

YangQuan Chen

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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.

867
papers

22,898
citations

69
h-index

132
g-index

1,057
ext. papers

28,712
ext. citations

3
avg, IF

7.61
L-index

#	Paper	IF	Citations
867	Fractional-order Systems and Controls. <i>Advances in Industrial Control</i> , 2010 ,	0.3	1075
866	Mittag-Leffler stability of fractional order nonlinear dynamic systems. <i>Automatica</i> , 2009 , 45, 1965-1969	5.7	978
865	Stability of fractional-order nonlinear dynamic systems: Lyapunov direct method and generalized Mittag-Leffler stability. <i>Computers and Mathematics With Applications</i> , 2010 , 59, 1810-1821	2.7	921
864	Iterative Learning Control: Brief Survey and Categorization. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2007 , 37, 1099-1121		872
863	Tuning and auto-tuning of fractional order controllers for industry applications. <i>Control Engineering Practice</i> , 2008 , 16, 798-812	3.9	664
862	A new collection of real world applications of fractional calculus in science and engineering. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018 , 64, 213-231	3.7	596
861	Fractional order control - A tutorial 2009 ,		401
860	Variable-order fractional differential operators in anomalous diffusion modeling. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009 , 388, 4586-4592	3.3	356
859	Discretization schemes for fractional-order differentiators and integrators. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2002 , 49, 363-367		348
858	Matrix approach to discrete fractional calculus II: Partial fractional differential equations. <i>Journal of Computational Physics</i> , 2009 , 228, 3137-3153	4.1	289
857	High-Order and Model Reference Consensus Algorithms in Cooperative Control of MultiVehicle Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2007 , 129, 678-688	1.6	276
856	Robust Stability and Stabilization of Fractional-Order Interval Systems with the Fractional Order α : The $0 < \alpha < 1$ Case. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 152-158	5.9	274
855	Fractional-order sliding mode based extremum seeking control of a class of nonlinear systems. <i>Automatica</i> , 2014 , 50, 3173-3181	5.7	265
854	Two direct Tustin discretization methods for fractional-order differentiator/integrator. <i>Journal of the Franklin Institute</i> , 2003 , 340, 349-362	4	264
853	Autopilots for small unmanned aerial vehicles: A survey. <i>International Journal of Control, Automation and Systems</i> , 2010 , 8, 36-44	2.9	259
852	A Fractional Order Proportional and Derivative (FOPD) Motion Controller: Tuning Rule and Experiments. <i>IEEE Transactions on Control Systems Technology</i> , 2010 , 18, 516-520	4.8	258
851	Numerical approximation of nonlinear fractional differential equations with subdiffusion and superdiffusion. <i>Computers and Mathematics With Applications</i> , 2011 , 62, 855-875	2.7	247

850	Continued Fraction Expansion Approaches to Discretizing Fractional Order Derivatives Expository Review. <i>Nonlinear Dynamics</i> , 2004 , 38, 155-170	5	243
849	A new IIR-type digital fractional order differentiator. <i>Signal Processing</i> , 2003 , 83, 2359-2365	4.4	233
848	A comparative study of constant-order and variable-order fractional models in characterizing memory property of systems. <i>European Physical Journal: Special Topics</i> , 2011 , 193, 185-192	2.3	214
847	Tuning fractional order proportional integral controllers for fractional order systems. <i>Journal of Process Control</i> , 2010 , 20, 823-831	3.9	214
846	Fractional order [proportional derivative] controller for a class of fractional order systems. <i>Automatica</i> , 2009 , 45, 2446-2450	5.7	212
845	Distributed coordination of networked fractional-order systems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 362-70		190
844	On Fractional PI Controllers: Some Tuning Rules for Robustness to Plant Uncertainties. <i>Nonlinear Dynamics</i> , 2004 , 38, 369-381	5	184
843	Necessary and sufficient stability condition of fractional-order interval linear systems. <i>Automatica</i> , 2008 , 44, 2985-2988	5.7	176
842	Robust stability check of fractional order linear time invariant systems with interval uncertainties. <i>Signal Processing</i> , 2006 , 86, 2611-2618	4.4	162
841	Using Fractional Order Adjustment Rules and Fractional Order Reference Models in Model-Reference Adaptive Control. <i>Nonlinear Dynamics</i> , 2002 , 29, 269-279	5	158
840	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	4.5	156
839	Adaptive fractional-order switching-type control method design for 3D fractional-order nonlinear systems. <i>Nonlinear Dynamics</i> , 2015 , 82, 39-52	5	143
838	Dynamic analysis of a class of fractional-order neural networks with delay. <i>Neurocomputing</i> , 2013 , 111, 190-194	5.4	141
837	Linear Feedback Control 2007 ,		141
836	An approximate method for numerically solving fractional order optimal control problems of general form. <i>Computers and Mathematics With Applications</i> , 2010 , 59, 1644-1655	2.7	140
835	Robust stability test of a class of linear time-invariant interval fractional-order system using Lyapunov inequality. <i>Applied Mathematics and Computation</i> , 2007 , 187, 27-34	2.7	140
834	Analytical Stability Bound for a Class of Delayed Fractional-Order Dynamic Systems. <i>Nonlinear Dynamics</i> , 2002 , 29, 191-200	5	139
833	Analysis of a high-order iterative learning control algorithm for uncertain nonlinear systems with state delays. <i>Automatica</i> , 1998 , 34, 345-353	5.7	135

832	An iterative learning controller with initial state learning. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 371-376	5.9	134
831	Stability and synchronization of memristor-based fractional-order delayed neural networks. <i>Neural Networks</i> , 2015 , 71, 37-44	9.1	130
830	Stabilizing and robust fractional order PI controller synthesis for first order plus time delay systems. <i>Automatica</i> , 2012 , 48, 2159-2167	5.7	127
829	Fractional Processes and Fractional-Order Signal Processing. <i>Signals and Communication Technology</i> , 2012 ,	0.5	110
828	On Riemann-Liouville and Caputo Derivatives. <i>Discrete Dynamics in Nature and Society</i> , 2011 , 2011, 1-15	1.1	107
827	Practical Tuning Rule Development for Fractional Order Proportional and Integral Controllers. <i>Journal of Computational and Nonlinear Dynamics</i> , 2008 , 3,	1.4	107
826	Fractional calculus in image processing: a review. <i>Fractional Calculus and Applied Analysis</i> , 2016 , 19, 1222-1249	1.7	105
825	Low-cost Multi-UAV Technologies for Contour Mapping of Nuclear Radiation Field. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2013 , 70, 401-410	2.9	101
824	Fractional-order iterative learning control for fractional-order linear systems. <i>Asian Journal of Control</i> , 2011 , 13, 54-63	1.7	101
823	Fractional-order exponential switching technique to enhance sliding mode control. <i>Applied Mathematical Modelling</i> , 2017 , 44, 705-726	4.5	100
822	Iterative learning control and repetitive control in hard disk drive industry: A tutorial. <i>International Journal of Adaptive Control and Signal Processing</i> , 2008 , 22, 325-343	2.8	96
821	Fractional differential models for anomalous diffusion. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010 , 389, 2719-2724	3.3	95
820	Relay feedback tuning of robust PID controllers with iso-damping property. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2005 , 35, 23-31		94
819	Admissibility and robust stabilization of continuous linear singular fractional order systems with the fractional order $\alpha \in [0, 1)$. <i>ISA Transactions</i> , 2018 , 82, 42-50	5.5	93
818	A Modified Approximation Method of Fractional Order System 2006 ,		90
817	Terminal iterative learning control with an application to RTPCVD thickness control. <i>Automatica</i> , 1999 , 35, 1535-1542	5.7	88
816	FINITE DIFFERENCE SCHEMES FOR VARIABLE-ORDER TIME FRACTIONAL DIFFUSION EQUATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250085	2	87
815	New results on stability and stabilization of a class of nonlinear fractional-order systems. <i>Nonlinear Dynamics</i> , 2014 , 75, 633-641	5	86

814	Stability analysis of discrete-time iterative learning control systems with interval uncertainty. <i>Automatica</i> , 2007 , 43, 892-902	5.7	85
813	Chaos in fractional-order discrete neural networks with application to image encryption. <i>Neural Networks</i> , 2020 , 125, 174-184	9.1	82
812	Trajectory-keeping in satellite formation flying via robust periodic learning control. <i>International Journal of Robust and Nonlinear Control</i> , 2010 , 20, 1655-1666	3.6	82
811	Robust controllability of interval fractional order linear time invariant systems. <i>Signal Processing</i> , 2006 , 86, 2794-2802	4.4	81
810	High-order algorithms for Riesz derivative and their applications (II). <i>Journal of Computational Physics</i> , 2015 , 293, 218-237	4.1	80
809	Monotonically convergent iterative learning control for linear discrete-time systems. <i>Automatica</i> , 2005 , 41, 1529-1537	5.7	80
808	Adaptive pinning synchronization in fractional-order uncertain complex dynamical networks with delay. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 444, 49-62	3.3	78
807	Adaptive sliding-mode control for fractional-order uncertain linear systems with nonlinear disturbances. <i>Nonlinear Dynamics</i> , 2015 , 80, 51-58	5	76
806	Identification and tuning fractional order proportional integral controllers for time delayed systems with a fractional pole. <i>Mechatronics</i> , 2013 , 23, 746-754	3	76
805	Experimental study of fractional order proportional derivative controller synthesis for fractional order systems. <i>Mechatronics</i> , 2011 , 21, 204-214	3	76
804	Application of numerical inverse Laplace transform algorithms in fractional calculus. <i>Journal of the Franklin Institute</i> , 2011 , 348, 315-330	4	74
803	A review and evaluation of numerical tools for fractional calculus and fractional order controls. <i>International Journal of Control</i> , 2017 , 90, 1165-1181	1.5	73
802	Distributed-Order Dynamic Systems. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2012 ,	0.4	73
801	Iterative Learning Control. <i>Communications and Control Engineering</i> , 2007 ,	0.6	71
800	. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2012 , 59, 602-606	3.5	70
799	Synthesis of multifractional Gaussian noises based on variable-order fractional operators. <i>Signal Processing</i> , 2011 , 91, 1645-1650	4.4	69
798	Stability and synchronization of fractional-order memristive neural networks with multiple delays. <i>Neural Networks</i> , 2017 , 94, 76-85	9.1	68
797	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	3.9	68

796	Formation control: a review and a new consideration 2005 ,		67
795	Finite-time stability criteria for a class of fractional-order neural networks with delay. <i>Neural Computing and Applications</i> , 2016 , 27, 549-556	4.8	66
794	A Survey and Categorization of Small Low-Cost Unmanned Aerial Vehicle System Identification. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2014 , 74, 129-145	2.9	65
793	Comparison principles and stability of nonlinear fractional-order cellular neural networks with multiple time delays. <i>Neurocomputing</i> , 2015 , 168, 618-625	5.4	65
792	Lateral directional fractional order (PI) λ control of a small fixed-wing unmanned aerial vehicles: controller designs and flight tests. <i>IET Control Theory and Applications</i> , 2011 , 5, 2156-2167	2.5	63
791	Digital Fractional Order Savitzky-Golay Differentiator. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2011 , 58, 758-762	3.5	63
790	Synchronization of a Class of Fractional-Order Chaotic Neural Networks. <i>Entropy</i> , 2013 , 15, 3265-3276	2.8	62
789	Robust stability and stabilization of fractional-order linear systems with polytopic uncertainties. <i>Applied Mathematics and Computation</i> , 2015 , 257, 274-284	2.7	62
788	Fractional order sliding mode control via disturbance observer for a class of fractional order systems with mismatched disturbance,. <i>Mechatronics</i> , 2018 , 53, 8-19	3	62
787	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	2.3	61
786	On the existence of blow up solutions for a class of fractional differential equations. <i>Fractional Calculus and Applied Analysis</i> , 2014 , 17, 1175-1187	2.7	60
785	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	2.9	60
784	Roll-channel fractional order controller design for a small fixed-wing unmanned aerial vehicle. <i>Control Engineering Practice</i> , 2010 , 18, 761-772	3.9	60
783	Experimental Validation of Consensus Algorithms for Multivehicle Cooperative Control. <i>IEEE Transactions on Control Systems Technology</i> , 2008 , 16, 745-752	4.8	58
782	Backstepping dynamic surface control for a class of non-linear systems with time-varying output constraints. <i>IET Control Theory and Applications</i> , 2015 , 9, 2312-2319	2.5	57
781	High-order approximation to Caputo derivatives and Caputo-type advection-diffusion equations (II). <i>Fractional Calculus and Applied Analysis</i> , 2015 , 18, 735-761	2.7	57
780	Iterative Learning Control: A Tutorial and Big Picture View 2006 ,		57
779	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	4.8	57

778	Fractional-order adaptive minimum energy cognitive lighting control strategy for the hybrid lighting system. <i>Energy and Buildings</i> , 2015 , 87, 176-184	7	56
777	Random-order fractional differential equation models. <i>Signal Processing</i> , 2011 , 91, 525-530	4.4	56
776	A robust high-order P-type iterative learning controller using current iteration tracking error. <i>International Journal of Control</i> , 1997 , 68, 331-342	1.5	55
775	. <i>IEEE Transactions on Magnetics</i> , 2005 , 41, 90-98	2	55
774	UBIQUITOUS FRACTIONAL ORDER CONTROLS?. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 481-492		54
773	Linear fractional order controllers; A survey in the frequency domain. <i>Annual Reviews in Control</i> , 2019 , 47, 51-70	10.3	53
772	Fractional order constitutive model of geomaterials under the condition of triaxial test. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2013 , 37, 961-972	4	53
771	Fractional Order Disturbance Observer for Robust Vibration Suppression. <i>Nonlinear Dynamics</i> , 2004 , 38, 355-367	5	52
770	Time-constant robust analysis of a fractional order [proportional derivative] controller. <i>IET Control Theory and Applications</i> , 2011 , 5, 164	2.5	51
769	A Fractional Adaptation Scheme for Lateral Control of an AGV. <i>JVC/Journal of Vibration and Control</i> , 2008 , 14, 1499-1511	2	51
768	Autopilots for Small Fixed-Wing Unmanned Air Vehicles: A Survey 2007 ,		51
767	A Physical experimental study of variable-order fractional integrator and differentiator. <i>European Physical Journal: Special Topics</i> , 2011 , 193, 93-104	2.3	50
766	On the bound of the Lyapunov exponents for the fractional differential systems. <i>Chaos</i> , 2010 , 20, 013123,	3.3	50
765	2012 ,		50
764	Convergence speed of a fractional order consensus algorithm over undirected scale-free networks. <i>Asian Journal of Control</i> , 2011 , 13, 936-946	1.7	48
763	Vehicle Platooning: A Brief Survey and Categorization 2011 ,		48
762	Fractional-order total variation image denoising based on proximity algorithm. <i>Applied Mathematics and Computation</i> , 2015 , 257, 537-545	2.7	47
761	Indirect iterative learning control for a discrete visual servo without a camera-robot model. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007 , 37, 863-76		46

760	Genetic Algorithm-Based Identification of Fractional-Order Systems. <i>Entropy</i> , 2013 , 15, 1624-1642	2.8	45
759	Fractional-order modeling of permanent magnet synchronous motor speed servo system. <i>JVC/Journal of Vibration and Control</i> , 2016 , 22, 2255-2280	2	42
758	Chaos in the fractionally damped broadband piezoelectric energy generator. <i>Nonlinear Dynamics</i> , 2015 , 80, 1705-1719	5	42
757	Band-reconfigurable Multi-UAV-based Cooperative Remote Sensing for Real-time Water Management and Distributed Irrigation Control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 11744-11749		42
756	Stability and stabilization of fractional-order linear systems with convex polytopic uncertainties. <i>Fractional Calculus and Applied Analysis</i> , 2013 , 16,	2.7	41
755	Matrix approach to discrete fractional calculus III: non-equidistant grids, variable step length and distributed orders. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20120153	3	41
754	A fractional order PID tuning algorithm for a class of fractional order plants		41
753	Adaptive minimum energy cognitive lighting control: Integer order vs fractional order strategies in sliding mode based extremum seeking. <i>Mechatronics</i> , 2013 , 23, 863-872	3	39
752	Optimal Observation for Cyber-physical Systems 2009 ,		39
751	Iteration domain H _∞ optimal iterative learning controller design. <i>International Journal of Robust and Nonlinear Control</i> , 2008 , 18, 1001-1017	3.6	38
750	Asymptotical stability of fractional order systems with time delay via an integral inequality. <i>IET Control Theory and Applications</i> , 2018 , 12, 1748-1754	2.5	37
749	Delay-dependent criterion for asymptotic stability of a class of fractional-order memristive neural networks with time-varying delays. <i>Neural Networks</i> , 2019 , 118, 289-299	9.1	37
748	A Survey on Fractional-Order Iterative Learning Control. <i>Journal of Optimization Theory and Applications</i> , 2013 , 156, 127-140	1.6	37
747	Harnessing the nonrepetitiveness in iterative learning control		37
746	Intermittent Iterative Learning Control 2006 ,		37
745	Frequency domain modelling and control of fractional-order system for permanent magnet synchronous motor velocity servo system. <i>IET Control Theory and Applications</i> , 2016 , 10, 136-143	2.5	36
744	Fractional-Order Proportional Derivative Controller Synthesis and Implementation for Hard-Disk-Drive Servo System. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 281-289	4.8	34
743	Design, implementation and application of distributed order PI control. <i>ISA Transactions</i> , 2013 , 52, 429-335		34

742	Monotonic convergent iterative learning controller design based on interval model conversion. <i>IEEE Transactions on Automatic Control</i> , 2006 , 51, 366-371	5.9	33
741	Discrete-time Intermittent Iterative Learning Controller with Independent Data Dropouts. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 12442-12447		32
740	High-Order Consensus Algorithms in Cooperative Vehicle Systems		32
739	Fractional order PID controller design for satisfying time and frequency domain specifications simultaneously. <i>ISA Transactions</i> , 2017 , 68, 212-222	5.5	31
738	ADS-B for small Unmanned Aerial Systems: Case study and regulatory practices 2013 ,		31
737	Global Pad Approximations of the Generalized Mittag-Leffler Function and its Inverse. <i>Fractional Calculus and Applied Analysis</i> , 2015 , 18, 1492-1506	2.7	31
736	Stability analysis of nonlinear Hadamard fractional differential system. <i>Journal of the Franklin Institute</i> , 2019 , 356, 6538-6546	4	30
735	Fractional order and BICO disturbance observers for a run-of-mine ore milling circuit. <i>Journal of Process Control</i> , 2012 , 22, 3-10	3.9	30
734	Analytical stability bound for delayed second-order systems with repeating poles using Lambert function W. <i>Automatica</i> , 2002 , 38, 891-895	5.7	30
733	Cogging effect minimization in PMSM position servo system using dual high-order periodic adaptive learning compensation. <i>ISA Transactions</i> , 2010 , 49, 479-88	5.5	29
732	A Practical Iterative Learning Path-Following Control Of An Omni-Directional Vehicle. <i>Asian Journal of Control</i> , 2008 , 4, 90-98	1.7	29
731	High-order iterative learning identification of projectile's aerodynamic drag coefficient curve from radar measured velocity data. <i>IEEE Transactions on Control Systems Technology</i> , 1998 , 6, 563-570	4.8	29
730	Forecast analysis of the epidemics trend of COVID-19 in the USA by a generalized fractional-order SEIR model. <i>Nonlinear Dynamics</i> , 2020 , 101, 1-14	5	29
729	Design and implementation of grid multi-scroll fractional-order chaotic attractors. <i>Chaos</i> , 2016 , 26, 084303	3.3	29
728	General robustness analysis and robust fractional-order PD controller design for fractional-order plants. <i>IET Control Theory and Applications</i> , 2018 , 12, 1730-1736	2.5	28
727	FARIMA with stable innovations model of Great Salt Lake elevation time series. <i>Signal Processing</i> , 2011 , 91, 553-561	4.4	28
726	On distributed order integrator/differentiator. <i>Signal Processing</i> , 2011 , 91, 1079-1084	4.4	28
725	Spatial-based iterative learning control for motion control applications. <i>Meccanica</i> , 2007 , 42, 167-175	2.1	28

724	Boundary feedback stabilisation for the time fractional-order anomalous diffusion system. <i>IET Control Theory and Applications</i> , 2016 , 10, 1250-1257	2.5	28
723	Cyber-physical systems as general distributed parameter systems: three types of fractional order models and emerging research opportunities. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2015 , 2, 353-357	7	27
722	Regular and chaotic vibration in a piezoelectric energy harvester with fractional damping. <i>European Physical Journal Plus</i> , 2015 , 130, 1	3.1	27
721	A comparative evaluation of low-cost IMUs for unmanned autonomous systems 2010 ,		27
720	FaultFace: Deep Convolutional Generative Adversarial Network (DCGAN) based Ball-Bearing failure detection method. <i>Information Sciences</i> , 2021 , 542, 195-211	7.7	27
719	Low-cost UAV-based thermal infrared remote sensing: Platform, calibration and applications 2010 ,		26
718	Using a multispectral autonomous unmanned aerial remote sensing platform (AggieAir) for riparian and wetlands applications 2011 ,		26
717	D-optimal trajectory design of heterogeneous mobile sensors for parameter estimation of distributed systems 2008 ,		26
716	Unmanned aerial systems for agriculture and natural resources. <i>California Agriculture</i> , 2017 , 71, 5-14	1.1	26
715	A fractional-order SEIHDR model for COVID-19 with inter-city networked coupling effects. <i>Nonlinear Dynamics</i> , 2020 , 101, 1-14	5	26
714	Performance analysis of fractional order extremum seeking control. <i>ISA Transactions</i> , 2016 , 63, 281-287	5.5	26
713	Fuzzy neural network-based chaos synchronization for a class of fractional-order chaotic systems: an adaptive sliding mode control approach. <i>Nonlinear Dynamics</i> , 2020 , 100, 1275-1287	5	25
712	Fractional order equivalent series resistance modelling of electrolytic capacitor and fractional order failure prediction with application to predictive maintenance. <i>IET Power Electronics</i> , 2016 , 9, 1608-1613	2.2	25
711	Gain scheduling design based on active disturbance rejection control for thermal power plant under full operating conditions. <i>Energy</i> , 2019 , 185, 744-762	7.9	25
710	Numerics for the fractional Langevin equation driven by the fractional Brownian motion. <i>Fractional Calculus and Applied Analysis</i> , 2013 , 16,	2.7	25
709	Linear matrix inequality criteria for robust synchronization of uncertain fractional-order chaotic systems. <i>Chaos</i> , 2011 , 21, 043107	3.3	25
708	Learning feedforward control using a dilated B-spline network: frequency domain analysis and design. <i>IEEE Transactions on Neural Networks</i> , 2004 , 15, 355-66		25
707	Comparing U-Net convolutional networks with fully convolutional networks in the performances of pomegranate tree canopy segmentation 2018 ,		25

706	Fractional envelope analysis for rolling element bearing weak fault feature extraction. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2017 , 4, 353-360	7	24
705	Observer-based output feedback control for a boundary controlled fractional reaction diffusion system with spatially-varying diffusivity. <i>IET Control Theory and Applications</i> , 2018 , 12, 1561-1572	2.5	24
704	Solving nonlinear stochastic differential equations with fractional Brownian motion using reducibility approach. <i>Nonlinear Dynamics</i> , 2012 , 67, 2719-2726	5	24
703	1-D and 2-D digital fractional-order Savitzky-Golay differentiator. <i>Signal, Image and Video Processing</i> , 2012 , 6, 503-511	1.6	24
702	Time-Optimal Control of Systems with Fractional Dynamics. <i>International Journal of Differential Equations</i> , 2010 , 2010, 1-16	0.8	24
701	Analytical impulse response of a fractional second order filter and its impulse response invariant discretization. <i>Signal Processing</i> , 2011 , 91, 498-507	4.4	24
700	An improved Hurst parameter estimator based on fractional Fourier transform. <i>Telecommunication Systems</i> , 2010 , 43, 197-206	2.3	24
699	Integrated Intelligence of Fractional Neural Networks and Sequential Quadratic Programming for Bagley-Torvik Systems Arising in Fluid Mechanics. <i>Journal of Computational and Nonlinear Dynamics</i> , 2020 , 15,	1.4	24
698	Challenges in Water Stress Quantification Using Small Unmanned Aerial System (sUAS): Lessons from a Growing Season of Almond. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2017 , 88, 721-735	2.9	23
697	Global Practical Mittag Leffler Stabilization by Output Feedback for a Class Of Nonlinear Fractional-Order Systems. <i>Asian Journal of Control</i> , 2018 , 20, 599-607	1.7	23
696	High-Order Algorithms for Riesz Derivative and Their Applications(I). <i>Abstract and Applied Analysis</i> , 2014 , 2014, 1-17	0.7	23
695	Optimal Mobile Sensing and Actuation Policies in Cyber-physical Systems 2012 ,		23
694	Fractional-order integral and derivative controller for temperature profile tracking. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2009 , 34, 833-850	1	23
693	Distributed coordination algorithms for multiple fractional-order systems 2008 ,		23
692	Boundary Stabilization and Disturbance Rejection for Time Fractional Order Diffusion-Wave Equations. <i>Nonlinear Dynamics</i> , 2004 , 38, 339-354	5	23
691	Remaining Useful Life Prediction and State of Health Diagnosis of Lithium-Ion Battery Based on Second-Order Central Difference Particle Filter. <i>IEEE Access</i> , 2020 , 8, 37305-37313	3.5	22
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
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