

# Xiaowei Jin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3868040/publications.pdf>

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6  
papers

692  
citations

1684188

5  
h-index

1872680

6  
g-index

6  
all docs

6  
docs citations

6  
times ranked

364  
citing authors

#	ARTICLE	IF	CITATIONS
1	NSFnets (Navier-Stokes flow nets): Physics-informed neural networks for the incompressible Navier-Stokes equations. <i>Journal of Computational Physics</i> , 2021, 426, 109951.	3.8	386
2	Prediction model of velocity field around circular cylinder over various Reynolds numbers by fusion convolutional neural networks based on pressure on the cylinder. <i>Physics of Fluids</i> , 2018, 30, .	4.0	202
3	Time-resolved reconstruction of flow field around a circular cylinder by recurrent neural networks based on non-time-resolved particle image velocimetry measurements. <i>Experiments in Fluids</i> , 2020, 61, 1.	2.4	34
4	A novel long short-term memory neural-network-based self-excited force model of limit cycle oscillations of nonlinear flutter for various aerodynamic configurations. <i>Nonlinear Dynamics</i> , 2020, 100, 2071-2087.	5.2	34
5	General solutions for nonlinear differential equations: a rule-based self-learning approach using deep reinforcement learning. <i>Computational Mechanics</i> , 2019, 64, 1361-1374.	4.0	31
6	Machine learning modeling for the near-wake mean velocity deficit profiles behind a rough circular cylinder. <i>Ocean Engineering</i> , 2022, 259, 111791.	4.3	5