

# Jia-Ying Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6179900/publications.pdf>

Version: 2024-02-01

15  
papers

116  
citations

1684188

5  
h-index

1720034

7  
g-index

15  
all docs

15  
docs citations

15  
times ranked

133  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Wind Estimation Method with an Unmanned Rotorcraft for Environmental Monitoring Tasks. <i>Sensors</i> , 2018, 18, 4504.	3.8	29
2	Simulate the aerodynamic olfactory effects of gas-sensitive UAVs: A numerical model and its parallel implementation. <i>Advances in Engineering Software</i> , 2016, 102, 123-133.	3.8	24
3	Distributed Sequential Location Estimation of a Gas Source via Convex Combination in WSNs. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2016, 65, 1484-1494.	4.7	13
4	A Flying Odor Compass to Autonomously Locate the Gas Source. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017, , 1-13.	4.7	13
5	A multiple-fan active control wind tunnel for outdoor wind speed and direction simulation. <i>Review of Scientific Instruments</i> , 2018, 89, 035108.	1.3	10
6	Community structure detection in complex networks for characterizing atmospheric boundary-layer wind speed time series. , 2016, , .		6
7	An Infotaxis-based Odor Source Searching Strategy for a Mobile Robot Equipped with a TDLAS Gas Sensor. , 2019, , .		6
8	Learning to Rapidly Re-Contact the Lost Plume in Chemical Plume Tracing. <i>Sensors</i> , 2015, 15, 7512-7536.	3.8	5
9	An Aero-olfactory-Effect Elimination Algorithm for Rotor UAV based Gas Distribution Mapping. , 2020, , .		3
10	Experimental Verification of an Aerodynamic Olfactory Effect Model for the Simulation of Gas-Sensitive Rotorcrafts. , 2018, , .		2
11	Latticed mode: A new control strategy for wind field simulation in a multiple-fan wind tunnel. <i>Review of Scientific Instruments</i> , 2019, 90, 085104.	1.3	2
12	Multivariate order recurrence network for analyzing cross-correlation of the wind field and the gas concentration field. , 2016, , .		1
13	Comparison of complexity between indoor and outdoor wind speed time series. , 2016, , .		1
14	A novel indoor smell regulation method. <i>AIP Advances</i> , 2020, 10, 105226.	1.3	1
15	Superfamilies of networks for analyzing the correlations of different flow fields. , 2016, , .		0