

# Tugrul Oktay

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

540  
citations

759233

12  
h-index

794594

19  
g-index

53  
all docs

53  
docs citations

53  
times ranked

237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous autonomous system and powerplant design for morphing quadrotors. Aircraft Engineering and Aerospace Technology, 2022, 94, 1228-1241.	1.2	15
2	Stability Evaluation of a Fixed-Wing Unmanned Aerial Vehicle with Morphing Wingtip. Journal of Aviation, 2022, 6, 103-109.	0.5	1
3	Dört Rotorlu Hava Pervanesinde Uçuş Hızı ve Dönme Hızının Açma Katsayısına Gözere Etkilerinin Sayısal Araştırılması. Journal of Aviation, 2021, 5, 9-15.	0.5	6
4	Quadrotor Flight System Design using Collective and Differential Morphing with SPSA and ANN. International Journal of Intelligent Systems and Applications in Engineering, 2021, 9, 159-164.	1.5	7
5	Improvement of the thrust-torque ratio of an unmanned helicopter by using the ABC algorithm. Aircraft Engineering and Aerospace Technology, 2020, 92, 1133-1139.	1.2	7
6	Simultaneous quadrotor autopilot system and collective morphing system design. Aircraft Engineering and Aerospace Technology, 2020, 92, 1093-1100.	1.2	47
7	Quadrotorlarda Diferansiyel Morphing'in Etkisinin PID Algoritması Kullanılarak İncelenmesi. Journal of Aviation, 2020, 4, 15-21.	0.5	14
8	Quadrotorlarda Diferansiyel ve Kolektif Morphing ile Yanal Kontrol. Journal of Aviation, 2020, 4, 48-54.	0.5	4
9	Combined active flow and flight control systems design for morphing unmanned aerial vehicles. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 5393-5402.	1.3	5
10	Quadrotorlarda Yaw Hareketi İçin Zamanlı Olmayan Balıkçılık Tasarımı. Journal of Aviation, 2019, 3, 81-88.	0.5	9
11	Constrained control of helicopter vibration to reduce motion blur. Aircraft Engineering and Aerospace Technology, 2018, 90, 1326-1336.	1.2	2
12	Maximum lift/drag ratio improvement of UAVs via small aerodynamic modifications. Aircraft Engineering and Aerospace Technology, 2018, 90, 1438-1444.	1.2	5
13	Neural network based redesign of morphing UAV for simultaneous improvement of roll stability and maximum lift/drag ratio. Aircraft Engineering and Aerospace Technology, 2018, 90, 1203-1212.	1.2	19
14	Maximizing autonomous performance of fixed-wing unmanned aerial vehicle to reduce motion blur in taken images. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2018, 232, 857-868.	1.0	18
15	Redesign of Morphing UAV for Simultaneous Improvement of Directional Stability and Maximum Lift/ Drag Ratio. Advances in Electrical and Computer Engineering, 2018, 18, 57-62.	0.9	10
16	A simulation-based method using artificial neural networks for solving the inverse kinematic problem of articulated robots. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2017, 231, 470-479.	2.5	8
17	Output variance constrained bending control of rotating Euler-Bernoulli beam. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2017, 231, 202-211.	2.5	5
18	Effect of the Simultaneous Variation in Blade Root Chord Length and Blade Taper on Helicopter Flight Control Effort. International Journal of Aerospace Engineering, 2017, 2017, 1-8.	0.9	7

#	ARTICLE	IF	CITATIONS
19	En uygun gÃ¼yde sÃ¼rÃ¼kleme katsayÃ±sÃ± hesapÃ± iÃin yeni bir Ãrenme algoritmasÃ±. Sakarya University Journal of Science, 2017, 21, 63-63.	0.7	7
20	Lateral Autonomous Performance Maximization of Tactical Unmanned Aerial Vehicles by Integrated Passive and Active Morphing. International Journal of Advanced Research in Engineering, 2017, 3, 1.	0.2	7
21	Simultaneous Longitudinal and Lateral Flight Control Systems Design for Both Passive and Active Morphing TUA Vs. Elektronika Ir Elektrotehnika, 2017, 23, .	0.8	25
22	PID BASED HIERARCHICAL AUTONOMOUS SYSTEM PERFORMANCE MAXIMIZATION OF A HYBRID UNMANNED AERIAL VEHICLE (HUA V). Anadolu University Journal of Sciences & Technology, 2017, 18, 1-1.	0.2	7
23	Combined passive and active helicopter main rotor morphing for helicopter energy save. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 1511-1525.	1.6	27
24	Simultaneous small UAV and autopilot system design. Aircraft Engineering and Aerospace Technology, 2016, 88, 818-834.	1.2	26
25	Energy Saving via Integrated Passive and Active Morphing During Maneuvers. , 2016, , 297-312.		0
26	Helicopter Control Energy Reduction Using Moving Horizontal Tail. Scientific World Journal, The, 2015, 2015, 1-10.	2.1	8
27	Comfortable helicopter flight via passive/active morphing. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 2876-2886.	4.7	20
28	Combined outputs variance constrained and input variance constrained design for flight control. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 2196-2204.	1.3	3
29	Flight Control Energy Saving via Helicopter Rotor Active Morphing. Journal of Aircraft, 2014, 51, 1784-1804.	2.4	15
30	Performance of minimum energy controllers on tiltrotor aircraft. Aircraft Engineering and Aerospace Technology, 2014, 86, 361-374.	0.8	11
31	Constrained predictive control of helicopters. Aircraft Engineering and Aerospace Technology, 2013, 85, 32-47.	0.8	31
32	Robustness of variance constrained controllers for complex, control oriented helicopter models. , 2013, , .		4
33	Modeling and control of a helicopter slung-load system. Aerospace Science and Technology, 2013, 29, 206-222.	4.8	47
34	Variance-constrained control of maneuvering helicopters with sensor failure. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2013, 227, 1845-1858.	1.3	12
35	Simultaneous Helicopter and Control-System Design. Journal of Aircraft, 2013, 50, 911-925.	2.4	26
36	Integrated Maneuvering Helicopter Model and Controller Design. , 2012, , .		7

#	ARTICLE	IF	CITATIONS
37	Model Predictive Control of Maneuvering Helicopters. , 2012, , .		6
38	Hexarotor Longitudinal Flight Control with Deep Neural Network, PID Algorithm and Morphing. European Journal of Science and Technology, 0, , .	0.5	5
39	DÄŕner KanatlıÄ± Ä°nsansÄ±z Hava AracÄ±nÄ±n Sistem TasarÄ±mÄ± ve KontrolÄ±. European Journal of Science and Technology, 0, , .	0.5	2
40	Legal and Ethical Issues of Unmanned Aerial Vehicles. Journal of Aviation, 0, , .	0.5	4
41	Farklı UÄŖuÄŖ Durumlari İÄŖin Quadcopter Dinamik Modeli ve Simulasyonu. European Journal of Science and Technology, 0, , 132-142.	0.5	10
42	BaÄŖlangÄ±Ş y plus DeÄŖerinin Etkileri: İ³-Reİ, SST TÄŖrbÄŖlans Modeli KullanÄ±larak 3D NACA 4412 KanadÄ±nÄ±n SayÄ±sal Analizi. European Journal of Science and Technology, 0, , 692-702.	0.5	5
43	Anfis Based Thrust Estimation of a Small Rotary Wing Drone. European Journal of Science and Technology, 0, , 738-742.	0.5	2
44	Quadrotorlarda PID AlgoritmasÄ± Kullanarak Diferansiyel Morphingin YanlamasÄ±na UÄŖuÄŖ Ä°zerine Etkisinin Ä°ncelenmesi. European Journal of Science and Technology, 0, , 636-644.	0.5	6
45	HAVACILIK VE UZAY UYGULAMALARINDA ÄŖEKÄ°L HAFIZALI ALAÄŖİMLAR. Ä—mer Halisdemir Ä°niversitesi MÄŖhendislik Bilimleri Dergisi, 0, , 335-349.	0.5	0
46	Simultaneous Design of a Small UAV (Unmanned Aerial Vehicle) Flight Control System and Lateral State Space Model. Journal of Aviation, 0, , .	0.5	7
47	Unmanned Aerial Vehicles (UAVs) According to Engine Type. Journal of Aviation, 0, , .	0.5	6
48	Autonomous flight performance improvement of the morphing aerial robot by aerodynamic shape redesign. Sakarya University Journal of Science, 0, , 1-1.	0.7	0
49	Designing, Dynamic Modeling and Simulation of ISTECCOPTER. Journal of Aviation, 0, , .	0.5	5
50	Ä—zgÄŖn Trikopterin Ä—zellikleri ve DiÄŖer Ä°nsansÄ±z Hava AraÄŖlarÄ± ile KarÄŖÄ±laÄŖtÄ±rÄ±lmasÄ±. European Journal of Science and Technology, 0, , 816-825.	0.5	0
51	NACA 4412 KanadÄ± Ä°zerinde Bir Emme KanalÄ± TasarlanmasÄ±nÄ±n Aerodinamik Etkileri. European Journal of Science and Technology, 0, , 1001-1007.	0.5	2
52	BaÄŖkalaÄŖan Kanat Ucu TasarÄ±mÄ± ve AvantajlarÄ±. European Journal of Science and Technology, 0, , 606-610.	0.5	1
53	Combined Quadrotor Autopilot System and Differential Morphing System Design. Journal of Aviation, 0, , .	0.5	7