

Sungchan Hong

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

209
citations

1040056

9
h-index

1058476

14
g-index

25
all docs

25
docs citations

25
times ranked

62
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of panel shape of soccer ball on its flight characteristics. Scientific Reports, 2014, 4, 5068.	3.3	30
2	Unsteady aerodynamic force on a knuckleball in soccer. Procedia Engineering, 2010, 2, 2455-2460.	1.2	27
3	A comparison of Jabulani and Brazuca non-spin aerodynamics. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2014, 228, 188-194.	0.7	21
4	Visualization of air flow around soccer ball using a particle image velocimetry. Scientific Reports, 2015, 5, 15108.	3.3	21
5	Wind-tunnel Experiments and Trajectory Analyses for Five Nonspinning Soccer Balls. Procedia Engineering, 2016, 147, 32-37.	1.2	15
6	Ball impact dynamics of knuckling shot in soccer. Procedia Engineering, 2012, 34, 200-205.	1.2	14
7	Aerodynamic effects of dimples on soccer ball surfaces. Heliyon, 2017, 3, e00432.	3.2	14
8	Aerodynamic and surface comparisons between Telstar 18 and Brazuca. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2018, 232, 342-348.	0.7	14
9	Effect of seam characteristics on critical Reynolds number in footballs. Mechanical Engineering Journal, 2018, 5, 17-00369-17-00369.	0.4	12
10	Effect of a soccer ball's seam geometry on its aerodynamics and trajectory. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2020, 234, 19-29.	0.7	7
11	Effect of a soccer ball's surface texture on its aerodynamics and trajectory. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2019, 233, 67-74.	0.7	6
12	Surface Patterns for Drag Modification in Volleyballs. Applied Sciences (Switzerland), 2019, 9, 4007.	2.5	5
13	Flow Visualization of Spinning and Nonspinning Soccer Balls Using Computational Fluid Dynamics. Applied Sciences (Switzerland), 2020, 10, 4543.	2.5	5
14	Aerodynamic Characteristics of New Volleyball for the 2020 Tokyo Olympics. Applied Sciences (Switzerland), 2020, 10, 3256.	2.5	3
15	Aerodynamics of Cycling Skinsuits Focused on the Surface Shape of the Arms. Applied Sciences (Switzerland), 2021, 11, 2200.	2.5	3
16	Impact Points and Their Effect on Trajectory in Soccer. Proceedings (mdpi), 2018, 2, 235.	0.2	2
17	Effect of Surface Groove Structure on the Aerodynamics of Soccer Balls. Applied Sciences (Switzerland), 2020, 10, 5877.	2.5	2
18	Influence of Surface Properties on Soccer Ball Trajectories. Proceedings (mdpi), 2020, 49, 143.	0.2	2

#	ARTICLE	IF	CITATIONS
19	Aerodynamics of the newly approved football for the English Premier League 2020â€“21 season. Scientific Reports, 2021, 11, 9578.	3.3	2
20	Flow Visualisation around Spinning and Non-Spinning Soccer Balls Using the Lattice Boltzmann Method. Proceedings (mdpi), 2018, 2, 237.	0.2	1
21	Measurements of the Flight Trajectory of a Spinning Soccer Ball and the Magnus Force Acting on It. Proceedings (mdpi), 2020, 49, 88.	0.2	1
22	Aerodynamic Differences between New and Used Soccer Balls. Applied Sciences (Switzerland), 2021, 11, 7204.	2.5	1
23	Visualization of Ball Kicking in Soccer. Journal of the Visualization Society of Japan, 2020, 40, 2-5.	0.0	1
24	Comparison of Biomechanical Factors among Straight, Curve and Knuckle Kicking Motions in Soccer. Proceedings (mdpi), 2020, 49, .	0.2	0
25	Features of ball impact in straight, curve and knuckle kicks in soccer. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 0, , 175433712211012.	0.7	0