

Yasin Toparlar

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,264
citations

623734

14
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

1006
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on the CFD analysis of urban microclimate. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 1613-1640.	16.4	398
2	CFD simulation and validation of urban microclimate: A case study for Bergpolder Zuid, Rotterdam. <i>Building and Environment</i> , 2015, 83, 79-90.	6.9	220
3	Aerodynamic drag in cycling pelotons: New insights by CFD simulation and wind tunnel testing. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 179, 319-337.	3.9	112
4	Impact of urban microclimate on summertime building cooling demand: A parametric analysis for Antwerp, Belgium. <i>Applied Energy</i> , 2018, 228, 852-872.	10.1	75
5	Simulating the cooling effects of water spray systems in urban landscapes: A computational fluid dynamics study in Rotterdam, The Netherlands. <i>Landscape and Urban Planning</i> , 2017, 159, 85-100.	7.5	72
6	A following car influences cyclist drag: CFD simulations and wind tunnel measurements. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2015, 145, 178-186.	3.9	60
7	Aerodynamic benefit for a cyclist by a following motorcycle. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2016, 155, 1-10.	3.9	50
8	The effect of an urban park on the microclimate in its vicinity: a case study for Antwerp, Belgium. <i>International Journal of Climatology</i> , 2018, 38, e303.	3.5	48
9	Aerodynamic drag in cycling team time trials. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 182, 128-145.	3.9	45
10	Aerodynamic analysis of different cyclist hill descent positions. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 181, 27-45.	3.9	44
11	Improving CFD prediction of drag on Paralympic tandem athletes: influence of grid resolution and turbulence model. <i>Sports Engineering</i> , 2018, 21, 123-135.	1.1	29
12	Analysis of crosswind aerodynamics for competitive hand-cycling. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 180, 182-190.	3.9	24
13	Aerodynamic drag in competitive tandem para-cycling: Road race versus time-trial positions. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 179, 92-101.	3.9	21
14	CFD simulation of the near-neutral atmospheric boundary layer: New temperature inlet profile consistent with wall functions. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2019, 191, 91-102.	3.9	18
15	CFD analysis of an exceptional cyclist sprint position. <i>Sports Engineering</i> , 2019, 22, 1.	1.1	14
16	The impact of arm-crank position on the drag of a paralympic hand-cyclist. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2019, 22, 386-395.	1.6	12
17	On the effects of crosswinds in tandem aerodynamics: An experimental and computational study. <i>European Journal of Mechanics, B/Fluids</i> , 2019, 74, 68-80.	2.5	12
18	Impact of pilot and stoker torso angles in tandem para-cycling aerodynamics. <i>Sports Engineering</i> , 2019, 22, 1.	1.1	6

#	ARTICLE	IF	CITATIONS
19	Aerodynamics analysis of wheel configurations in Paralympic hand-cycling: A computational study. European Journal of Mechanics, B/Fluids, 2019, 76, 50-65.	2.5	4
20	Computational fluid dynamics analysis of hand-cycle aerodynamics with static wheels: Sensitivity analyses and impact of wheel selection. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2019, , 175433711985348.	0.7	0