Mohammad Haeri

List of Publications by Year
in descending order

219 papers	4,907 citations	117453 34 h-index	114278 63 g-index
220 all docs	220 docs citations	220 times ranked	2769 citing authors

#	Article	IF	Citations
1	A necessary condition for double scroll attractor existence in fractional-order systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 367, 102-113.	0.9	324
2	Chaotic attractors in incommensurate fractional order systems. Physica D: Nonlinear Phenomena, 2008, 237, 2628-2637.	1.3	292
3	Synchronization of chaotic fractional-order systems via active sliding mode controller. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 57-70.	1.2	245
4	Comparison of different one-dimensional maps as chaotic search pattern in chaos optimization algorithms. Applied Mathematics and Computation, 2007, 187, 1076-1085.	1.4	234
5	A note on the stability of fractional order systems. Mathematics and Computers in Simulation, 2009, 79, 1566-1576.	2.4	229
6	A proof for non existence of periodic solutions in time invariant fractional order systems. Automatica, 2009, 45, 1886-1890.	3.0	165
7	Unreliability of frequency-domain approximation in recognising chaos in fractional-order systems. IET Signal Processing, 2007, 1, 171-181.	0.9	142
8	Limitations of frequency domain approximation for detecting chaos in fractional order systems. Nonlinear Analysis: Theory, Methods & Applications, 2008, 69, 1299-1320.	0.6	132
9	Some Applications of Fractional Calculus in Suppression of Chaotic Oscillations. IEEE Transactions on Industrial Electronics, 2008, 55, 4094-4101.	5.2	127
10	More Details on Analysis of Fractional-order Van der Pol Oscillator. JVC/Journal of Vibration and Control, 2009, 15, 803-819.	1.5	93
11	Chaos control via a simple fractional-order controller. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 798-807.	0.9	88
12	Fractional order model reduction approach based on retention of the dominant dynamics: Application in IMC based tuning of FOPI and FOPID controllers. ISA Transactions, 2011, 50, 432-442.	3.1	85
13	On robust stability of LTI fractional-order delay systems of retarded and neutral type. Automatica, 2010, 46, 362-368.	3.0	79
14	Rational approximations in the simulation and implementation of fractional-order dynamics: A descriptor system approach. Automatica, 2010, 46, 94-100.	3.0	76
15	On the Structural and Strong Structural Controllability of Undirected Networks. IEEE Transactions on Automatic Control, 2018, 63, 2234-2241.	3.6	74
16	An optimization algorithm based on chaotic behavior and fractal nature. Journal of Computational and Applied Mathematics, 2007, 206, 1070-1081.	1.1	71
17	Modeling the Parkinson's tremor and its treatments. Journal of Theoretical Biology, 2005, 236, 311-322.	0.8	68
18	Model predictive control of non-linear discrete time systems: a linear matrix inequality approach. IET Control Theory and Applications, 2010, 4, 1922-1932.	1.2	67

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19	Synchronizing different chaotic systems using active sliding mode control. Chaos, Solitons and Fractals, 2007, 31, 119-129.	2.5	65
20	Robust stability testing function and Kharitonov-like theorem for fractional order interval systems. IET Control Theory and Applications, 2010, 4, 2097-2108.	1.2	65
21	Linear Active Disturbance Rejection Control From the Practical Aspects. IEEE/ASME Transactions on Mechatronics, 2018, 23, 2909-2919.	3.7	61
22	Simple Fractional Order Model Structures and their Applications in Control System Design. European Journal of Control, 2010, 16, 680-694.	1.6	59
23	Robust model predictive control of nonlinear processes represented by Wiener or Hammerstein models. Chemical Engineering Science, 2015, 129, 223-231.	1.9	48
24	Synchronization of uncertain chaotic systems using active sliding mode control. Chaos, Solitons and Fractals, 2007, 33, 1230-1239.	2.5	47
25	Integrated guidance and control of elastic flight vehicle based on robust MPC. International Journal of Robust and Nonlinear Control, 2015, 25, 2608-2630.	2.1	47
26	Determination of active sliding mode controller parameters in synchronizing different chaotic systems. Chaos, Solitons and Fractals, 2007, 32, 583-591.	2.5	44
27	Adaptive flocking control of nonlinear multi-agent systems with directed switching topologies and saturation constraints. Journal of the Franklin Institute, 2013, 350, 1545-1561.	1.9	43
28	Modeling and control of a continuous crystallization process Part 2. Model predictive control. Computers and Chemical Engineering, 1999, 23, 279-286.	2.0	38
29	Analysis of undamped oscillations generated by marginally stable fractional order systems. Signal Processing, 2008, 88, 2971-2978.	2.1	38
30	Stability Preservation Analysis for Frequency-Based Methods in Numerical Simulation of Fractional Order Systems. SIAM Journal on Numerical Analysis, 2009, 47, 321-338.	1.1	38
31	Finite time control of robotic manipulators with position output feedback. International Journal of Robust and Nonlinear Control, 2017, 27, 2982-2999.	2.1	38
32	Welding current and arc voltage control in a GMAW process using ARMarkov based MPC. Control Engineering Practice, 2011, 19, 1408-1422.	3.2	37
33	Predictive functional control for active queue management in congested TCP/IP networks. ISA Transactions, 2009, 48, 107-121.	3.1	36
34	Modeling of Pain Using Artificial Neural Networks. Journal of Theoretical Biology, 2003, 220, 277-284.	0.8	34
35	Impulsive synchronization of Chen's hyperchaotic system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 356, 226-230.	0.9	34
36	Stabilization of Unstable Fixed Points of Chaotic Fractional Order Systems by a State Fractional PI Controller. European Journal of Control, 2008, 14, 247-257.	1.6	34

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37	Describing function based methods for predicting chaos in a class of fractional order differential equations. Nonlinear Dynamics, 2009, 57, 363-373.	2.7	33
38	On robust stability of linear time invariant fractional-order systems with real parametric uncertainties. ISA Transactions, 2009, 48, 484-490.	3.1	33
39	Notes on the State Space Realizations of Rational Order Transfer Functions. IEEE Transactions on Circuits and Systems I: Regular Papers, 2011, 58, 1099-1108.	3.5	33
40	Necessary and Sufficient Conditions for BIBO-Stability of Some Fractional Delay Systems of Neutral Type. IEEE Transactions on Automatic Control, 2011, 56, 125-128.	3.6	32
41	Analysis of a fractional order Van der Pol-like oscillator via describing function method. Nonlinear Dynamics, 2010, 61, 265-274.	2.7	31
42	Stability of linear time invariant fractional delay systems of retarded type in the space of delay parameters. Automatica, 2013, 49, 1287-1294.	3.0	29
43	Robust adaptive fault-tolerant control for leader-follower flocking of uncertain multi-agent systems with actuator failure. ISA Transactions, 2017, 71, 227-234.	3.1	29
44	Using fractional-order integrator to control chaos in single-input chaotic systems. Nonlinear Dynamics, 2009, 55, 179-190.	2.7	28
45	Impulsive synchronization of different hyperchaotic (chaotic) systems. Chaos, Solitons and Fractals, 2008, 38, 120-131.	2.5	26
46	Identifiability of fractional order systems using input output frequency contents. ISA Transactions, 2010, 49, 207-214.	3.1	26
47	Maximum Number of Frequencies in Oscillations Generated by Fractional Order LTI Systems. IEEE Transactions on Signal Processing, 2010, 58, 4003-4012.	3.2	26
48	Modeling and control of a continuous crystallization process Part 1. Linear and non-linear modeling. Computers and Chemical Engineering, 1999, 23, 263-277.	2.0	25
49	Comparison between different synchronization methods of identical chaotic systems. Chaos, Solitons and Fractals, 2006, 29, 1002-1022.	2.5	25
50	Regular oscillations or chaos in a fractional order system with any effective dimension. Nonlinear Dynamics, 2008, 54, 213-222.	2.7	25
51	Average consensus in networks of dynamic multi-agents with switching topology: Infinite matrix products. ISA Transactions, 2012, 51, 522-530.	3.1	25
52	Model reduction in commensurate fractional-order linear systems. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2009, 223, 493-505.	0.7	24
53	The Minimal State Space Realization for a Class of Fractional Order Transfer Functions. SIAM Journal on Control and Optimization, 2010, 48, 4317-4326.	1.1	24
54	LMI-based sufficient conditions for robust stability and stabilization of LTI-fractional-order systems subjected to interval and polytopic uncertainties. Transactions of the Institute of Measurement and Control, 2015, 37, 1207-1216.	1.1	24

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55	A new method to control heat and mass transfer to work piece in a GMAW process. Journal of Process Control, 2012, 22, 1087-1102.	1.7	23
56	Flocking of multiâ€agent systems with multiple secondâ€order uncoupled linear dynamics and virtual leader. IET Control Theory and Applications, 2016, 10, 853-860.	1.2	23
57	Characteristic ratio assignment in fractional order systems. ISA Transactions, 2010, 49, 470-478.	3.1	20
58	Implementation of MPC as an AQM controller. Computer Communications, 2010, 33, 227-239.	3.1	20
59	Stabilization of fractional order systems using a finite number of state feedback laws. Nonlinear Dynamics, 2011, 66, 141-152.	2.7	20
60	Estimation and control of droplet size and frequency in projected spray mode of a gas metal arc welding (GMAW) process. ISA Transactions, 2011, 50, 409-418.	3.1	20
61	Control of high order integrator chain systems subjected to disturbance and saturated control: A new adaptive scheme. Automatica, 2019, 100, 108-113.	3.0	20
62	Chaos generation via a switching fractional multi-model system. Nonlinear Analysis: Real World Applications, 2010, 11, 332-340.	0.9	19
63	Robust stability of impulsive synchronization in hyperchaotic systems. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 880-891.	1.7	17
64	Robustness in fractional proportionalâ€"integralâ€"derivative-based closed-loop systems. IET Control Theory and Applications, 2010, 4, 1933-1944.	1.2	17
65	Robust non-fragile fractional order PID controller for linear time invariant fractional delay systems. Journal of Process Control, 2014, 24, 1489-1494.	1.7	17
66	Laplacian Dynamics on Cographs: Controllability Analysis Through Joins and Unions. IEEE Transactions on Automatic Control, 2021, 66, 1383-1390.	3.6	17
67	Application of extended DMC for nonlinear MIMO systems. Computers and Chemical Engineering, 2005, 29, 1867-1874.	2.0	16
68	Experimental study of a chaosâ€based communication system in the presence of unknown transmission delay. International Journal of Circuit Theory and Applications, 2010, 38, 1013-1025.	1.3	16
69	Stability preservation analysis in direct discretization of fractional order transfer functions. Signal Processing, 2011, 91, 508-512.	2.1	16
70	Robust stability check for fractional PID-based control systems. Transactions of the Institute of Measurement and Control, 2013, 35, 236-246.	1.1	16
71	Undamped oscillations in fractional-order Duffing oscillator. Signal Processing, 2015, 107, 361-367.	2.1	16
72	Strong Structural Controllability of Networks under Time-Invariant and Time-Varying Topological Perturbations. IEEE Transactions on Automatic Control, 2021, 66, 1375-1382.	3.6	16

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73	Modified impulsive synchronization of hyperchaotic systems. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 728-740.	1.7	15
74	Over- and under-convergent step responses in fractional-order transfer functions. Transactions of the Institute of Measurement and Control, 2010, 32, 376-394.	1.1	15
75	Robust strong structural controllability of networks with respect to edge additions and deletions. , 2017, , .		15
76	Chaos in the APFM nonlinear adaptive filter. Signal Processing, 2009, 89, 697-702.	2.1	14
77	CDM-based design and performance evaluation of a robust AQM method for dynamic TCP/AQM networks. Computer Communications, 2009, 32, 213-229.	3.1	14
78	Temperature Control of a Cutting Process Using Fractional Order Proportional-Integral-Derivative Controller. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2011, 133, .	0.9	14
79	Study on Control Input Energy Efficiency of Fractional Order Control Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2013, 3, 475-482.	2.7	14
80	Controllability analysis of networks through their topologies. , 2016, , .		14
81	A unified framework for passive–active fault-tolerant control systems considering actuator saturation and L_∞ disturbances. International Journal of Control, 2019, 92, 653-663.	1.2	14
82	Fractional controller to stabilize fixed points of uncertain chaotic systems: Theoretical and experimental study. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2008, 222, 175-184.	0.7	13
83	Adaptive model predictive TCP delay-based congestion control. Computer Communications, 2006, 29, 1963-1978.	3.1	12
84	Order and pole locator estimation in fractional order systems using bode diagram. Signal Processing, 2011, 91, 191-202.	2.1	12
85	A multi-model control of nonlinear systems: A cascade decoupled design procedure based on stability and performance. Transactions of the Institute of Measurement and Control, 2020, 42, 1271-1280.	1.1	12
86	Simplified modeling and generalized predictive position control of an ultrasonic motor. ISA Transactions, 2005, 44, 273-282.	3.1	11
87	Comparative study of various methods for synchronizing two different chaotic systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 356, 59-64.	0.9	11
88	Flocking of multi-agent dynamic systems with virtual leader having the reduced number of informed agents. Transactions of the Institute of Measurement and Control, 2013, 35, 1104-1115.	1.1	11
89	Smooth switching in a scheduled robust model predictive controller. Journal of Process Control, 2015, 31, 55-63.	1.7	11
90	Multimodel Control of Nonlinear Systems: An Improved Gap Metric and Stability Margin-Based Method. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	0.9	11

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91	Model Predictive Control of Nonlinear Discrete Time Systems with Guaranteed Stability. Asian Journal of Control, 2020, 22, 657-666.	1.9	11
92	Gas Metal Arc Welding process control based on arc length and arc voltage. , 2010, , .		10
93	Fractional delayed damped Mathieu equation. International Journal of Control, 2015, 88, 622-630.	1.2	10
94	Constrained tracking control for nonlinear systems. ISA Transactions, 2017, 70, 64-72.	3.1	10
95	Sampledâ€data leaderâ€"follower algorithm for flocking of multiâ€agent systems. IET Control Theory and Applications, 2019, 13, 609-619.	1.2	10
96	A high-performance guidance filter scheme with exact dynamic modeling of a pitch-yaw gimballed seeker mechanism. Mechanical Systems and Signal Processing, 2020, 144, 106857.	4.4	10
97	Improved EDMC for the processes with high variations and/or sign changes in steadyâ€state gain. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2004, 23, 361-380.	0.5	9
98	Characterization of complex behaviors of TCP/RED computer networks based on nonlinear time series analysis methods. Physica D: Nonlinear Phenomena, 2007, 233, 138-150.	1.3	9
99	Time-series analysis of TCP/RED computer networks, an empirical study. Chaos, Solitons and Fractals, 2009, 39, 784-800.	2.5	9
100	Robustness and robust stability of the active sliding mode synchronization. Chaos, Solitons and Fractals, 2009, 39, 196-203.	2.5	9
101	Generalization of order distribution concept use in the fractional order system identification. Signal Processing, 2010, 90, 2243-2252.	2.1	9
102	CDM-based closed-loop transfer function design for ramp input. Transactions of the Institute of Measurement and Control, 2011, 33, 558-572.	1.1	9
103	Stabilisation of commensurate fractionalâ€order polytopic nonâ€linear differential inclusion subject to input nonâ€linearity and unknown disturbances. IET Control Theory and Applications, 2013, 7, 1624-1633.	1.2	9
104	Theoretical Analysis of Flocking Algorithms in Networks of Second Order Dynamic Agents With Switching Topologies. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	0.9	9
105	Design of a robust model predictive controller with reduced computational complexity. ISA Transactions, 2014, 53, 1754-1759.	3.1	9
106	Flocking Algorithms in Networks with Directed Switching Velocity Interaction Topologies. Asian Journal of Control, 2014, 16, 1141-1154.	1.9	9
107	How BIBO stability of LTI fractionalâ€order time delayed systems relates to their approximated integerâ€order counterparts. IET Control Theory and Applications, 2014, 8, 598-605.	1.2	9
108	A New Structured Multimodel Control of Nonlinear Systems by Integrating Stability Margin and Performance. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2017, 139, .	0.9	9

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109	Position convergence of informed agents in flocking problem with general linear dynamic agents. IET Control Theory and Applications, 2015, 9, 392-398.	1.2	8
110	Conditions on Decomposing Linear Systems With More Than One Matrix to Block Triangular or Diagonal Form. IEEE Transactions on Automatic Control, 2015, 60, 233-239.	3.6	8
111	AQM for Dynamic QoS Adaptation in DiffServ Networks Based on STAC. , 2006, , .		7
112	AQM controller design for networks supporting TCP vegas: A control theoretical approach. ISA Transactions, 2008, 47, 143-155.	3.1	7
113	Periodic characteristic ratio (PCR) method: An alternative method to determine the characteristic polynomial. Mathematics and Computers in Simulation, 2010, 80, 1841-1853.	2.4	7
114	Characteristic ratio assignment in fractional order systems (case 0 < ν â‰¤0.5). Transactions of the Institute of Measurement and Control, 2013, 35, 360-374.	1.1	7
115	Strong Structural Controllability of Signed Networks. , 2019, , .		7
116	A systematic decomposition approach of nonlinear systems by combining gap metric and stability margin. Transactions of the Institute of Measurement and Control, 2021, 43, 2006-2017.	1.1	7
117	Controllability Analysis of Threshold Graphs and Cographs. , 2018, , .		7
118	Stabilization of Unstable Fixed Points of Fractional-Order Systems by Fractional-Order Linear Controllers and Its Applications in Suppression of Chaotic Oscillations. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2010, 132, .	0.9	6
119	An optimal approach to synchronize nonâ€identical chaotic circuits: An experimental study. International Journal of Circuit Theory and Applications, 2011, 39, 947-962.	1.3	6
120	Design of fractional order proportionalâ€"integralâ€"derivative controller based on moment matching and characteristic ratio assignment method. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2011, 225, 1040-1053.	0.7	6
121	Stable regions in the parameter space of delays for LTI fractional-order systems with two delays. Signal Processing, 2015, 107, 415-424.	2.1	6
122	Stability of neutral type fractional delay systems and its relation with stability of timeâ€delay and discrete systems. IET Control Theory and Applications, 2016, 10, 2482-2489.	1.2	6
123	Null Space Strong Structural Controllability via Skew Zero Forcing Sets. , 2018, , .		6
124	Stability analysis of descriptor systems with multiple commensurate time-delays. Journal of the Franklin Institute, 2019, 356, 8690-8705.	1.9	6
125	Distributed Observer Type Protocol for Flocking of Linear Second-Order Multi-Agent Systems Subject to External Disturbance. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, .	0.9	6
126	Multi-agent system finite-time consensus control in the presence of disturbance and input saturation by using of adaptive terminal sliding mode method. Cogent Engineering, 2019, 6, .	1.1	6

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127	Tuning Rules For The Pid Controller Using A Dmc Strategy. Asian Journal of Control, 2002, 4, 410-417.	1.9	5
128	Taming Single Input Chaotic Systems by Fractional Differentiator-Based Controller: Theoretical andÂExperimental Study. Circuits, Systems, and Signal Processing, 2009, 28, 625-647.	1.2	5
129	Sensitivity analysis of CRA based controllers in fractional order systems. Signal Processing, 2012, 92, 2040-2055.	2.1	5
130	Global Finite Time Stabilization of a Class of Uncertain MIMO Nonlinear Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2016, 138, .	0.9	5
131	Distributed fault detection and isolation in timeâ€varying formation tracking UAV multiâ€agent systems. Asian Journal of Control, 2023, 25, 604-622.	1.9	5
132	Active Queue Management of TCP/IP Networks Using Rule-Based Predictive Control. , 2007, , .		4
133	Robustness Margin in Linear Time Invariant Fractional Order Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 198-203.	0.4	4
134	Designing of a static frequency observer for GMAW process in the globular transfer mode. , 2010, , .		4
135	ROBUST SYNCHRONIZATION OF CHAOTIC SYSTEMS USING ACTIVE SLIDING MODE CONTROL WITH MINIMUM CONTROL EFFORT. International Journal of Modern Physics B, 2011, 25, 2271-2288.	1.0	4
136	CRA based Control of non-minimum phase fractional order systems. , 2012, , .		4
137	Design of an RMPC with a timeâ€varying terminal constraint set for tracking problem. International Journal of Robust and Nonlinear Control, 2016, 26, 2623-2642.	2.1	4
138	Computational load reduction in model predictive control of nonlinear systems via decomposition. , 2017, , .		4
139	Identification of EIV models by compensated PEM. International Journal of Control, 2018, 91, 1541-1553.	1.2	4
140	A Special Issue in ISA Transactions â€œFractional Order Signals, Systems, and Controls: Theory and Applicationâ€. ISA Transactions, 2018, 82, 1.	3.1	4
141	Decomposition and robust nonâ€fragile stabilisation of singular timeâ€delay systems. IET Control Theory and Applications, 2018, 12, 1882-1888.	1.2	4
142	SMPCS: Sub-optimal Model Predictive Control Scheduler. Lecture Notes in Computer Science, 2006, , 554-565.	1.0	4
143	On tuning a state space self-tuning model predictive control scheduler. , 0, , .		3
144	PI design based on DMC strategy. Transactions of the Institute of Measurement and Control, 2005, 27, 21-36.	1.1	3

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145	Adaptive congestion estimation and control in active queue management. , 2007, , .		3
146	Parametric identification of fractional-order systems using a fractional Legendre basis. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2010, 224, 261-274.	0.7	3
147	Synchronous consensus of double-integrator continuous-time multi-agent systems with switching topologies and time-varying delays. , 2015, , .		3
148	A robust finite-time hyperchaotic secure communication scheme based on terminal sliding mode control. , 2016, , .		3
149	Robust estimation of arc length in a GMAW process by an adaptive extended Kalman filter. Transactions of the Institute of Measurement and Control, 2016, 38, 1334-1344.	1.1	3
150	Decentralized Robust Model Predictive Control for Multi-Input Linear Systems. , 2018, , .		3
151	Control of Droplet Detachment Frequency in a GMAW Process by a Hybrid Model Predictive Control. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	0.9	3
152	Game Theory meets Distributed Model Predictive Control in Vehicle-to-Grid Systems. , 2019, , .		3
153	Dual-mode global stabilization of high-order saturated integrator chains: LMI-based MPC combined with a nested saturated feedback. Nonlinear Dynamics, 2020, 102, 211-222.	2.7	3
154	Reduced multiple model predictive control of an heating, ventilating, and air conditioning system using gap metric and stability margin. Building Services Engineering Research and Technology, 2022, 43, 589-603.	0.9	3
155	CURRENT HARMONIC COMPENSATION USING PREDICTIVE CONTROLLERS. Journal of Circuits, Systems and Computers, 2004, 13, 1065-1078.	1.0	2
156	Position control of an ultrasonic motor using generalized predictive control. , 0, , .		2
157	On tuning and complexity of an adaptive model predictive control scheduler. Control Engineering Practice, 2007, 15, 1169-1178.	3.2	2
158	AMPCS: Adaptive model predictive control scheduler for guaranteed delay in DiffServ architecture. International Journal of Communication Systems, 2008, 21, 233-249.	1.6	2
159	Application of fractional derivative in control functions. , 2008, , .		2
160	Estimating the fractional order of orthogonal rational functions used in the identification. , 2008, , .		2
161	Study of Limit Cycles and Stability Analysis of Fractional Arneodo Oscillator. Journal of Optimization Theory and Applications, 2013, 156, 68-78.	0.8	2
162	On Exponential Flocking to the Virtual Leader in Network of Agents With Double-Integrator Dynamics. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2013, 135, .	0.9	2

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163	Control of resistance spot welding using model predictive control. , 2015, , .		2
164	Free-chattering robust finite time tracking for connected double integrator nonlinear systems. , 2016, , .		2
165	Efficient algorithms for online tracking of set points in robust model predictive control. International Journal of Systems Science, 2017, 48, 1635-1645.	3.7	2
166	Asymptotic stability of linear descriptor systems with time-delay by designing delay margin. , 2017, , .		2
167	Fault-tolerant control considering time-varying bounds on faults. Transactions of the Institute of Measurement and Control, 2018, 40, 2982-2990.	1.1	2
168	Identification of EIV models with coloured input–output noise: combining PEM and covariance matching method. International Journal of Systems Science, 2018, 49, 1738-1747.	3.7	2
169	A Cascade Multiple-Model Predictive Controller of Nonlinear Systems by Integrating Stability and Performance. , 2019, , .		2
170	LMI–based cooperative distributed model predictive control for Lipschitz nonlinear systems. Optimal Control Applications and Methods, 2020, 41, 487-498.	1.3	2
171	An integrated best–worst decomposition approach of nonlinear systems using gap metric and stability margin. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 486-502.	0.7	2
172	Enlarging the region of stability in robust model predictive controller based on dual-mode control. Transactions of the Institute of Measurement and Control, 2021, 43, 3085-3092.	1.1	2
173	Phase Plane Characteristics of Marginally Stable Fractional Order Systems. , 2011, , 293-301.		2
174	Predictive directional compensator for systems with input constraints. ISA Transactions, 2006, 45, 393-405.	3.1	1
175	Complete and lag synchronization of hyperchaos using nonlinear controller. , 2006, , .		1
176	Neural network approximation of model predictive controller for congestion control of TCP/AQM networks. , 2007, , .		1
177	Direct-DMC for AQM computational complexity reduction in TCP/IP networks. , 2007, , .		1
178	Experimental study and synchronization of chen systems via single state unidirectional coupling. , 2007, , .		1
179	FRACTIONAL CALCULUS BASED STABILIZATION TECHNIQUE APPLIED TO SUPPRESS CHAOS IN CHAOTIC CIRCUITS. International Journal of Modern Physics B, 2010, 24, 4861-4879.	1.0	1
180	Control of gas metal arc welding by an extended DMC. , 2012, , .		1

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181	On properties of a particular class of directed graphs used in stability analysis of flocking algorithms. , 2012, , .		1
182	Decomposition of the time delay systems with one delay: The simultaneous similarity of two matrices. , 2013, , .		1
183	Adaptive leader-following consensus in multi-agent systems with second-order nonlinear dynamics and directed switching topologies. , 2013, , .		1
184	The Effect of Fractional Order on Oscillatory Behavior of Scalar Fractional Delay Systems of Neutral Type. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 480-485.	0.4	1
185	Robust stability and stabilization of LTI fractional order systems with polytopic and interval uncertainties. , 2017, , .		1
186	A sampled-data algorithm for flocking of multi-agent systems. , 2017, , .		1
187	Nested saturation control based on the extended state observer: Twin rotor MIMO system. , 2017, , .		1
188	Multi-leak Localization in Liquid Pipelines. , 2019, , .		1
189	A Real-Time Bargaining-Based Algorithm for Energy Trading Market in Smart Grid. , 2019, , .		1
190	Adaptive passive sensor selection for maneuvering target localization and tracking using a multisensor surveillance system. Cogent Engineering, 2020, 7, 1798580.	1.1	1
191	Novel command to line of sight guidance with practical limitations. Asian Journal of Control, 2022, 24, 1426-1436.	1.9	1
192	Time-varying formation tracking for noisy multi-agent systems with unknown leader trajectory. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2022, 236, 1386-1399.	0.7	1
193	Adaptive Synchronization of Chaotic Systems with Uncertain Parameters. , 2006, , .		0
194	The contrastive study of identical and generalized synchronization. , 2007, , .		0
195	Generalized synchronization of non-identical chaotic systems with minimum control effort. , 2008, , .		0
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