	Chaos in the APFM nonlinear adaptive filter. <i>Signal Processing</i> , 2009 , 89, 697-702	4.4	11
53	Robustness and robust stability of the active sliding mode synchronization. <i>Chaos, Solitons and Fractals</i> , 2009 , 39, 196-203	9.3	9
52	Robust stability of impulsive synchronization in hyperchaotic systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009 , 14, 880-891	3.7	13
51	CDM-based design and performance evaluation of a robust AQM method for dynamic TCP/AQM networks. <i>Computer Communications</i> , 2009 , 32, 213-229	5.1	11
50	A proof for non existence of periodic solutions in time invariant fractional order systems. <i>Automatica</i> , 2009 , 45, 1886-1890	5.7	136
49	. <i>Canadian Journal of Electrical and Computer Engineering</i> , 2009 , 34, 3-9	1.4	
48	More Details on Analysis of Fractional-order Van der Pol Oscillator. <i>JVC/Journal of Vibration and Control</i> , 2009 , 15, 803-819	2	81
47	Model reduction in commensurate fractional-order linear systems. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2009 , 223, 493-505	1	18
46	Stability Preservation Analysis for Frequency-Based Methods in Numerical Simulation of Fractional Order Systems. <i>SIAM Journal on Numerical Analysis</i> , 2009 , 47, 321-338	2.4	33
45	Tuning Rules For The Pid Controller Using A Dmc Strategy. <i>Asian Journal of Control</i> , 2008 , 4, 410-417	1.7	5
44	Some Applications of Fractional Calculus in Suppression of Chaotic Oscillations. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 4094-4101	8.9	100
43	Fractional controller to stabilize fixed points of uncertain chaotic systems: Theoretical and experimental study. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2008 , 222, 175-184	1	12
42	Stabilization of Unstable Fixed Points of Chaotic Fractional Order Systems by a State Fractional PI Controller. <i>European Journal of Control</i> , 2008 , 14, 247-257	2.5	32

41	Estimating the fractional order of orthogonal rational functions used in the identification 2008 ,		2
40	Regular oscillations or chaos in a fractional order system with any effective dimension. <i>Nonlinear Dynamics</i> , 2008 , 54, 213-222	5	18
39	AMPCS: Adaptive model predictive control scheduler for guaranteed delay in DiffServ architecture. <i>International Journal of Communication Systems</i> , 2008 , 21, 233-249	1.7	2
38	AQM controller design for networks supporting TCP vegas: a control theoretical approach. <i>ISA Transactions</i> , 2008 , 47, 143-55	5.5	4
37	Chaotic attractors in incommensurate fractional order systems. <i>Physica D: Nonlinear Phenomena</i> , 2008 , 237, 2628-2637	3.3	239
36	Chaos control via a simple fractional-order controller. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 798-807	2.3	70
35	Analysis of undamped oscillations generated by marginally stable fractional order systems. <i>Signal Processing</i> , 2008 , 88, 2971-2978	4.4	33
34	Impulsive synchronization of different hyperchaotic (chaotic) systems. <i>Chaos, Solitons and Fractals</i> , 2008 , 38, 120-131	9.3	24
33	Synchronization of chaotic fractional-order systems via active sliding mode controller. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008 , 387, 57-70	3.3	191
32	Limitations of frequency domain approximation for detecting chaos in fractional order systems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2008 , 69, 1299-1320	1.3	112
31	Active Queue Management of TCP/IP Networks Using Rule-Based Predictive Control 2007 ,		3
30	2007 ,		1
29	An optimization algorithm based on chaotic behavior and fractal nature. <i>Journal of Computational and Applied Mathematics</i> , 2007 , 206, 1070-1081	2.4	55
28	Synchronizing different chaotic systems using active sliding mode control. <i>Chaos, Solitons and Fractals</i> , 2007 , 31, 119-129	9.3	44
27	Synchronization of uncertain chaotic systems using active sliding mode control. <i>Chaos, Solitons and Fractals</i> , 2007 , 33, 1230-1239	9.3	33
26	Comparison of different one-dimensional maps as chaotic search pattern in chaos optimization algorithms. <i>Applied Mathematics and Computation</i> , 2007 , 187, 1076-1085	2.7	191
25	Characterization of complex behaviors of TCP/RED computer networks based on nonlinear time series analysis methods. <i>Physica D: Nonlinear Phenomena</i> , 2007 , 233, 138-150	3.3	7
24	A necessary condition for double scroll attractor existence in fractional-order systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 367, 102-113	2.3	263

23	Determination of active sliding mode controller parameters in synchronizing different chaotic systems. <i>Chaos, Solitons and Fractals</i> , 2007 , 32, 583-591	9.3	34
22	On tuning and complexity of an adaptive model predictive control scheduler. <i>Control Engineering Practice</i> , 2007 , 15, 1169-1178	3.9	1
21	Adaptive congestion estimation and control in active queue management 2007 ,		1
20	Unreliability of frequency-domain approximation in recognising chaos in fractional-order systems. <i>IET Signal Processing</i> , 2007 , 1, 171-181	1.7	120
19	Comparison between different synchronization methods of identical chaotic systems. <i>Chaos, Solitons and Fractals</i> , 2006 , 29, 1002-1022	9.3	17
18	Complete and lag synchronization of hyperchaos using nonlinear controller 2006 ,		1
17	Adaptive model predictive TCP delay-based congestion control. <i>Computer Communications</i> , 2006 , 29, 1963-1978	5.1	10
16	Impulsive synchronization of Chen's hyperchaotic system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006 , 356, 226-230	2.3	24
15	Comparative study of various methods for synchronizing two different chaotic systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006 , 356, 59-64	2.3	7
14	Predictive directional compensator for systems with input constraints. <i>ISA Transactions</i> , 2006 , 45, 393-405	5.5	1
13	SMPCS: Sub-optimal Model Predictive Control Scheduler. <i>Lecture Notes in Computer Science</i> , 2006 , 554-565		2
12	Simplified modeling and generalized predictive position control of an ultrasonic motor. <i>ISA Transactions</i> , 2005 , 44, 273-82	5.5	9
11	Application of extended DMC for nonlinear MIMO systems. <i>Computers and Chemical Engineering</i> , 2005 , 29, 1867-1874	4	12
10	Modeling the Parkinson's tremor and its treatments. <i>Journal of Theoretical Biology</i> , 2005 , 236, 311-22	2.3	56
9	PI design based on DMC strategy. <i>Transactions of the Institute of Measurement and Control</i> , 2005 , 27, 21-36	1.8	3
8	CURRENT HARMONIC COMPENSATION USING PREDICTIVE CONTROLLERS. <i>Journal of Circuits, Systems and Computers</i> , 2004 , 13, 1065-1078	0.9	2
7	Improved EDMC for the processes with high variations and/or sign changes in steady-state gain. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2004 , 23, 361-380	0.7	6
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