

# Floris van Breugel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/736154/publications.pdf>

Version: 2024-02-01

14  
papers

926  
citations

1040056

9  
h-index

1199594

12  
g-index

16  
all docs

16  
docs citations

16  
times ranked

881  
citing authors

#	ARTICLE	IF	CITATIONS
1	PyNumDiff: A Python package for numerical differentiation of noisy time-series data. Journal of Open Source Software, 2022, 7, 4078.	4.6	10
2	The long-distance flight behavior of <i>Drosophila</i> supports an agent-based model for wind-assisted dispersal in insects. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	52
3	Correlated decision making across multiple phases of olfactory-guided search in <i>Drosophila</i> improves search efficiency. Journal of Experimental Biology, 2021, 224, .	1.7	3
4	Insect inspired vision-based velocity estimation through spatial pooling of optic flow during linear motion. Bioinspiration and Biomimetics, 2021, 16, 066004.	2.9	8
5	A Nonlinear Observability Analysis of Ambient Wind Estimation with Uncalibrated Sensors, Inspired by Insect Neural Encoding. , 2021, , .		6
6	Numerical Differentiation of Noisy Data: A Unifying Multi-Objective Optimization Framework. IEEE Access, 2020, 8, 196865-196877.	4.2	44
7	Upwind Detection of Ambient Wind Using Biomimetic Antenna Sensors for Aerial Vehicles through Active Sensing. , 2020, , .		2
8	Visual-Olfactory Integration in the Human Disease Vector Mosquito <i>Aedes aegypti</i> . Current Biology, 2019, 29, 2509-2516.e5.	3.9	64
9	Distinct activity-gated pathways mediate attraction and aversion to CO <sub>2</sub> in <i>Drosophila</i> . Nature, 2018, 564, 420-424.	27.8	75
10	History dependence in insect flight decisions during odor tracking. PLoS Computational Biology, 2018, 14, e1005969.	3.2	47
11	Mosquitoes Use Vision to Associate Odor Plumes with Thermal Targets. Current Biology, 2015, 25, 2123-2129.	3.9	235
12	Monocular distance estimation from optic flow during active landing maneuvers. Bioinspiration and Biomimetics, 2014, 9, 025002.	2.9	49
13	Plume-Tracking Behavior of Flying <i>Drosophila</i> Emerges from a Set of Distinct Sensory-Motor Reflexes. Current Biology, 2014, 24, 274-286.	3.9	186
14	The visual control of landing and obstacle avoidance in the fruit fly <i>Drosophila melanogaster</i> . Journal of Experimental Biology, 2012, 215, 1783-1798.	1.7	144