

YangQuan Chen

List of Publications by Year in descending order

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980
papers

33,883
citations

6606

79
h-index

7152

153
g-index

1058
all docs

1058
docs citations

1058
times ranked

12516
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractional-order Systems and Controls. Advances in Industrial Control, 2010, , .	0.4	1,547
2	Mittag-Leffler stability of fractional order nonlinear dynamic systems. Automatica, 2009, 45, 1965-1969.	3.0	1,330
3	Stability of fractional-order nonlinear dynamic systems: Lyapunov direct method and generalized Mittag-Leffler stability. Computers and Mathematics With Applications, 2010, 59, 1810-1821.	1.4	1,277
4	Iterative Learning Control: Brief Survey and Categorization. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2007, 37, 1099-1121.	3.3	1,268
5	A new collection of real world applications of fractional calculus in science and engineering. Communications in Nonlinear Science and Numerical Simulation, 2018, 64, 213-231.	1.7	1,042
6	Tuning and auto-tuning of fractional order controllers for industry applications. Control Engineering Practice, 2008, 16, 798-812.	3.2	832
7	Fractional order control - A tutorial. , 2009, , .		612
8	Variable-order fractional differential operators in anomalous diffusion modeling. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4586-4592.	1.2	459
9	Discretization schemes for fractional-order differentiators and integrators. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 363-367.	0.1	457
10	Robust Stability and Stabilization of Fractional-Order Interval Systems with the Fractional Order α : The $\alpha=1$ Case. IEEE Transactions on Automatic Control, 2010, 55, 152-158.	3.6	370
11	Matrix approach to discrete fractional calculus II: Partial fractional differential equations. Journal of Computational Physics, 2009, 228, 3137-3153.	1.9	368
12	High-Order and Model Reference Consensus Algorithms in Cooperative Control of MultiVehicle Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2007, 129, 678-688.	0.9	358
13	Autopilots for small unmanned aerial vehicles: A survey. International Journal of Control, Automation and Systems, 2010, 8, 36-44.	1.6	348
14	A Fractional Order Proportional and Derivative (FOPD) Motion Controller: Tuning Rule and Experiments. IEEE Transactions on Control Systems Technology, 2010, 18, 516-520.	3.2	344
15	Fractional-order sliding mode based extremum seeking control of a class of nonlinear systems. Automatica, 2014, 50, 3173-3181.	3.0	331
16	A new IIR-type digital fractional order differentiator. Signal Processing, 2003, 83, 2359-2365.	2.1	325
17	Two direct Tustin discretization methods for fractional-order differentiator/integrator. Journal of the Franklin Institute, 2003, 340, 349-362.	1.9	320
18	A comparative study of constant-order and variable-order fractional models in characterizing memory property of systems. European Physical Journal: Special Topics, 2011, 193, 185-192.	1.2	289

#	ARTICLE	IF	CITATIONS
19	Continued Fraction Expansion Approaches to Discretizing Fractional Order Derivatives?an Expository Review. <i>Nonlinear Dynamics</i> , 2004, 38, 155-170.	2.7	287
20	Tuning fractional order proportional integral controllers for fractional order systems. <i>Journal of Process Control</i> , 2010, 20, 823-831.	1.7	284
21	Numerical approximation of nonlinear fractional differential equations with subdiffusion and superdiffusion. <i>Computers and Mathematics With Applications</i> , 2011, 62, 855-875.	1.4	281
22	Fractional order [proportional derivative] controller for a class of fractional order systems. <i>Automatica</i> , 2009, 45, 2446-2450.	3.0	279
23	Control of a novel class of fractional-order chaotic systems via adaptive sliding mode control approach. <i>Applied Mathematical Modelling</i> , 2013, 37, 2469-2483.	2.2	243
24	Distributed Coordination of Networked Fractional-Order Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010, 40, 362-370.	5.5	242
25	On Fractional PI? Controllers: Some Tuning Rules for Robustness to Plant Uncertainties. <i>Nonlinear Dynamics</i> , 2004, 38, 369-381.	2.7	225
26	Necessary and sufficient stability condition of fractional-order interval linear systems. <i>Automatica</i> , 2008, 44, 2985-2988.	3.0	211
27	Title is missing!. <i>Nonlinear Dynamics</i> , 2002, 29, 269-279.	2.7	207
28	Fractional Calculus in Image Processing: A Review. <i>Fractional Calculus and Applied Analysis</i> , 2016, 19, 1222-1249.	1.2	193
29	Adaptive fractional-order switching-type control method design for 3D fractional-order nonlinear systems. <i>Nonlinear Dynamics</i> , 2015, 82, 39-52.	2.7	186
30	On Riemann-Liouville and Caputo Derivatives. <i>Discrete Dynamics in Nature and Society</i> , 2011, 2011, 1-15.	0.5	184
31	Analysis of a high-order iterative learning control algorithm for uncertain nonlinear systems with state delays. <i>Automatica</i> , 1998, 34, 345-353.	3.0	180
32	An iterative learning controller with initial state learning. <i>IEEE Transactions on Automatic Control</i> , 1999, 44, 371-376.	3.6	180
33	Robust stability check of fractional order linear time invariant systems with interval uncertainties. <i>Signal Processing</i> , 2006, 86, 2611-2618.	2.1	180
34	Dynamic analysis of a class of fractional-order neural networks with delay. <i>Neurocomputing</i> , 2013, 111, 190-194.	3.5	178
35	Analytical Stability Bound for a Class of Delayed Fractional-Order Dynamic Systems. <i>Nonlinear Dynamics</i> , 2002, 29, 191-200.	2.7	177
36	Stabilizing and robust fractional order PI controller synthesis for first order plus time delay systems. <i>Automatica</i> , 2012, 48, 2159-2167.	3.0	176

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37	Robust stability test of a class of linear time-invariant interval fractional-order system using Lyapunov inequality. Applied Mathematics and Computation, 2007, 187, 27-34.	1.4	169
38	Chaos in fractional-order discrete neural networks with application to image encryption. Neural Networks, 2020, 125, 174-184.	3.3	169
39	Stability and synchronization of memristor-based fractional-order delayed neural networks. Neural Networks, 2015, 71, 37-44.	3.3	166
40	Formation control: a review and a new consideration. , 2005, , .		164
41	An approximate method for numerically solving fractional order optimal control problems of general form. Computers and Mathematics With Applications, 2010, 59, 1644-1655.	1.4	164
42	Fractional Processes and Fractional-Order Signal Processing. Signals and Communication Technology, 2012, , .	0.4	163
43	Practical Tuning Rule Development for Fractional Order Proportional and Integral Controllers. Journal of Computational and Nonlinear Dynamics, 2008, 3, .	0.7	158
44	A Modified Approximation Method of Fractional Order System. , 2006, , .		151
45	Low-cost Multi-UAV Technologies for Contour Mapping of Nuclear Radiation Field. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 70, 401-410.	2.0	140
46	Fractional-order iterative learning control for fractional-order linear systems. Asian Journal of Control, 2011, 13, 54-63.	1.9	137
47	Admissibility and robust stabilization of continuous linear singular fractional order systems with the fractional order $1 \pm$: The $0 < 1 \pm < 1$ case. ISA Transactions, 2018, 82, 42-50.	3.1	136
48	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2113561119.	3.3	136
49	Relay Feedback Tuning of Robust PID Controllers With Iso-Damping Property. IEEE Transactions on Systems, Man, and Cybernetics, 2005, 35, 23-31.	5.5	132
50	Fractional-order exponential switching technique to enhance sliding mode control. Applied Mathematical Modelling, 2017, 44, 705-726.	2.2	129
51	A review and evaluation of numerical tools for fractional calculus and fractional order controls. International Journal of Control, 2017, 90, 1165-1181.	1.2	123
52	Iterative learning control and repetitive control in hard disk drive industry—a tutorial. International Journal of Adaptive Control and Signal Processing, 2008, 22, 325-343.	2.3	120
53	Adaptive sliding-mode control for fractional-order uncertain linear systems with nonlinear disturbances. Nonlinear Dynamics, 2015, 80, 51-58.	2.7	118
54	Linear fractional order controllers; A survey in the frequency domain. Annual Reviews in Control, 2019, 47, 51-70.	4.4	118

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55	Trajectory tracking in satellite formation flying via robust periodic learning control. International Journal of Robust and Nonlinear Control, 2010, 20, 1655-1666.	2.1	117
56	FINITE DIFFERENCE SCHEMES FOR VARIABLE-ORDER TIME FRACTIONAL DIFFUSION EQUATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250085.	0.7	114
57	Terminal iterative learning control with an application to RTPCVD thickness control. Automatica, 1999, 35, 1535-1542.	3.0	112
58	Stability analysis of discrete-time iterative learning control systems with interval uncertainty. Automatica, 2007, 43, 892-902.	3.0	111
59	Fractional differential models for anomalous diffusion. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2719-2724.	1.2	111
60	Robust controllability of interval fractional order linear time invariant systems. Signal Processing, 2006, 86, 2794-2802.	2.1	109
61	UBIQUITOUS FRACTIONAL ORDER CONTROLS?. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 481-492.	0.4	107
62	Distributed-Order Dynamic Systems. Springer Briefs in Electrical and Computer Engineering, 2012, , .	0.3	107
63	Fractional order sliding mode control via disturbance observer for a class of fractional order systems with mismatched disturbance,. Mechatronics, 2018, 53, 8-19.	2.0	107
64	Monotonically convergent iterative learning control for linear discrete-time systems. Automatica, 2005, 41, 1529-1537.	3.0	105
65	Identification and tuning fractional order proportional integral controllers for time delayed systems with a fractional pole. Mechatronics, 2013, 23, 746-754.	2.0	104
66	High-order algorithms for Riesz derivative and their applications (II). Journal of Computational Physics, 2015, 293, 218-237.	1.9	104
67	New results on stability and stabilization of a class of nonlinear fractional-order systems. Nonlinear Dynamics, 2014, 75, 633-641.	2.7	102
68	A fractional order PID tuning algorithm for a class of fractional order plants. , 0, , .		99
69	Experimental study of fractional order proportional derivative controller synthesis for fractional order systems. Mechatronics, 2011, 21, 204-214.	2.0	99
70	Adaptive pinning synchronization in fractional-order uncertain complex dynamical networks with delay. Physica A: Statistical Mechanics and Its Applications, 2016, 444, 49-62.	1.2	97
71	Application of numerical inverse Laplace transform algorithms in fractional calculus. Journal of the Franklin Institute, 2011, 348, 315-330.	1.9	93
72	A Survey and Categorization of Small Low-Cost Unmanned Aerial Vehicle System Identification. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 74, 129-145.	2.0	93

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73	Multiple UAV Formations for Cooperative Source Seeking and Contour Mapping of a Radiative Signal Field. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2014, 74, 323-332.	2.0	92
74	Comparison principles and stability of nonlinear fractional-order cellular neural networks with multiple time delays. <i>Neurocomputing</i> , 2015, 168, 618-625.	3.5	92
75	Fractional order PID control of a DC-motor with elastic shaft: a case study. , 2006, , .		91
76	Stability and Stabilization of a Class of Nonlinear Fractional-Order Systems With Caputo Derivative. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2012, 59, 602-606.	2.2	91
77	Stability and synchronization of fractional-order memristive neural networks with multiple delays. <i>Neural Networks</i> , 2017, 94, 76-85.	3.3	91
78	Finite-time stability criteria for a class of fractional-order neural networks with delay. <i>Neural Computing and Applications</i> , 2016, 27, 549-556.	3.2	90
79	Fractional order robust control for cogging effect compensation in PMSM position servo systems: Stability analysis and experiments. <i>Control Engineering Practice</i> , 2010, 18, 1022-1036.	3.2	88
80	High precision linear motor control via relay-tuning and iterative learning based on zero-phase filtering. <i>IEEE Transactions on Control Systems Technology</i> , 2001, 9, 244-253.	3.2	87
81	Autopilots for Small Fixed-Wing Unmanned Air Vehicles: A Survey. , 2007, , .		87
82	Iterative Learning Control: A Tutorial and Big Picture View. , 2006, , .		84
83	A comparative introduction of four fractional order controllers. , 0, , .		82
84	Roll-channel fractional order controller design for a small fixed-wing unmanned aerial vehicle. <i>Control Engineering Practice</i> , 2010, 18, 761-772.	3.2	82
85	High-order approximation to Caputo derivatives and Caputo-type advection-diffusion equations (II). <i>Fractional Calculus and Applied Analysis</i> , 2015, 18, 735-761.	1.2	82
86	On mean square displacement behaviors of anomalous diffusions with variable and random orders. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 906-910.	0.9	81
87	Synthesis of multifractional Gaussian noises based on variable-order fractional operators. <i>Signal Processing</i> , 2011, 91, 1645-1650.	2.1	81
88	Backstepping dynamic surface control for a class of nonlinear systems with time-varying output constraints. <i>IET Control Theory and Applications</i> , 2015, 9, 2312-2319.	1.2	81
89	State-periodic adaptive compensation of cogging and Coulomb friction in permanent-magnet linear motors. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 90-98.	1.2	78
90	Experimental Validation of Consensus Algorithms for Multivehicle Cooperative Control. <i>IEEE Transactions on Control Systems Technology</i> , 2008, 16, 745-752.	3.2	78

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91	Digital Fractional Order Savitzky-Golay Differentiator. IEEE Transactions on Circuits and Systems II: Express Briefs, 2011, 58, 758-762.	2.2	78
92	Lateral directional fractional order (PI) [±] control of a small fixed-wing unmanned aerial vehicles: controller designs and flight tests. IET Control Theory and Applications, 2011, 5, 2156-2167.	1.2	78
93	Robust stability and stabilization of fractional-order linear systems with polytopic uncertainties. Applied Mathematics and Computation, 2015, 257, 274-284.	1.4	77
94	Vehicle Platooning: A Brief Survey and Categorization. , 2011, , .		74
95	A Physical experimental study of variable-order fractional integrator and differentiator. European Physical Journal: Special Topics, 2011, 193, 93-104.	1.2	73
96	Random-order fractional differential equation models. Signal Processing, 2011, 91, 525-530.	2.1	72
97	Delay-dependent criterion for asymptotic stability of a class of fractional-order memristive neural networks with time-varying delays. Neural Networks, 2019, 118, 289-299.	3.3	72
98	On the existence of blow up solutions for a class of fractional differential equations. Fractional Calculus and Applied Analysis, 2014, 17, 1175-1187.	1.2	71
99	A robust high-order P-type iterative learning controller using current iteration tracking error. International Journal of Control, 1997, 68, 331-342.	1.2	70
100	Fractional Order Disturbance Observer for Robust Vibration Suppression. Nonlinear Dynamics, 2004, 38, 355-367.	2.7	70
101	Band-reconfigurable Multi-UAV-based Cooperative Remote Sensing for Real-time Water Management and Distributed Irrigation Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 11744-11749.	0.4	70
102	Fractional order constitutive model of geomaterials under the condition of triaxial test. International Journal for Numerical and Analytical Methods in Geomechanics, 2013, 37, 961-972.	1.7	69
103	Forecast analysis of the epidemics trend of COVID-19 in the USA by a generalized fractional-order SEIR model. Nonlinear Dynamics, 2020, 101, 1621-1634.	2.7	69
104	Synchronization of a Class of Fractional-Order Chaotic Neural Networks. Entropy, 2013, 15, 3265-3276.	1.1	67
105	Fractional-order total variation image denoising based on proximity algorithm. Applied Mathematics and Computation, 2015, 257, 537-545.	1.4	67
106	High-Order Consensus Algorithms in Cooperative Vehicle Systems. , 0, , .		65
107	FaultFace: Deep Convolutional Generative Adversarial Network (DCGAN) based Ball-Bearing failure detection method. Information Sciences, 2021, 542, 195-211.	4.0	65
108	Fractional-order adaptive minimum energy cognitive lighting control strategy for the hybrid lighting system. Energy and Buildings, 2015, 87, 176-184.	3.1	64

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109	Frequency domain modelling and control of fractional-order system for permanent magnet synchronous motor velocity servo system. IET Control Theory and Applications, 2016, 10, 136-143.	1.2	64
110	Fractional-order modeling of permanent magnet synchronous motor speed servo system. JVC/Journal of Vibration and Control, 2016, 22, 2255-2280.	1.5	64
111	Convergence speed of a fractional order consensus algorithm over undirected scale-free networks. Asian Journal of Control, 2011, 13, 936-946.	1.9	63
112	A Survey on Fractional-Order Iterative Learning Control. Journal of Optimization Theory and Applications, 2013, 156, 127-140.	0.8	63
113	A Review of Industrial MIMO Decoupling Control. International Journal of Control, Automation and Systems, 2019, 17, 1246-1254.	1.6	63
114	A Fractional Adaptation Scheme for Lateral Control of an AGV. JVC/Journal of Vibration and Control, 2008, 14, 1499-1511.	1.5	62
115	Time-constant robust analysis of a fractional order [proportional derivative] controller. IET Control Theory and Applications, 2011, 5, 164.	1.2	60
116	On the bound of the Lyapunov exponents for the fractional differential systems. Chaos, 2010, 20, 013127.	1.0	59
117	Genetic Algorithm-Based Identification of Fractional-Order Systems. Entropy, 2013, 15, 1624-1642.	1.1	57
118	Indirect Iterative Learning Control for a Discrete Visual Servo Without a Camera-Robot Model. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 863-876.	5.5	56
119	Chaos in the fractionally damped broadband piezoelectric energy generator. Nonlinear Dynamics, 2015, 80, 1705-1719.	2.7	56
120	Stability and stabilization of fractional-order linear systems with convex polytopic uncertainties. Fractional Calculus and Applied Analysis, 2013, 16, 142-157.	1.2	55
121	Asymptotical stability of fractional order systems with time delay via an integral inequality. IET Control Theory and Applications, 2018, 12, 1748-1754.	1.2	54
122	On transitioning from PID to ADRC in thermal power plants. Control Theory and Technology, 2021, 19, 3-18.	1.0	54
123	Harnessing the nonrepetitiveness in iterative learning control. , 0, , .		53
124	Discrete-time Intermittent Iterative Learning Controller with Independent Data Dropouts. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 12442-12447.	0.4	53
125	Intermittent Iterative Learning Control. , 2006, , .		53
126	Optimal Observation for Cyber-physical Systems. , 2009, , .		51

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127	Fractional order PI $\hat{D}^{1/4}$ controller design for satisfying time and frequency domain specifications simultaneously. ISA Transactions, 2017, 68, 212-222.	3.1	51
128	Fractional-Order Proportional Derivative Controller Synthesis and Implementation for Hard-Disk-Drive Servo System. IEEE Transactions on Control Systems Technology, 2014, 22, 281-289.	3.2	50
129	Matrix approach to discrete fractional calculus III: non-equidistant grids, variable step length and distributed orders. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120153.	1.6	49
130	A fractional-order SEIHDR model for COVID-19 with inter-city networked coupling effects. Nonlinear Dynamics, 2020, 101, 1717-1730.	2.7	49
131	Fuzzy neural network-based chaos synchronization for a class of fractional-order chaotic systems: an adaptive sliding mode control approach. Nonlinear Dynamics, 2020, 100, 1275-1287.	2.7	49
132	Adaptive minimum energy cognitive lighting control: Integer order vs fractional order strategies in sliding mode based extremum seeking. Mechatronics, 2013, 23, 863-872.	2.0	48
133	Stability analysis of nonlinear Hadamard fractional differential system. Journal of the Franklin Institute, 2019, 356, 6538-6546.	1.9	48
134	Remaining Useful Life Prediction and State of Health Diagnosis of Lithium-Ion Battery Based on Second-Order Central Difference Particle Filter. IEEE Access, 2020, 8, 37305-37313.	2.6	48
135	Iteration domain H^{∞} -optimal iterative learning controller design. International Journal of Robust and Nonlinear Control, 2008, 18, 1001-1017.	2.1	47
136	Boundary feedback stabilisation for the time fractional-order anomalous diffusion system. IET Control Theory and Applications, 2016, 10, 1250-1257.	1.2	46
137	Comparing U-Net convolutional networks with fully convolutional networks in the performances of pomegranate tree canopy segmentation. , 2018, , .		46
138	On distributed order integrator/differentiator. Signal Processing, 2011, 91, 1079-1084.	2.1	45
139	Gain scheduling design based on active disturbance rejection control for thermal power plant under full operating conditions. Energy, 2019, 185, 744-762.	4.5	43
140	ADS-B for small Unmanned Aerial Systems: Case study and regulatory practices. , 2013, , .		42
141	Low-cost UAV-based thermal infrared remote sensing: Platform, calibration and applications. , 2010, , .		41
142	A comparative evaluation of low-cost IMUs for unmanned autonomous systems. , 2010, , .		41
143	Design, implementation and application of distributed order PI control. ISA Transactions, 2013, 52, 429-437.	3.1	41
144	Analytical stability bound for delayed second-order systems with repeating poles using Lambert function W . Automatica, 2002, 38, 891-895.	3.0	40

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145	A Practical Iterative Learning Path-Following Control Of An Omni-Directional Vehicle. Asian Journal of Control, 2002, 4, 90-98.	1.9	40
146	Global Pad $\hat{\circ}$ Approximations of the Generalized Mittag-Leffler Function and its Inverse. Fractional Calculus and Applied Analysis, 2015, 18, 1492-1506.	1.2	40
147	Design and implementation of grid multi-scroll fractional-order chaotic attractors. Chaos, 2016, 26, 084303.	1.0	40
148	Evapotranspiration Estimation with Small UAVs in Precision Agriculture. Sensors, 2020, 20, 6427.	2.1	40
149	New integral inequalities and asymptotic stability of fractional-order systems with unbounded time delay. Nonlinear Dynamics, 2018, 94, 1523-1534.	2.7	39
150	Delay-Dependent and Order-Dependent Stability and Stabilization of Fractional-Order Linear Systems With Time-Varying Delay. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1064-1068.	2.2	39
151	An optimal design of PD-type iterative learning control with monotonic convergence. , 0, , .		38
152	General robustness analysis and robust fractional-order PD controller design for fractional-order plants. IET Control Theory and Applications, 2018, 12, 1730-1736.	1.2	38
153	Unmanned aerial systems for agriculture and natural resources. California Agriculture, 2017, 71, 5-14.	0.5	38
154	Fractional Calculus and Biomimetic Control. , 0, , .		37
155	Optimal Mobile Sensing and Actuation Policies in Cyber-physical Systems. , 2012, , .		37
156	Cyber-physical systems as general distributed parameter systems: three types of fractional order models and emerging research opportunities. IEEE/CAA Journal of Automatica Sinica, 2015, 2, 353-357.	8.5	37
157	Regional Analysis of Time-Fractional Diffusion Processes. , 2018, , .		37
158	Industrial feedforward control technology: a review. Journal of Intelligent Manufacturing, 2019, 30, 2819-2833.	4.4	37
159	Monotonic Convergent Iterative Learning Controller Design Based on Interval Model Conversion. IEEE Transactions on Automatic Control, 2006, 51, 366-371.	3.6	36
160	Cogging effect minimization in PMSM position servo system using dual high-order periodic adaptive learning compensation. ISA Transactions, 2010, 49, 479-488.	3.1	36
161	Fractional envelope analysis for rolling element bearing weak fault feature extraction. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 353-360.	8.5	36
162	An Evaluation of ARFIMA (Autoregressive Fractional Integral Moving Average) Programs. Axioms, 2017, 6, 16.	0.9	36

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163	Diffusion boundary determination and zone control via mobile actuator-sensor networks (MAS-net): challenges and opportunities. , 2004, , .		35
164	Distributed coordination algorithms for multiple fractional-order systems. , 2008, , .		35
165	Fractional order and BICO disturbance observers for a run-of-mine ore milling circuit. Journal of Process Control, 2012, 22, 3-10.	1.7	35
166	D-Stability Based LMI Criteria of Stability and Stabilization for Fractional Order Systems. , 2015, , .		35
167	Regular and chaotic vibration in a piezoelectric energy harvester with fractional damping. European Physical Journal Plus, 2015, 130, 1.	1.2	35
168	A detailed field study of direct correlations between ground truth crop water stress and normalized difference vegetation index (NDVI) from small unmanned aerial system (sUAS). , 2015, , .		35
169	Fractional order equivalent series resistance modelling of electrolytic capacitor and fractional order failure prediction with application to predictive maintenance. IET Power Electronics, 2016, 9, 1608-1613.	1.5	35
170	Regional controllability analysis of fractional diffusion equations with Riemannâ€“Liouville time fractional derivatives. Automatica, 2017, 76, 193-199.	3.0	35
171	Challenges in Water Stress Quantification Using Small Unmanned Aerial System (sUAS): Lessons from a Growing Season of Almond. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 88, 721-735.	2.0	35
172	Patterns induced by super cross-diffusion in a predator-prey system with Michaelisâ€“Menten type harvesting. Mathematical Biosciences, 2018, 298, 71-79.	0.9	35
173	Global Practical Mittag Leffler Stabilization by Output Feedback for a Class Of Nonlinear Fractionalâ€“Order Systems. Asian Journal of Control, 2018, 20, 599-607.	1.9	35
174	Integrated Intelligence of Fractional Neural Networks and Sequential Quadratic Programming for Bagleyâ€“Torvik Systems Arising in Fluid Mechanics. Journal of Computational and Nonlinear Dynamics, 2020, 15, .	0.7	35
175	Diffusion-based path planning in mobile actuator-sensor networks (MAS-net): some preliminary results. , 2004, , .		34
176	Spatial-based iterative learning control for motion control applications. Meccanica, 2007, 42, 167-175.	1.2	34
177	Fractional order proportional integral (FOPI) and [proportional integral] (FO[PI]) controller designs for first order plus time delay (FOPTD) systems. , 2009, , .		34
178	An improved Hurst parameter estimator based onâ€“fractionalâ€“Fourier transform. Telecommunication Systems, 2010, 43, 197-206.	1.6	34
179	FARIMA with stable innovations model of Great Salt Lake elevation time series. Signal Processing, 2011, 91, 553-561.	2.1	34
180	Numerics for the fractional Langevin equation driven by the fractional Brownian motion. Fractional Calculus and Applied Analysis, 2013, 16, 123-141.	1.2	34

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181	Fractional-order variational optical flow model for motion estimation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120148.	1.6	34
182	High-order iterative learning identification of projectile's aerodynamic drag coefficient curve from radar measured velocity data. IEEE Transactions on Control Systems Technology, 1998, 6, 563-570.	3.2	33
183	Learning Feedforward Control Using a Dilated B-Spline Network: Frequency Domain Analysis and Design. IEEE Transactions on Neural Networks, 2004, 15, 355-366.	4.8	33
184	D-optimal trajectory design of heterogeneous mobile sensors for parameter estimation of distributed systems. , 2008, , .		33
185	Fractional-order integral and derivative controller for temperature profile tracking. Sadhana - Academy Proceedings in Engineering Sciences, 2009, 34, 833-850.	0.8	33
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