

# Huangchao Yu

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

470  
citations

933447

10  
h-index

940533

16  
g-index

23  
all docs

23  
docs citations

23  
times ranked

399  
citing authors

#	ARTICLE	IF	CITATIONS
1	From Demonstration to Flight: Realization of Autonomous Aerobatic Maneuvers for Fast, Miniature Fixed-Wing UAVs. IEEE Robotics and Automation Letters, 2022, 7, 5771-5778.	5.1	8
2	Dynamics Modeling and Optimization for the Tilting System of Unmanned Aerial Vehicles. , 2022, , .		0
3	Cross-Domain Intelligent Fault Diagnosis Method of Rotating Machinery Using Multi-Scale Transfer Fuzzy Entropy. IEEE Access, 2021, 9, 95481-95492.	4.2	6
4	Stress-constrained topology optimization for material extrusion polymer additive manufacturing. Journal of Computational Design and Engineering, 2021, 8, 979-993.	3.1	19
5	A Hybrid-Driven Optimization Framework for Fixed-Wing UAV Maneuvering Flight Planning. Electronics (Switzerland), 2021, 10, 2330.	3.1	6
6	An Adaptive Reference Vector Adjustment Strategy and Improved Angle-Penalized Value Method for RVEA. Complexity, 2021, 2021, 1-15.	1.6	2
7	Rotating machinery fault diagnosis based on convolutional neural network and infrared thermal imaging. Chinese Journal of Aeronautics, 2020, 33, 427-438.	5.3	114
8	Stress-constrained shell-lattice infill structural optimisation for additive manufacturing. Virtual and Physical Prototyping, 2020, 15, 35-48.	10.4	47
9	Dispersion characteristics of wave propagation in layered piezoelectric structures: Exact and simplified models. Wave Motion, 2020, 96, 102559.	2.0	6
10	Topology Optimization for Multipatch Fused Deposition Modeling 3D Printing. Applied Sciences (Switzerland), 2020, 10, 943.	2.5	15
11	A survey of design methods for material extrusion polymer 3D printing. Virtual and Physical Prototyping, 2020, 15, 148-162.	10.4	59
12	Self-Support Topology Optimization With Horizontal Overhangs for Additive Manufacturing. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2020, 142, .	2.2	22
13	Adaptive UAV maneuvering control system based on dynamic inversion and long-short-term memory network. , 2020, , .		1
14	Adaptive Incremental Nonlinear Dynamic Inversion Control Based on Neural Network for UAV Maneuver. , 2019, , .		8
15	A spherical conformal contact model considering frictional and microscopic factors based on fractal theory. Chaos, Solitons and Fractals, 2018, 111, 96-107.	5.1	28
16	Porous structure design through Blinn transformation-based level set method. Structural and Multidisciplinary Optimization, 2018, 57, 849-864.	3.5	11
17	Review on Dynamic Modeling of Tilt-Rotor UAVs in Low Speed Flight. , 2018, , .		4
18	Crack Imaging Using Time-Reversal Method Based on Piezoelectric Sensors. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Review of modeling and control in UAV autonomous maneuvering flight. , 2018, , .		11
20	Concurrent deposition path planning and structural topology optimization for additive manufacturing. Rapid Prototyping Journal, 2017, 23, 930-942.	3.2	64
21	Modelling and simulation of surface-bonded piezoelectric actuators with bending effects. Journal of Intelligent Material Systems and Structures, 2017, 28, 507-520.	2.5	14
22	Minimum void length scale control in level set topology optimization subject to machining radii. CAD Computer Aided Design, 2016, 81, 70-80.	2.7	25