Fengling Han

List of Publications by Year
in descending order

97 papers	3,089 citations	331670 21 h-index	289244 40 g-index
99 all docs	99 docs citations	99 times ranked	2502 citing authors

#	Article	IF	Citations
1	Chattering free full-order sliding-mode control. Automatica, 2014, 50, 1310-1314.	5.0	501
2	On nonsingular terminal sliding-mode control of nonlinear systems. Automatica, 2013, 49, 1715-1722.	5.0	480
3	Public and private blockchain in construction business process and information integration. Automation in Construction, 2020, 118, 103276.	9.8	233
4	Generating 3-D multi-scroll chaotic attractors: A hysteresis series switching method. Automatica, 2004, 40, 1677-1687.	5.0	228
5	High-Order Terminal Sliding-Mode Observer for Parameter Estimation of a Permanent-Magnet Synchronous Motor. IEEE Transactions on Industrial Electronics, 2013, 60, 4272-4280.	7.9	213
6	On the cluster consensus of discrete-time multi-agent systems. Systems and Control Letters, 2011, 60, 517-523.	2.3	182
7	Robust Estimation for State-of-Charge and State-of-Health of Lithium-Ion Batteries Using Integral-Type Terminal Sliding-Mode Observers. IEEE Transactions on Industrial Electronics, 2020, 67, 4013-4023.	7.9	88
8	Fingerprint images encryption via multi-scroll chaotic attractors. Applied Mathematics and Computation, 2007, 185, 931-939.	2.2	87
9	A pixel-based scrambling scheme for digital medical images protection. Journal of Network and Computer Applications, 2009, 32, 788-794.	9.1	86
10	A fingerprint based bioâ€cryptographic security protocol designed for client/server authentication in mobile computing environment. Security and Communication Networks, 2011, 4, 487-499.	1.5	82
11	Enhanced gradient-based algorithm for the estimation of fingerprint orientation fields. Applied Mathematics and Computation, 2007, 185, 823-833.	2.2	78
12	An Architecture and Performance Evaluation of Blockchain-Based Peer-to-Peer Energy Trading. IEEE Transactions on Smart Grid, 2021, 12, 3364-3378.	9.0	76
13	Full-order terminal sliding-mode control of MIMO systems with unmatched uncertainties. Journal of the Franklin Institute, 2018, 355, 653-674.	3.4	55
14	A Secure Verifiable Ranked Choice Online Voting System Based on Homomorphic Encryption. IEEE Access, 2018, 6, 20506-20519.	4.2	49
15	Blockchain voting: Publicly verifiable online voting protocol without trusted tallying authorities. Future Generation Computer Systems, 2020, 112, 859-874.	7.5	47
16	Integral-Type Terminal Sliding-Mode Control for Grid-Side Converter in Wind Energy Conversion Systems. IEEE Transactions on Industrial Electronics, 2019, 66, 3702-3711.	7.9	41
17	Integral-Type Sliding-Mode Control for a Class of Mechatronic Systems With Gain Adaptation. IEEE Transactions on Industrial Informatics, 2020, 16, 5357-5368.	11.3	38
18	n-scroll chaotic oscillators by second-order systems and double-hysteresis blocks. Electronics Letters, 2003, 39, 1636.	1.0	35

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19	Deep convolutional neural network based fractional-order terminal sliding-mode control for robotic manipulators. Neurocomputing, 2020, 416, 143-151.	5.9	34
20	Locating Phase-to-Ground Short-Circuit Faults on Radial Distribution Lines. IEEE Industrial Electronics Magazine, 2007, 54, 1581-1590.	2.6	33
21	A chaosâ€based encryption technique to protect ECG packets for time critical telecardiology applications. Security and Communication Networks, 2011, 4, 515-524.	1.5	32
22	Fullâ€Order Slidingâ€Mode Control of Rigid Robotic Manipulators. Asian Journal of Control, 2019, 21, 1228-1236.	3.0	21
23	Decentralized Voting: A Self-tallying Voting System Using a Smart Contract on the Ethereum Blockchain. Lecture Notes in Computer Science, 2018, , 18-35.	1.3	20
24	Mobile device access control: an improved correlation based face authentication scheme and its Java ME application. Concurrency Computation Practice and Experience, 2012, 24, 1066-1085.	2.2	17
25	An alignment free fingerprint fuzzy extractor using near-equivalent Dual Layer Structure Check (NeDLSC) algorithm. , 2011, , .		16
26	A Blockchain Implementation for the Cataloguing of CCTV Video Evidence. , 2018, , .		16
27	Experimental confirmation of a new chaotic attractor. Chaos, Solitons and Fractals, 2004, 21, 69-74.	5.1	13
28	Compatibility of photographed images with touch-based fingerprint verification software. , 2011, , .		13
29	Analysis of the non-inverting buck-boost converter with four-mode control method. , 2017, , .		13
30	On Multiscroll Chaotic Attractors in Hysteresis-Based Piecewise-Linear Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2007, 54, 1004-1008.	3.0	12
31	Feature Level Fusion of Fingerprint and Finger Vein Biometrics. Lecture Notes in Computer Science, 2011, , 348-355.	1.3	12
32	Fingerprint image watermarking approach using DTCWT without corrupting minutiae. , 2013, , .		10
33	Cartesian and polar transformation-based cancelable fingerprint template. , 2011, , .		9
34	Terminal sliding mode observer for anomaly detection in TCP/IP networks. , 2011, , .		9
35	Speed Control of Induction Motor Servo Drives Using Terminal Sliding-Mode Controller. Studies in Systems, Decision and Control, 2018, , 341-356.	1.0	9
36	Sliding Mode Observer for State-of-Charge Estimation Using Hysteresis-Based Li-Ion Battery Model. Energies, 2022, 15, 2658.	3.1	9

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37	Fingerprint image protection using two watermarks without corrupting minutiae. , 2013, , .		8
38	Preference based load balancing as an outpatient appointment scheduling aid. , 2013, 2013, 1298-301.		8
39	A wall solar chimney to ventilate multi-zone buildings. Sustainable Energy Technologies and Assessments, 2021, 47, 101381.	2.7	8
40	Experimentation on Identifying the Kinematic Parameters of Serial Mechanism Based on the Product-of-Exponential Formula. Jiqiren/Robot, 2011, 33, 35-39.	0.4	8
41	Improved Baker Map for Image Encryption. , 0, , .		7
42	A fast terminal sliding mode observer for TCP/IP network anomaly traffic detection. , 2015, , .		7
43	Intelligent battery management for electric and hybrid electric vehicles: A survey. , 2016, , .		7
44	A Verifiable Ranked Choice Internet Voting System. Lecture Notes in Computer Science, 2017, , 490-501.	1.3	7
45	A distributed networked system for secure publicly verifiable self-tallying online voting. Information Sciences, 2021, 543, 125-142.	6.9	7
46	Dynamical behaviours of a 3D hysteresis-based system. Chaos, Solitons and Fractals, 2006, 28, 182-192.	5.1	6
47	Hybrid continuous nonsingular terminal sliding mode control of uncertain flexible manipulators. , 2014, , .		6
48	Reply to â€œComments on â€˜Chattering free full-order sliding-mode controlâ€™ [Automatica 50 (2014) 1310â€"1314]â€• Automatica, 2016, 72, 255-256.	5.0	6
49	Continuous adaptive terminal sliding-mode control. , 2016, , .		5
50	Highly efficient one-time pad key generation for large volume medical data protection. , 2010, , .		4
51	Statistical analysis and security estimation of fingerprint minutia local structure in bio-cryptographic system. , 2011, , .		4
52	Design and optimization of control parameters based on direct-drive permanent magnet synchronous generator for wind power system. , 2013, , .		4
53	Biometric-Kerberos authentication scheme for secure mobile computing services. , 2013, , .		4
54	On A Discrete-Time Quasi-Sliding Mode Control. , 2018, , .		4

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55	M-Identity and Its Authentication Protocol for Secure Mobile Commerce Applications. Lecture Notes in Computer Science, 2012, , 1-10.	1.3	4
56	Chattering-Free Terminal Sliding-Mode Observer for Anomaly Detection. Lecture Notes in Computer Science, 2012, , 57-65.	1.3	3
57	Study on MPPT approach in photovoltaic system based on fuzzy control. , 2013, , .		3
58	Continuous nonsingular terminal sliding mode control with anti-windup compensation. , 2014, , .		3
59	Sliding-mode observers for real-time DDoS detection. , 2016, , .		3
60	Comparative studies of router-based observation schemes for anomaly detection in TCP/UDP networks. , 2016, , .		3
61	Securing Body Sensor Network with ECG. , 2016, , .		3
62	Gain margin technique based continuous sliding-mode control of induction motors. , 2017, , .		3
63	Continuous full-order terminal sliding mode control for a class of nonlinear systems. , 2017, , .		3
64	High-Order Terminal Sliding-Mode Observers for Anomaly Detection. Lecture Notes in Computer Science, 2012, , 497-504.	1.3	3
65	A correlation based face verification scheme designed for mobile device access control: From algorithm to Java ME implementation. , 2010, , .		2
66	3D reconstruction from planar points: A candidate method for authentication of fingerprint images captured by mobile devices. , 2012, , .		2
67	The electromagnetic relay test system based on TMS320F28335. , 2013, , .		2
68	Study on position detection method of multi-stage coilgun projectile. , 2013, , .		2
69	Time division multiplexing based multiple synchronised chaotic signals transmission. Electronics Letters, 2013, 49, 42-44.	1.0	2
70	Fuzzy logic based load balancing for an online medical consultation system. , 2013, , .		2
71	A Mosaic Approach to Touchless Fingerprint Image with Multiple Views. , 2014, , .		2
72	BRDF analysis of material with fractal rough surface. , 2015, , .		2

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73	Fingerprint authentication enhancement using combination of DWT and DCT. , 2015, , .		2
74	Terminal sliding-mode control of induction motor speed servo systems. , 2016, , .		2
75	Full-order terminal sliding-mode based energy saving control of induction motors. , 2017, , .		2
76	Online SoC estimation for Li-ion batteries: A survey explore the distributed secure cloud management to battery packs. , 2017, , .		2
77	A novel image encryption method based on invertible 3D maps and its security analysis. , 2011, , .		1
78	A multi-module anomaly detection scheme based on system call prediction. , 2013, , .		1
79	Full-order terminal sliding-mode control for wind energy integration into power network. , 2015, , .		1
80	Terminal sliding-mode observer for rotor flux estimation of induction motors. , 2017, , .		1
81	State estimation for a TCP/IP network using terminal sliding-mode methodology. , 2017, , .		1
82	Estimation of SoC of Batteries Using Terminal Sliding-Mode Observer. , 2018, , .		1
83	An Online Estimation Algorithm of State-of-Charge of Lithium-Ion Batteries. , 2018, , .		1
84	Discrete-Time Quasi-Sliding Mode Control of Induction Motors. , 2018, , .		1
85	BIOMETRIC AUTHENTICATION FOR MOBILE COMPUTING APPLICATIONS. , 2011, , 461-481.		1
86	A further study of nonlinear feedback system with chaotic oscillation. , 0, , .		0
87	Pseudo random data stream generation for data/images protection in ubiquitous computing environment. , 2011, , .		0
88	Top-k future system call prediction based multi-module anomaly detection system. , 2013, , .		0
89	Mobile Fingerprint for Identity Authentication in Mobile Commerce Applications. , 2014, , .		0
90	An energy storage integrated dual-input PV system with distributed maximum power point tracking. , 2017, , .		0

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91	Continuous sliding-mode control for nonlinear systems with unmatched uncertainties. , 2017, , .		0
92	Adaptive Discrete-Time Quasi-Sliding Mode Control of Induction Motors. , 2021, , .		0
93	Multiple Factors Based Evaluation of Fingerprint Images Quality. Lecture Notes in Computer Science, 2012, , 251-264.	1.3	0
94	Ultrasonic Analysis for Partial Discharge of Stator Windings. Advanced Science Letters, 2012, 6, 271-275.	0.2	0
95	CTM-sp: A Family of Cryptographic Hash Functions from Chaotic Tent Maps. Lecture Notes in Computer Science, 2016, , 329-342.	1.3	0
96	Blockchain Enabled Integrity Protection for Bodycam Video. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 163-173.	0.3	0
97	Accurate Estimation on the State-of-Charge of Lithium-Ion Battery Packs. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 251-262.	0.3	0