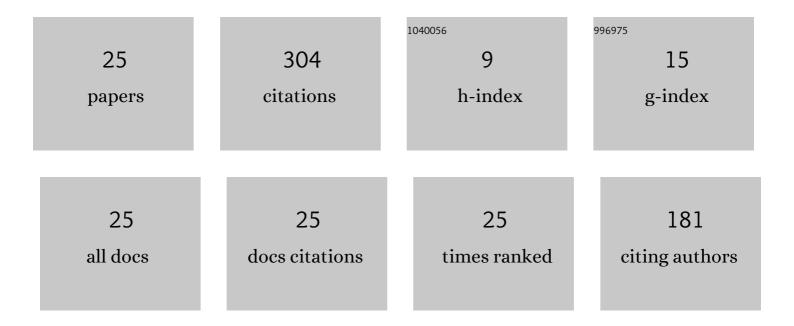
Alessio Castorrini

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8026454/publications.pdf

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#	Article	IF	CITATIONS
1	Computational analysis of wind-turbine blade rain erosion. Computers and Fluids, 2016, 141, 175-183.	2.5	61
2	A stabilized ALE method for computational fluid–structure interaction analysis of passive morphing in turbomachinery. Mathematical Models and Methods in Applied Sciences, 2019, 29, 967-994.	3.3	40
3	Computational analysis of performance deterioration of a wind turbine blade strip subjected to environmental erosion. Computational Mechanics, 2019, 64, 1133-1153.	4.0	37
4	Machine learning-enabled prediction of wind turbine energy yield losses due to general blade leading edge erosion. Energy Conversion and Management, 2021, 245, 114567.	9.2	26
5	Increasing spatial resolution of wind resource prediction using NWP and RANS simulation. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 210, 104499.	3.9	20
6	Modeling of Rain Drop Erosion in a Multi-MW Wind Turbine. , 2015, , .		18
7	Numerical characterization of helicopter noise hemispheres. Aerospace Science and Technology, 2016, 52, 18-28.	4.8	16
8	SUPG/PSPG Computational Analysis of Rain Erosion in Wind-Turbine Blades. Modeling and Simulation in Science, Engineering and Technology, 2016, , 77-96.	0.6	14
9	Numerical Simulation of the Blade Aging Process in an Induced Draft Fan Due to Long Time Exposition to Fly Ash Particles. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	13
10	Experimentally validated threeâ€dimensional computational aerodynamics of wind turbine blade sections featuring leading edge erosion cavities. Wind Energy, 2022, 25, 168-189.	4.2	12
11	Computational analysis of particle-laden-airflow erosion and experimental verification. Computational Mechanics, 2020, 65, 1549-1565.	4.0	11
12	Numerical Simulation With Adaptive Boundary Method for Predicting Time Evolution of Erosion Processes. , 2017, , .		8
13	Machine learnt prediction method for rain erosion damage on wind turbine blades. Wind Energy, 2021, 24, 917-934.	4.2	8
14	Simulation of the Deposit Evolution on a Fan Blade for Tunnel Ventilation. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	1.1	4
15	Multi-scale Navier-Stokes analysis of geometrically resolved erosion of wind turbine blade leading edges. Journal of Physics: Conference Series, 2022, 2265, 032102.	0.4	4
16	Numerical Testing of a Trailing Edge Passive Morphing Control for Large Axial Fan Blades. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	1.1	2
17	Numerical Simulation of the Blade Aging Process in an Induced Draft Fan due to Long Time Exposition to Fly Ash Particles. , 2018, , .		2
18	Machine Learning Aided Prediction of Rain Erosion Damage on Wind Turbine Blade Sections. , 2021, , .		2

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#	Article	IF	CITATIONS
19	Unsteady Flow Simulation of an Axial Fan for Dry Cooling in a CSP Plant Using the Variational Multiscale Method. , 2020, , .		2
20	FSI analysis and simulation of flexible blades in a Wells turbine for wave energy conversion. E3S Web of Conferences, 2020, 197, 11008.	0.5	1
21	Simulation of the Deposit Evolution on a Fan Blade for Tunnel Ventilation. , 2019, , .		1
22	Structural Analysis of a Gas Turbine Axial Compressor Blade Eroded by Online Water Washing. , 2020, ,		1
23	MORPHING OF REVERSIBLE AXIAL FAN BLADE: A FSI-FEM STUDY. Journal of Turbomachinery, 0, , 1-9.	1.7	1
24	Morphing of Reversible Axial Fan Blade: A FSI-FEM Study. , 2021, , .		0
25	Integration of Computational Fluid-Particle Dynamics Techniques for the Instantaneous Estimation of Particle Erosion Damage on Axial Fan Blade Sections. , 2020, , .		0