

# Michael Sinhuber

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5273882/publications.pdf>

Version: 2024-02-01

16  
papers

364  
citations

840119

11  
h-index

940134

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

278  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decay of Turbulence at High Reynolds Numbers. <i>Physical Review Letters</i> , 2015, 114, 034501.	2.9	63
2	Phase Coexistence in Insect Swarms. <i>Physical Review Letters</i> , 2017, 119, 178003.	2.9	46
3	Variable density turbulence tunnel facility. <i>Review of Scientific Instruments</i> , 2014, 85, 093908.	0.6	45
4	Mechanical spectroscopy of insect swarms. <i>Science Advances</i> , 2019, 5, eaaw9305.	4.7	33
5	Are midge swarms bound together by an effective velocity-dependent gravity?. <i>European Physical Journal E</i> , 2017, 40, 46.	0.7	27
6	Environmental perturbations induce correlations in midge swarms. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200018.	1.5	25
7	Three-dimensional time-resolved trajectories from laboratory insect swarms. <i>Scientific Data</i> , 2019, 6, .	2.4	25
8	Dissipative Effects on Inertial-Range Statistics at High Reynolds Numbers. <i>Physical Review Letters</i> , 2017, 119, 134502.	2.9	24
9	Investigation of the small-scale statistics of turbulence in the Modane S1MA wind tunnel. <i>CEAS Aeronautical Journal</i> , 2018, 9, 269-281.	0.9	20
10	Response of insect swarms to dynamic illumination perturbations. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20180739.	1.5	20
11	An equation of state for insect swarms. <i>Scientific Reports</i> , 2021, 11, 3773.	1.6	14
12	Reynolds Number Dependence of the Structure Functions in Homogeneous Turbulence. <i>Journal of Nonlinear Science</i> , 2020, 30, 1081-1114.	1.0	7
13	Similarities between insect swarms and isothermal globular clusters. <i>Physical Review Research</i> , 2020, 2, .	1.3	6
14	Multi-level stochastic refinement for complex time series and fields: a data-driven approach. <i>New Journal of Physics</i> , 2021, 23, 063063.	1.2	5
15	Pair formation in insect swarms driven by adaptive long-range interactions. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200367.	1.5	2
16	Probing the strain-rotation balance in non-Newtonian turbulence with inertial particles. <i>Physical Review Fluids</i> , 2018, 3, .	1.0	2