

Arman Sargolzaei

List of Publications by Year in descending order

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66
papers

2,050
citations

394286

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67
all docs

67
docs citations

67
times ranked

1991
citing authors

#	ARTICLE	IF	CITATIONS
1	Secure Control Design for Networked Control Systems With Nonlinear Dynamics Under Time-Delay-Switch Attacks. IEEE Transactions on Automatic Control, 2023, 68, 798-811.	3.6	8
2	Lyapunov-Based Control of a Nonlinear Multiagent System With a Time-Varying Input Delay Under False-Data-Injection Attacks. IEEE Transactions on Industrial Informatics, 2022, 18, 2693-2703.	7.2	28
3	Resilient Frequency Control Design for Microgrids Under False Data Injection. IEEE Transactions on Industrial Electronics, 2021, 68, 2151-2162.	5.2	50
4	Stochastic Secondary Frequency Control of Islanded Microgrid Under Uncertainties. IEEE Systems Journal, 2021, 15, 1056-1065.	2.9	13
5	A Secure Control Design for Networked Control Systems with Linear Dynamics under a Time-Delay Switch Attack. Electronics (Switzerland), 2021, 10, 322.	1.8	14
6	Autonomous Vehicles Scenario Testing Framework and Model of Computation: On Generation and Coverage. IEEE Access, 2021, 9, 60617-60628.	2.6	6
7	A Machine Learning Approach for Anomaly Detection in Industrial Control Systems Based on Measurement Data. Electronics (Switzerland), 2021, 10, 407.	1.8	82
8	Blockchain Applications to Improve Operation and Security of Transportation Systems: A Survey. Electronics (Switzerland), 2021, 10, 629.	1.8	17
9	A Secure Control Design for Networked Control System with Nonlinear Dynamics under False-Data-Injection Attacks. , 2021, , .		3
10	Preclinical Western Blot in the Era of Digital Transformation and Reproducible Research, an Eastern Perspective. Interdisciplinary Sciences, Computational Life Sciences, 2021, 13, 490-499.	2.2	0
11	Neural Network-Based Active Fault-Tolerant Control Design for Unmanned Helicopter with Additive Faults. Remote Sensing, 2021, 13, 2396.	1.8	12
12	A Neural Adaptive Approach for Active Fault-Tolerant Control Design in UAV. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3401-3411.	5.9	73
13	Resilient Control Design for Load Frequency Control System Under False Data Injection Attacks. IEEE Transactions on Industrial Electronics, 2020, 67, 7951-7962.	5.2	113
14	Detection and Mitigation of False Data Injection Attacks in Networked Control Systems. IEEE Transactions on Industrial Informatics, 2020, 16, 4281-4292.	7.2	82
15	A Survey on Active Fault-Tolerant Control Systems. Electronics (Switzerland), 2020, 9, 1513.	1.8	73
16	A Neural Network-based Approach for Detection of Time Delay Switch Attack on Networked Control Systems. Procedia Computer Science, 2020, 168, 279-288.	1.2	13
17	A survey on attack vectors in stack cache memory. The Integration VLSI Journal, 2020, 72, 134-147.	1.3	2
18	Control of Cooperative Unmanned Aerial Vehicles: Review of Applications, Challenges, and Algorithms. Advances in Intelligent Systems and Computing, 2020, , 229-255.	0.5	10

#	ARTICLE	IF	CITATIONS
19	Verification of Autonomous Vehicles: Scenario Generation based on Real World Accidents. , 2020, , .		5
20	An Adaptive Resilient Control Approach for Pressure Control in Proton Exchange Membrane Fuel Cells. IEEE Transactions on Industry Applications, 2019, 55, 6344-6354.	3.3	20
21	A Survey on Blockchain Security. , 2019, , .		2
22	A Survey on Side Channel Attacks in Processor-Memory Chip Stack. , 2019, , .		0
23	Requirements for the Next-Generation Autonomous Vehicle Ecosystem. , 2019, , .		3
24	Conceptual Framework for Stress and Comfort Enhancement using Fuzzy Controller. , 2019, , .		0
25	Resilient and Stochastic Load Frequency Control of Microgrids. , 2019, , .		2
26	Security Challenges of Networked Control Systems. Studies in Systems, Decision and Control, 2018, , 77-95.	0.8	23
27	A Model Predictive Power Control Approach for a Three-Phase Single-Stage Grid-Tied PV Module-Integrated Converter. IEEE Transactions on Industry Applications, 2018, 54, 1823-1831.	3.3	16
28	A Novel Sensor Fault Detection in an Unmanned Quadrotor Based on Adaptive Neural Observer. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 90, 473-484.	2.0	38
29	Active Adaptive Fault-Tolerant Control Design for PEM Fuel Cells. , 2018, , .		5
30	The Internet of Things, Artificial Intelligence, Blockchain, and Professionalism. IT Professional, 2018, 20, 15-19.	1.4	88
31	A Comparative Study of Automatic Approaches for Preclinical MRI-based Brain Segmentation in the Developing Rat. , 2018, 2018, 652-655.		4
32	Fuzzy Based Control Approach for Three-Phase Single-Stage Grid-Connected Boost Inverter. , 2018, , .		0
33	Stochastic Load Frequency Control of Microgrids Including Wind Source Based on Identification Method. , 2018, , .		12
34	A Neural Network Based Resilient Control Design for Distributed Power Systems Under Faults and Attacks. , 2018, , .		5
35	Toward a Consensus on the Definition and Taxonomy of Power System Resilience. IEEE Access, 2018, 6, 32035-32053.	2.6	192
36	Blockchain technology innovations. , 2017, , .		311

#	ARTICLE	IF	CITATIONS
37	Neural adaptive observer-based sensor and actuator fault detection in nonlinear systems: Application in UAV. ISA Transactions, 2017, 67, 317-329.	3.1	164
38	Resilient Design of Networked Control Systems Under Time Delay Switch Attacks, Application in Smart Grid. IEEE Access, 2017, 5, 15901-15912.	2.6	64
39	Adaptive Neural Network Based Fault Detection Design for Unmanned Quadrotor under Faults and Cyber Attacks. , 2017, , .		5
40	Detection of false data injection attack on load frequency control in distributed power systems. , 2017, , .		15
41	Cyber disruption detection in linear power systems. , 2017, , .		3
42	Blockchain Technology, Cognitive Computing, and Healthcare Innovations. Journal of Advances in Information Technology, 2017, , 194-198.	2.6	41
43	Generalized Attack Model for Networked Control Systems, Evaluation of Control Methods. Intelligent Control and Automation, 2017, 08, 164-174.	1.0	8
44	Ecopreneur Selection Using Fuzzy Similarity TOPSIS Variants. American Journal of Industrial and Business Management, 2017, 07, 864-880.	0.4	1
45	Learn to Rank Images: A Unified Probabilistic Hypergraph Model for Visual Search. Mathematical Problems in Engineering, 2016, 2016, 1-7.	0.6	1
46	Epilepsy, a Cyberattack on Brainsâ€™ Networked Control System. , 2016, , .		2
47	Detection of Fault Data Injection Attack on UAV Using Adaptive Neural Network. Procedia Computer Science, 2016, 95, 193-200.	1.2	82
48	A simplified power control approach with reliable axis decoupling capability for three-phase current source inverter. , 2016, , .		3
49	A Decision Support System for Improving Resiliency of Cooperative Adaptive Cruise Control Systems. Procedia Computer Science, 2016, 95, 489-496.	1.2	19
50	A Machine Learning Approach for Fault Detection in Vehicular Cyber-Physical Systems. , 2016, , .		39
51	Model predictive power control approach for three-phase single-stage grid-tied PV module-integrated converter. , 2016, , .		8
52	Sensorimotor control: computing the immediate future from the delayed present. BMC Bioinformatics, 2016, 17, 245.	1.2	10
53	A practical guideline for intracranial volume estimation in patients with Alzheimer's disease. BMC Bioinformatics, 2015, 16, S8.	1.2	30
54	A probabilistic approach for pediatric epilepsy diagnosis using brain functional connectivity networks. BMC Bioinformatics, 2015, 16, S9.	1.2	18

#	ARTICLE	IF	CITATIONS
55	Preventing Time-Delay Switch Attack on Load Frequency Control in Distributed Power Systems. IEEE Transactions on Smart Grid, 2015, , 1-10.	6.2	96
56	Estimating Intracranial Volume in Brain Research: An Evaluation of Methods. Neuroinformatics, 2015, 13, 427-441.	1.5	35
57	Active/Reactive Power Control of Three Phase Grid Connected Current Source Boost Inverter Using Particle Swarm Optimization. Advances in Intelligent Systems and Computing, 2015, , 141-146.	0.5	7
58	A Novel Technique for Detection of Time Delay Switch Attack on Load Frequency Control. Intelligent Control and Automation, 2015, 06, 205-214.	1.0	10
59	Smart Grid Cyber Security: An Overview of Threats and Countermeasures. Journal of Energy and Power Engineering, 2015, 9, .	0.2	3
60	Time-delay analysis on grid-connected three-phase current source inverter based on SVPWM switching pattern. , 2014, , .		5
61	Reducing Traffic Congestion Using Geo-fence Technology. , 2014, , .		12
62	Steady-state analysis of nonlinear oscillators using sensitivity approach. , 2011, , .		0
63	A new robust wavelet based algorithm for baseline wandering cancellation in ECG signals. , 2009, , .		17
64	Signal Processing Based for Fetal Electrocardiogram Extraction. , 2008, , .		8
65	Predicting Total Hydro Carbons Amount of Air Using Artificial Neural Network. , 2007, , .		3
66	Autonomous Vehicles Scenario Testing Framework and Model of Computation. SAE International Journal of Connected and Automated Vehicles, 0, 2, 205-218.	0.4	14