

Fengling Han

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	Sliding Mode Observer for State-of-Charge Estimation Using Hysteresis-Based Li-Ion Battery Model. Energies, 2022, 15, 2658.	3.1	9
4	A distributed networked system for secure publicly verifiable self-tallying online voting. Information Sciences, 2021, 543, 125-142.	6.9	7
5	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
6	A wall solar chimney to ventilate multi-zone buildings. Sustainable Energy Technologies and Assessments, 2021, 47, 101381.	2.7	8
7	Adaptive Discrete-Time Quasi-Sliding Mode Control of Induction Motors. , 2021, , .		0
8	Deep convolutional neural network based fractional-order terminal sliding-mode control for robotic manipulators. Neurocomputing, 2020, 416, 143-151.	5.9	34
9	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
10	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
11	Public and private blockchain in construction business process and information integration. Automation in Construction, 2020, 118, 103276.	9.8	233
12	Blockchain voting: Publicly verifiable online voting protocol without trusted tallying authorities. Future Generation Computer Systems, 2020, 112, 859-874.	7.5	47
13	Full-Order Sliding-Mode Control of Rigid Robotic Manipulators. Asian Journal of Control, 2019, 21, 1228-1236.	3.0	21
14	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
15	A Secure Verifiable Ranked Choice Online Voting System Based on Homomorphic Encryption. IEEE Access, 2018, 6, 20506-20519.	4.2	49
16	Full-order terminal sliding-mode control of MIMO systems with unmatched uncertainties. Journal of the Franklin Institute, 2018, 355, 653-674.	3.4	55
17	Speed Control of Induction Motor Servo Drives Using Terminal Sliding-Mode Controller. Studies in Systems, Decision and Control, 2018, , 341-356.	1.0	9
18	Estimation of SoC of Batteries Using Terminal Sliding-Mode Observer. , 2018, , .		1

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19	A Blockchain Implementation for the Cataloguing of CCTV Video Evidence. , 2018, , .		16
20	An Online Estimation Algorithm of State-of-Charge of Lithium-Ion Batteries. , 2018, , .		1
21	Discrete-Time Quasi-Sliding Mode Control of Induction Motors. , 2018, , .		1
22	On A Discrete-Time Quasi-Sliding Mode Control. , 2018, , .		4
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	A Verifiable Ranked Choice Internet Voting System. Lecture Notes in Computer Science, 2017, , 490-501.	1.3	7
25	Gain margin technique based continuous sliding-mode control of induction motors. , 2017, , .		3
26	An energy storage integrated dual-input PV system with distributed maximum power point tracking. , 2017, , .		0
27	Analysis of the non-inverting buck-boost converter with four-mode control method. , 2017, , .		13
28	Full-order terminal sliding-mode based energy saving control of induction motors. , 2017, , .		2
29	Online SoC estimation for Li-ion batteries: A survey explore the distributed secure cloud management to battery packs. , 2017, , .		2
30	Terminal sliding-mode observer for rotor flux estimation of induction motors. , 2017, , .		1
31	Continuous full-order terminal sliding mode control for a class of nonlinear systems. , 2017, , .		3
32	State estimation for a TCP/IP network using terminal sliding-mode methodology. , 2017, , .		1
33	Continuous sliding-mode control for nonlinear systems with unmatched uncertainties. , 2017, , .		0
34	Reply to "Comments on "Chattering free full-order sliding-mode control" [Automatica 50 (2014) 1310-1314]" Automatica, 2016, 72, 255-256.	5.0	6
35	Terminal sliding-mode control of induction motor speed servo systems. , 2016, , .		2
36	Sliding-mode observers for real-time DDoS detection. , 2016, , .		3

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37	Comparative studies of router-based observation schemes for anomaly detection in TCP/UDP networks. , 2016, , .		3
38	Continuous adaptive terminal sliding-mode control. , 2016, , .		5
39	Securing Body Sensor Network with ECG. , 2016, , .		3
40	Intelligent battery management for electric and hybrid electric vehicles: A survey. , 2016, , .		7
41	CTM-sp: A Family of Cryptographic Hash Functions from Chaotic Tent Maps. Lecture Notes in Computer Science, 2016, , 329-342.	1.3	0
42	Full-order terminal sliding-mode control for wind energy integration into power network. , 2015, , .		1
43	BRDF analysis of material with fractal rough surface. , 2015, , .		2
44	A fast terminal sliding mode observer for TCP/IP network anomaly traffic detection. , 2015, , .		7
45	Fingerprint authentication enhancement using combination of DWT and DCT. , 2015, , .		2
46	A Mosaic Approach to Touchless Fingerprint Image with Multiple Views. , 2014, , .		2
47	Continuous nonsingular terminal sliding mode control with anti-windup compensation. , 2014, , .		3
48	Hybrid continuous nonsingular terminal sliding mode control of uncertain flexible manipulators. , 2014, , .		6
49	Mobile Fingerprint for Identity Authentication in Mobile Commerce Applications. , 2014, , .		0
50	Chattering free full-order sliding-mode control. Automatica, 2014, 50, 1310-1314.	5.0	501
51	Study on MPPT approach in photovoltaic system based on fuzzy control. , 2013, , .		3
52	A multi-module anomaly detection scheme based on system call prediction. , 2013, , .		1
53	Design and optimization of control parameters based on direct-drive permanent magnet synchronous generator for wind power system. , 2013, , .		4
54	Biometric-Kerberos authentication scheme for secure mobile computing services. , 2013, , .		4

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55	Top-k future system call prediction based multi-module anomaly detection system. , 2013, , .		0
56	Fingerprint image protection using two watermarks without corrupting minutiae. , 2013, , .		8
57	The electromagnetic relay test system based on TMS320F28335. , 2013, , .		2
58	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
59	Study on position detection method of multi-stage coilgun projectile. , 2013, , .		2
60	On nonsingular terminal sliding-mode control of nonlinear systems. Automatica, 2013, 49, 1715-1722.	5.0	480
61	Fingerprint image watermarking approach using DTCWT without corrupting minutiae. , 2013, , .		10
62	Time division multiplexing based multiple synchronised chaotic signals transmission. Electronics Letters, 2013, 49, 42-44.	1.0	2
63	Preference based load balancing as an outpatient appointment scheduling aid. , 2013, 2013, 1298-301.		8
64	Fuzzy logic based load balancing for an online medical consultation system. , 2013, , .		2
65	3D reconstruction from planar points: A candidate method for authentication of fingerprint images captured by mobile devices. , 2012, , .		2
66	Chattering-Free Terminal Sliding-Mode Observer for Anomaly Detection. Lecture Notes in Computer Science, 2012, , 57-65.	1.3	3
67	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
68	High-Order Terminal Sliding-Mode Observers for Anomaly Detection. Lecture Notes in Computer Science, 2012, , 497-504.	1.3	3
69	M-Identity and Its Authentication Protocol for Secure Mobile Commerce Applications. Lecture Notes in Computer Science, 2012, , 1-10.	1.3	4
70	Multiple Factors Based Evaluation of Fingerprint Images Quality. Lecture Notes in Computer Science, 2012, , 251-264.	1.3	0
71	Ultrasonic Analysis for Partial Discharge of Stator Windings. Advanced Science Letters, 2012, 6, 271-275.	0.2	0
72	Pseudo random data stream generation for data/images protection in ubiquitous computing environment. , 2011, , .		0

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73	Cartesian and polar transformation-based cancelable fingerprint template. , 2011, , .		9
74	Terminal sliding mode observer for anomaly detection in TCP/IP networks. , 2011, , .		9
75	A fingerprint based bio-cryptographic security protocol designed for client/server authentication in mobile computing environment. Security and Communication Networks, 2011, 4, 487-499.	1.5	82
76	A chaos-based encryption technique to protect ECG packets for time critical telecardiology applications. Security and Communication Networks, 2011, 4, 515-524.	1.5	32
77	On the cluster consensus of discrete-time multi-agent systems. Systems and Control Letters, 2011, 60, 517-523.	2.3	182
78	Compatibility of photographed images with touch-based fingerprint verification software. , 2011, , .		13
79	A novel image encryption method based on invertible 3D maps and its security analysis. , 2011, , .		1
80	Statistical analysis and security estimation of fingerprint minutia local structure in bio-cryptographic system. , 2011, , .		4
81	An alignment free fingerprint fuzzy extractor using near-equivalent Dual Layer Structure Check (NeDLSC) algorithm. , 2011, , .		16
82	Feature Level Fusion of Fingerprint and Finger Vein Biometrics. Lecture Notes in Computer Science, 2011, , 348-355.	1.3	12
83	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
84	BIOMETRIC AUTHENTICATION FOR MOBILE COMPUTING APPLICATIONS. , 2011, , 461-481.		1
85	A correlation based face verification scheme designed for mobile device access control: From algorithm to Java ME implementation. , 2010, , .		2
86	Highly efficient one-time pad key generation for large volume medical data protection. , 2010, , .		4
87	A pixel-based scrambling scheme for digital medical images protection. Journal of Network and Computer Applications, 2009, 32, 788-794.	9.1	86
88	Locating Phase-to-Ground Short-Circuit Faults on Radial Distribution Lines. IEEE Industrial Electronics Magazine, 2007, 54, 1581-1590.	2.6	33
89	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
90	Enhanced gradient-based algorithm for the estimation of fingerprint orientation fields. Applied Mathematics and Computation, 2007, 185, 823-833.	2.2	78

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91	Fingerprint images encryption via multi-scroll chaotic attractors. Applied Mathematics and Computation, 2007, 185, 931-939.	2.2	87
92	Dynamical behaviours of a 3D hysteresis-based system. Chaos, Solitons and Fractals, 2006, 28, 182-192.	5.1	6
93	Experimental confirmation of a new chaotic attractor. Chaos, Solitons and Fractals, 2004, 21, 69-74.	5.1	13
94	Generating 3-D multi-scroll chaotic attractors: A hysteresis series switching method. Automatica, 2004, 40, 1677-1687.	5.0	228
95	n-scroll chaotic oscillators by second-order systems and double-hysteresis blocks. Electronics Letters, 2003, 39, 1636.	1.0	35
96	A further study of nonlinear feedback system with chaotic oscillation. , 0, , .		0
97	Improved Baker Map for Image Encryption. , 0, , .		7