

# Michael Heisel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4406930/publications.pdf>

Version: 2024-02-01

13  
papers

185  
citations

1162367

8  
h-index

1199166

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

176  
citing authors

#	ARTICLE	IF	CITATIONS
1	The spatial structure of the logarithmic region in very-high-Reynolds-number rough wall turbulent boundary layers. <i>Journal of Fluid Mechanics</i> , 2018, 857, 704-747.	1.4	42
2	The spectral signature of wind turbine wake meandering: A wind tunnel and field-scale study. <i>Wind Energy</i> , 2018, 21, 715-731.	1.9	36
3	Predictive model for local scour downstream of hydrokinetic turbines in erodible channels. <i>Physical Review Fluids</i> , 2018, 3, .	1.0	20
4	On the mixing length eddies and logarithmic mean velocity profile in wall turbulence. <i>Journal of Fluid Mechanics</i> , 2020, 887, .	1.4	19
5	Settling and clustering of snow particles in atmospheric turbulence. <i>Journal of Fluid Mechanics</i> , 2021, 912, .	1.4	19
6	Velocity asymmetry and turbulent transport closure in smooth- and rough-wall boundary layers. <i>Physical Review Fluids</i> , 2020, 5, .	1.0	13
7	A Mixed Length Scale Model for Migrating Fluvial Bedforms. <i>Geophysical Research Letters</i> , 2020, 47, e10.1029/2019GL086625.	1.5	12
8	Prograde vortices, internal shear layers and the Taylor microscale in high-Reynolds-number turbulent boundary layers. <i>Journal of Fluid Mechanics</i> , 2021, 920, .	1.4	8
9	Self-similar geometries within the inertial subrange of scales in boundary layer turbulence. <i>Journal of Fluid Mechanics</i> , 2022, 942, .	1.4	5
10	Reducing wind-induced vibrations of road sign structures through aerodynamic modifications: A computational pilot study for a practical example. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020, 199, 104132.	1.7	4
11	Gentle Topography Increases Vertical Transport of Coarse Dust by Orders of Magnitude. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034564.	1.2	4
12	Effect of finite Reynolds number on self-similar crossing statistics and fractal measurements in turbulence. <i>Physical Review Fluids</i> , 2022, 7, .	1.0	3
13	Aerodynamics of Highway Sign Structures: From Laboratory Tests and Field Monitoring to Structural Design Guidelines. <i>Journal of Structural Engineering</i> , 2020, 146, 04020233.	1.7	0