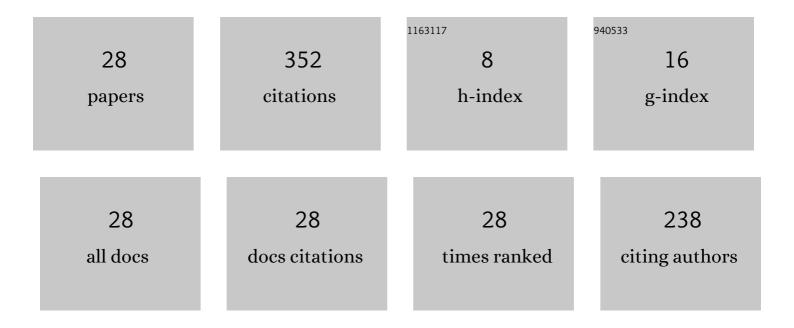
## Mustafa Sinasi Ayas

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	FOPID controller with fractional filter for an automatic voltage regulator. Computers and Electrical Engineering, 2021, 90, 106895.	4.8	82
2	Fuzzy logic based adaptive admittance control of a redundantly actuated ankle rehabilitation robot. Control Engineering Practice, 2017, 59, 44-54.	5.5	73
3	Design of an optimized fractional high-order differential feedback controller for an AVR system. Electrical Engineering, 2019, 101, 1221-1233.	2.0	28
4	A novel bearing fault diagnosis method using deep residual learning network. Multimedia Tools and Applications, 2022, 81, 22407-22423.	3.9	24
5	A PSO optimized fractional-order PID controller for a PV system with DC-DC boost converter. , 2014, , .		22
6	A virtual laboratory for system simulation and control with undergraduate curriculum. Computer Applications in Engineering Education, 2016, 24, 122-130.	3.4	19
7	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
8	Fractional order control of conducting polymer artificial muscles. Expert Systems With Applications, 2015, 42, 8212-8220.	7.6	16
9	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
10	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
11	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
12	A redundantly actuated ankle rehabilitation robot and its control strategies. , 2016, , .		5
13	Trajectory tracking control of a stewart platform. , 2014, , .		4
14	Undetectable sensor and actuator attacks for observer based controlled Cyber-Physical Systems. , 2016, , .		4
15	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
16	Performance of PSO based classical and fractional PID controllers for an unmanned surface vehicle. , 2018, , .		4
17	Design of a fuzzy logic controller for a 2-DOF robot manipulator. , 2013, , .		3

An optimized fuzzy logic controller for a parallel mechanism rehabilitation robot. , 2015, , .

3

#	Article	IF	CITATIONS
19	A modified densenet approach with nearmiss for anomaly detection in industrial control systems. Multimedia Tools and Applications, 0, , 1.	3.9	3
20	Employing Equilibrium Optimizer in Two-Area Load Frequency Control for a TIDFF Controller Design. , 2022, , .		3
21	Optimized Control of a Parallel Mechanism Rehabilitation Robot. , 2014, , .		2
22	Parçacık Sürü Optimizasyonu Ayarlı Türev Etkisi Filtreli Bir PID Denetleyici için Hata Tabanlı ve Kulla Tanımlı Amaç Fonksiyonlarının Performans Analizi. Afyon Kocatepe University Journal of Sciences and Engineering, 2019, 19, 682-689.	anıcı 0.2	2
23	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
24	Fractional High-Order Differential Estimator and Feedback Controller Design for a Single-Input–Single-Output Affine Chaotic System. Journal of Computational and Nonlinear Dynamics, 2020, 15, .	1.2	1
25	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
26	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
27	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
28	Model Based Detection Scheme for Denial of Service Attack on Lane Keeping Assist System. , 2022, , .		1