

# Sungwook Cho

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6432710/publications.pdf>

Version: 2024-02-01

20  
papers

149  
citations

1478505

6  
h-index

1281871

11  
g-index

20  
all docs

20  
docs citations

20  
times ranked

139  
citing authors

#	ARTICLE	IF	CITATIONS
1	A direct visual servoing-based framework for the 2016 IROS Autonomous Drone Racing Challenge. Journal of Field Robotics, 2018, 35, 146-166.	6.0	44
2	Vision-based sense-and-avoid framework for unmanned aerial vehicles. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 3427-3439.	4.7	19
3	Vision-Based Detection and Tracking of Airborne Obstacles in a Cluttered Environment. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 69, 475-488.	3.4	18
4	A trajectory-tracking controller design using $L_1$ adaptive control for multi-rotor UAVs. , 2015, , .		9
5	Aircraft Detection using Deep Convolutional Neural Network in Small Unmanned Aircraft Systems. , 2018, , .		7
6	Development of a Cooperative Heterogeneous Unmanned System for Delivery Services. Journal of Institute of Control, Robotics and Systems, 2014, 20, 1181-1188.	0.2	7
7	Development of a Vision-enabled Aerial Manipulator using a Parallel Robot. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2017, 15, a27-a36.	0.2	6
8	A mission management system for complex aerial logistics by multiple unmanned aerial vehicles in MBZIRC 2017. Journal of Field Robotics, 2019, 36, 919-939.	6.0	6
9	Visual Detection and Servoing for Automated Docking of Unmanned Spacecraft. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2014, 12, a107-a116.	0.2	5
10	Aircraft Detection using Deep Convolutional Neural Network-based Semantic Segmentation. Journal of Institute of Control, Robotics and Systems, 2017, 23, 625-634.	0.2	5
11	Sampling-Based Visual Path Planning Framework for a Multirotor UAV. International Journal of Aeronautical and Space Sciences, 2019, 20, 732-760.	2.0	4
12	An image processing algorithm for detection and tracking of aerial vehicles. , 2011, , .		3
13	A Robot-Machine Interface for full-functionality automation using a humanoid. , 2014, , .		3
14	Image-based Visual Servoing Framework for a Multirotor UAV using Sampling-based Path Planning. , 2015, , .		3
15	Development of Mini Quadrotor Platform and Experiments on Outdoor Autonomous Swarming Flight. Journal of Institute of Control, Robotics and Systems, 2017, 23, 905-911.	0.2	3
16	Particle Filter-based Visual Detection of Approaching Aircraft in Complex Background Images. , 2012, , .		2
17	Gaussian Process-based Visual Servoing Framework for an Aerial Parallel Manipulator. , 2017, , .		2
18	Visual servoing framework using Gaussian process for an aerial parallel manipulator. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Aerospace Engineering, 2019, 233, 3408-3425.	1.3	1

#	ARTICLE	IF	CITATIONS
19	Automatic Clustering for Precision Reconnaissance and Surveillance. Journal of Institute of Control, Robotics and Systems, 2017, 23, 89-95.	0.2	1
20	Semantic Segmentation-based Vision-enabled Safe Landing Position Estimation Framework. , 2022, , .		1