

Swee King Phang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

245
citations

10
h-index

14
g-index

46
ext. papers

347
ext. citations

3
avg, IF

2.97
L-index

#	Paper	IF	Citations
38	Systems design and implementation with jerk-optimized trajectory generation for UAV calligraphy. <i>Mechatronics</i> , 2015 , 30, 65-75	3	21
37	Systematic Design and Implementation of a Micro Unmanned Quadrotor System. <i>Unmanned Systems</i> , 2014 , 02, 121-141	3	21
36	Vision-Based Target Three-Dimensional Geolocation Using Unmanned Aerial Vehicles. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 8052-8061	8.9	18
35	A mono-camera and scanning laser range finder based UAV indoor navigation system 2013 ,		18
34	Design and mathematical modeling of a 4-standard-propeller (4SP) quadrotor 2012 ,		18
33	Development of an Unmanned Coaxial Rotorcraft for the DARPA UAVForge Challenge. <i>Unmanned Systems</i> , 2013 , 01, 211-245	3	16
32	Drones for cooperative search and rescue in post-disaster situation 2015 ,		15
31	System integration of a vision-guided UAV for autonomous landing on moving platform 2016 ,		13
30	High-Precision Multi-UAV Teaming for the First Outdoor Night Show in Singapore. <i>Unmanned Systems</i> , 2018 , 06, 39-65	3	12
29	Search and Rescue Using Multiple Drones in Post-Disaster Situation. <i>Unmanned Systems</i> , 2016 , 04, 83-96	3	11
28	An efficient UAV navigation solution for confined but partially known indoor environments 2014 ,		10
27	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2019 , 55, 2382-2394	3.7	9
26	Development of an Unmanned Helicopter for Vertical Replenishment. <i>Unmanned Systems</i> , 2015 , 03, 63-87		7
25	Guidance, navigation and control of an unmanned helicopter for automatic cargo transportation 2014 ,		7
24	Platform design and mathematical modeling of an ultralight quadrotor micro aerial vehicle 2013 ,		7
23	DF-WiSLR: Device-Free Wi-Fi-based Sign Language Recognition. <i>Pervasive and Mobile Computing</i> , 2020 , 69, 101289	3.5	5
22	Vision-aided tracking of a moving ground vehicle with a hybrid UAV 2017 ,		4

21	Higher Order Feature Extraction and Selection for Robust Human Gesture Recognition using CSI of COTS Wi-Fi Devices. <i>Sensors</i> , 2019 , 19,	3.8	3
20	UAV calligraphy 2014 ,		3
19	Autonomous Mini-UAV for indoor flight with embedded on-board vision processing as navigation system 2010 ,		3
18	System Integration of a Vision-Guided UAV for Autonomous Tracking on Moving Platform in Low Illumination Condition		3
17	Nonlinear Flight Control Design for Maneuvering Flight of Quadrotors in High Speed and Large Acceleration 2018 ,		3
16	Systematic Design Methodology and Construction of Micro Aerial Quadrotor Vehicles 2015 , 181-206		2
15	Optimized autonomous UAV design with obstacle avoidance capability 2020 ,		2
14	DESIGN AND CONSTRUCTION METHODOLOGY OF AN INDOOR UAV SYSTEM WITH EMBEDDED VISION. <i>Control and Intelligent Systems</i> , 2012 , 40,		2
13	Application of Steady-State Integral Proportional Integral Controller for Inner Dynamics Control Loop of Multi-rotor UAVs 2018 ,		2
12	Improving aerodynamic efficiency of a Skywalker drone 2020 ,		1
11	Classification of meditation states through EEG: A method using discrete wavelet transform 2020 ,		1
10	Optimized autonomous UAV design for duration enhancement 2020 ,		1
9	Real-Time Landing Spot Detection and Pose Estimation on Thermal Images Using Convolutional Neural Networks 2018 ,		1
8	Explicit model identification and control of a micro aerial vehicle 2014 ,		1
7	Formation flight of unmanned rotorcraft based on robust and perfect tracking approach 2012 ,		1
6	Nonlinear modeling of a miniature fixed-pitch coaxial UAV 2012 ,		1
5	Development of simultaneous localization and mapping algorithm using optical sensor for multi-rotor UAV 2020 ,		1
4	Autonomous Ledge Detection and Landing with Multi-rotor UAV 2018 ,		1

3	Design and Implementation of an Agricultural UAV With Optimized Spraying Mechanism. <i>MATEC Web of Conferences</i> , 2021 , 335, 02002	0.3	0
2	Development of an Unconventional Unmanned Coaxial Rotorcraft: GremLion. <i>Lecture Notes in Computer Science</i> , 2013 , 120-129	0.9	
1	COAA* [An Optimized Obstacle Avoidance and Navigational Algorithm for UAVs Operating in Partially Observable 2D Environments. <i>Unmanned Systems</i> ,1-16	3	