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List of Publications by Year in descending order

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23
papers

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citations

1040056

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23
all docs

23
docs citations

23
times ranked

456
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-cost Multi-UAV Technologies for Contour Mapping of Nuclear Radiation Field. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 70, 401-410.	3.4	140
2	Roll-channel fractional order controller design for a small fixed-wing unmanned aerial vehicle. Control Engineering Practice, 2010, 18, 761-772.	5.5	82
3	A comparative evaluation of low-cost IMUs for unmanned autonomous systems. , 2010, , .		41
4	Control of a flexible rotor active magnetic bearing test rig: a characteristic model based all-coefficient adaptive control approach. Control Theory and Technology, 2014, 12, 1-12.	1.6	39
5	A rotor unbalance response based approach to the identification of the closed-loop stiffness and damping coefficients of active magnetic bearings. Mechanical Systems and Signal Processing, 2016, 66-67, 665-678.	8.0	38
6	Pitch Loop Control of a VTOL UAV Using Fractional Order Controller. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 73, 187-195.	3.4	33
7	A Data Fusion System for Attitude Estimation of Low-cost Miniature UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 65, 621-635.	3.4	28
8	Unbalance compensation for AMB systems with input delay: An output regulation approach. Control Engineering Practice, 2016, 46, 166-175.	5.5	18
9	A platform for analysis and control design: Emulation of energy storage flywheels on a rotor-AMB test rig. Mechatronics, 2016, 33, 146-160.	3.3	15
10	Cognitive Multi-UAV Formation Flight: Principle, Low-Cost UAV Testbed, Controller Tuning and Experiments. , 2011, , .		12
11	Active magnetic bearings used as exciters for rolling element bearing outer race defect diagnosis. ISA Transactions, 2016, 61, 221-228.	5.7	11
12	A two-stage calibration method for low-cost UAV attitude estimation using infrared sensor. , 2010, , .		10
13	Characteristic model based all-coefficient adaptive control of an AMB suspended energy storage flywheel test rig. Science China Information Sciences, 2018, 61, 1.	4.3	8
14	On robustness of an AMB suspended energy storage flywheel platform under characteristic model based all-coefficient adaptive control laws. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 120-130.	2.6	8
15	Improved Architecture Designs for a Low Cost Personal Remote Sensing Platform: Flight Control and Safety. , 2011, , .		7
16	Fractional order controller for pitch loop control of a VTOL UAV. , 2013, , .		6
17	Truncated Predictor Feedback Control for Active Magnetic Bearing Systems With Input Delay. IEEE Transactions on Control Systems Technology, 2016, 24, 2182-2189.	5.2	6
18	Autonomous Flying Under 500 USD Based on RC Aircraft. , 2011, , .		5

#	ARTICLE	IF	CITATIONS
19	Active Magnetic Bearing Rotor Model Updating Using Resonance and MAC Error. Shock and Vibration, 2015, 2015, 1-9.	0.6	4
20	Visual Attitude Estimation for Low-Cost Personal Remote Sensing Systems. , 2011, , .		2
21	Control of active magnetic bearing systems with input delay for applications in remotely controlled turbomachinery. , 2014, , .		2
22	An output regulation approach to rotor autobalancing in active magnetic bearing systems with input delay. , 2016, , .		2
23	Simulated Shock Train Control using an All-Coefficient Adaptive Control Approach. , 2019, , .		2