

# Henryk Kudela

## List of Publications by Year in descending order

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13  
papers

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citations

1684188  
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1588992  
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all docs

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docs citations

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times ranked

44  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transitions in the vortex wake behind the plunging profile. Fluid Dynamics Research, 2014, 46, 061406.	1.3	13
2	Parallel computations on GPU in 3D using the vortex particle method. Computers and Fluids, 2013, 80, 423-428.	2.5	12
3	Collapse of $n$ -point vortices in self-similar motion. Fluid Dynamics Research, 2014, 46, 031414.	1.3	12
4	Self-Similar Collapse of $n$ Point Vortices. Journal of Nonlinear Science, 2014, 24, 913-933.	2.1	8
5	Vortex Trapping Cavity on Airfoil: High-Order Penalized Vortex Method Numerical Simulation and Water Tunnel Experimental Investigation. Energies, 2021, 14, 8402.	3.1	8
6	Collapse of $n$ Point Vortices, Formation of the Vortex Sheets and Transport of Passive Markers. Energies, 2021, 14, 943.	3.1	3
7	Parallel Computation of Vortex Tube Reconnection Using a Graphics Card and the 3D Vortex "Cell Method. Procedia IUTAM, 2013, 7, 59-66.	1.2	2
8	The 3D vortex particle method in parallel computations on many GPUs. Computers and Fluids, 2014, 92, 274-280.	2.5	2
9	Numerical study of the vortex tube reconnection using vortex particle method on many graphics cards. Journal of Physics: Conference Series, 2014, 530, 012021.	0.4	2
10	Modeling vortex rings dynamics with vortex in cell method. Journal of Physics: Conference Series, 2011, 318, 062014.	0.4	1
11	Vortex particle method in parallel computations on graphical processing units used in study of the evolution of vortex structures. Fluid Dynamics Research, 2014, 46, 061414.	1.3	0
12	Hydrodynamic lift force generated on the accelerated profile. Journal of Physics: Conference Series, 2014, 530, 012017.	0.4	0
13	Collapse of $n$ -vortices, vortex sheets and coherent structures. AIP Conference Proceedings, 2020, , .	0.4	0