

# Sara Dadras

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

631  
citations

1040056

9  
h-index

839539

18  
g-index

28  
all docs

28  
docs citations

28  
times ranked

584  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractional-order exponential switching technique to enhance sliding mode control. Applied Mathematical Modelling, 2017, 44, 705-726.	4.2	129
2	Design of Fractional-Order Backstepping Sliding Mode Control for Quadrotor UAV. Asian Journal of Control, 2019, 21, 156-171.	3.0	82
3	Energy-saving control strategy for lighting system based on multivariate extremum seeking with Newton algorithm. Energy Conversion and Management, 2017, 142, 504-522.	9.2	76
4	Design of optimal lighting control strategy based on multi-variable fractional-order extremum seeking method. Information Sciences, 2018, 465, 38-60.	6.9	57
5	Fractional sliding mode observer design for a class of uncertain fractional order nonlinear systems. , 2011, , .		40
6	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.	2.1	35
7	Linear Matrix Inequality Based Fractional Integral Sliding-Mode Control of Uncertain Fractional-Order Nonlinear Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2017, 139, .	1.6	35
8	Performance analysis of fractional order extremum seeking control. ISA Transactions, 2016, 63, 281-287.	5.7	33
9	Research on Damages Evaluation Method With Multi-Objective Feature Extraction Optimization Scheme for M/OD Impact Risk Assessment. IEEE Access, 2019, 7, 98530-98545.	4.2	27
10	Adaptive rapid defect identification in ECPT based on K-means and automatic segmentation algorithm. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 1-18.	4.9	20
11	Reachable Set Analysis of Vehicular Platooning in Adversarial Environment. , 2018, , .		18
12	Optimizing Energy Consumption for Lighting Control System via Multivariate Extremum Seeking Control With Diminishing Dither Signal. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1848-1859.	5.2	17
13	Resilient Control Design for Vehicular Platooning in an Adversarial Environment. , 2019, , .		13
14	Multidimensional Fractional-Order Newton-Based Extremum Seeking for Online Light-Energy Saving Technique of Lighting System. IEEE Transactions on Industrial Electronics, 2020, 67, 8576-8586.	7.9	8
15	Infrared feature extraction and prediction method based on dynamic multi-objective optimization for space debris impact damages inspection. Journal of the Franklin Institute, 2021, 358, 10165-10192.	3.4	8
16	Infrared Detection Method for Hypervelocity Impact Based on Thermal Image Fusion. IEEE Access, 2021, 9, 90510-90528.	4.2	7
17	Collaborative Attacks on Autonomous Vehicle Platooning. , 2018, , .		6
18	Design of Hypervelocity-Impact Damage Evaluation Technique Based on Bayesian Classifier of Transient Temperature Attributes. IEEE Access, 2020, 8, 18703-18715.	4.2	6

#	ARTICLE	IF	CITATIONS
19	Using an Optimal Multi-Target Image Segmentation Based Feature Extraction Method to Detect Hypervelocity Impact Damage for Spacecraft. IEEE Sensors Journal, 2021, 21, 20258-20272.	4.7	5
20	Artificial intelligence in impact damage evaluation of space debris for spacecraft. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 511-514.	2.6	4
21	Design of an Automatic Defect Identification Method Based ECPT for Pneumatic Pressure Equipment. Complexity, 2018, 2018, 1-16.	1.6	2
22	Spacecraft damage infrared detection algorithm for hypervelocity impact based on double-layer multi-target segmentation. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 571-586.	2.6	2
23	Optimal lighting control strategy for lighting system based on multivariable fractional-order extremum seeking method. , 2018, , .		1
24	Design of Fractional-order Multivariable Extremum Seeking with Newton Algorithm. , 2018, , .		0
25	A New Spacecraft Impact Damage Feature Extraction Algorithm Based on Dynamic Multi-Objective Optimization Method. , 2019, , .		0
26	Multi-objective Optimization for Infrared Image Feature Detecting under Multi-performance Analysis. , 2019, , .		0
27	Light Energy Saving method of Lighting System Based on MISO FO Newton-based ES. , 2020, , .		0
28	Enhancement of Defect Detectability in Pneumatic Pressure Equipment Using an Automatic Detection Technique in ECPT. Journal of Testing and Evaluation, 2021, 49, 640-660.	0.7	0