Mustafa Sinasi Ayas

List of Publications by Year
in descending order

28 papers	352 citations	1163117 8 h-index	940533 16 g-index
28 all docs	28 docs citations	28 times ranked	238 citing authors

#	Article	IF	Citations
1	Survivability-Based Protection for Electric Motor Drive Systems-Part I: $3phi$ Induction Motor Drives. IEEE Transactions on Industry Applications, 2022, 58, 1797-1808.	4.9	7
2	A novel bearing fault diagnosis method using deep residual learning network. Multimedia Tools and Applications, 2022, 81, 22407-22423.	3.9	24
3	Performance improvement of an AVR system by symbiotic organism search algorithm-based PID-F controller. Neural Computing and Applications, 2022, 34, 7899-7908.	5.6	14
4	Model Based Detection Scheme for Denial of Service Attack on Lane Keeping Assist System. , 2022, , .		1
5	Employing Equilibrium Optimizer in Two-Area Load Frequency Control for a TIDFF Controller Design. , 2022, , .		3
6	FOPID controller with fractional filter for an automatic voltage regulator. Computers and Electrical Engineering, 2021, 90, 106895.	4.8	82
7	High order differential feedback controller design and implementation for a Stewart platform. JVC/Journal of Vibration and Control, 2020, 26, 976-988.	2.6	6
8	Fractional High-Order Differential Estimator and Feedback Controller Design for a Single-Inputâ€"Single-Output Affine Chaotic System. Journal of Computational and Nonlinear Dynamics, 2020, 15, .	1.2	1
9	Design of Evolutionary Algorithm Based PID Controller with filter for an Automatic Voltage Regulator. Karadeniz Fen Bilimleri Dergisi, 2020, 10, 74-90.	0.3	1
10	Design of an optimized fractional high-order differential feedback controller for an AVR system. Electrical Engineering, 2019, 101, 1221-1233.	2.0	28
11	Parameter effect analysis of particle swarm optimization algorithm in PID controller design. International Journal of Optimization and Control: Theories and Applications, 2019, 9, 165-175.	1.7	1
12	ParÃ§acÄ±k SÃ¼rÃ¼ Optimizasyonu AyarlÄ± TÃ¼rev Etkisi Filtreli Bir PID Denetleyici iÃ§in Hata TabanlÄ± ve KullanÄ±cÄ± TanÄ±mlÄ± AmaÃ§ FonksiyonlarÄ±nÄ±n Performans Analizi. Afyon Kocatepe University Journal of Sciences and Engineering, 2019, 19, 682-689.	0.2	2
13	Designing and implementing a plug-in type repetitive controller for a redundantly actuated ankle rehabilitation robot. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2018, 232, 592-607.	1.0	4
14	Fractional order based trajectory tracking control of an ankle rehabilitation robot. Transactions of the Institute of Measurement and Control, 2018, 40, 550-564.	1.7	18
15	Performance of PSO based classical and fractional PID controllers for an unmanned surface vehicle. , 2018, , .		4
16	Fuzzy logic based adaptive admittance control of a redundantly actuated ankle rehabilitation robot. Control Engineering Practice, 2017, 59, 44-54.	5.5	73
17	Fast measurement of headlamps by means of a developed fuzzy luxmeter based on a fuzzy mapping algorithm. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 2627-2637.	1.4	1
18	A redundantly actuated ankle rehabilitation robot and its control strategies. , 2016, , .		5

#	Article	IF	Citations
19	Undetectable sensor and actuator attacks for observer based controlled Cyber-Physical Systems. , 2016, , .		4
20	A virtual laboratory for system simulation and control with undergraduate curriculum. Computer Applications in Engineering Education, 2016, 24, 122-130.	3.4	19
21	An optimized fuzzy logic controller for a parallel mechanism rehabilitation robot. , 2015, , .		3
22	Fractional order control of conducting polymer artificial muscles. Expert Systems With Applications, 2015, 42, 8212-8220.	7.6	16
23	Trajectory tracking control of a stewart platform. , 2014, , .		4
24	A PSO optimized fractional-order PID controller for a PV system with DC-DC boost converter. , 2014, , .		22
25	Optimized Control of a Parallel Mechanism Rehabilitation Robot. , 2014, , .		2
26	Design of a fuzzy logic controller for a 2-DOF robot manipulator. , 2013, , .		3
27	A modified densenet approach with nearmiss for anomaly detection in industrial control systems. Multimedia Tools and Applications, 0, , 1.	3.9	3
28	Effects of objective function in PID controller design for an AVR system. International Journal of Applied Mathematics Electronics and Computers, 0, , 245-255.	0.3	1