David Eager

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8103577/publications.pdf

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41	663	567281 15	610901 24
papers	citations	h-index	g-index

42	42	42	538
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Beyond velocity and acceleration: jerk, snap and higher derivatives. European Journal of Physics, 2016, 37, 065008.	0.6	125
2	Risk, challenge and safety: implications for play quality and playground design. European Early Childhood Education Research Journal, 2010, 18, 497-513.	1.9	85
3	A pilot study of sound levels in an Australian adult general intensive care unit. Noise and Health, 2010, 12, 26.	0.5	56
4	Australian trampoline injury patterns and trends. Australian and New Zealand Journal of Public Health, 2015, 39, 491-494.	1.8	35
5	Effectiveness of pads and enclosures as safety interventions on consumer trampolines. Injury Prevention, 2010, 16, 185-189.	2.4	28
6	Improving crossâ€ƈompany project management performance with a collaborative project scorecard. International Journal of Managing Projects in Business, 2008, 1, 368-386.	2.5	25
7	Falls from playground equipment: will the new Australian playground safety standard make a difference and how will we tell?. Health Promotion Journal of Australia, 2007, 18, 98-104.	1.2	24
8	Jerk within the Context of Science and Engineeringâ€”A Systematic Review. Vibration, 2020, 3, 371-409.	1.9	24
9	Velocity, acceleration, jerk, snap and vibration: forces in our bodies during a roller coaster ride. Physics Education, 2020, 55, 065012.	0.5	21
10	Collaborative and crossâ€ƈompany project management within the automotive industry using the Balanced Scorecard. International Journal of Managing Projects in Business, 2010, 3, 328-337.	2.5	19
11	Evaluating Martial Arts Punching Kinematics Using a Vision and Inertial Sensing System. Sensors, 2021, 21, 1948.	3.8	19
12	Not all risk is bad, playgrounds as a learning environment for children. International Journal of Injury Control and Safety Promotion, 2006, 13, 122-124.	2.0	18
13	Optical flow based analyses to detect emotion from human facial image data. Expert Systems With Applications, 2010, 37, 8897-8902.	7.6	18
14	Increasing injuries as trampoline parks expand within Australia: a call for mandatory standards. Australian and New Zealand Journal of Public Health, 2018, 42, 153-156.	1.8	16
15	Free fall and harmonic oscillations: analyzing trampoline jumps. Physics Education, 2015, 50, 64-70.	0.5	15
16	Influence of voluntary standards and design modifications on trampoline injury in Victoria, Australia. Injury Prevention, 2015, 21, 314-319.	2.4	13
17	Analysis of Agile Canine Gait Characteristics Using Accelerometry. Sensors, 2019, 19, 4379.	3.8	13
18	Mechanisms of Head and Neck Injuries Sustained by Helmeted Motorcyclists in Fatal Real-World Crashes: Analysis of 47 In-Depth Cases. Journal of Neurotrauma, 2016, 33, 1802-1807.	3.4	11

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19	Survey of injury sources for a trampoline with equipment hazards designed out. Journal of Paediatrics and Child Health, 2012, 48, 577-581.	0.8	9
20	Full-face motorcycle helmet protection from facial impacts: an investigation using THOR dummy impacts and SIMon finite element head model. Injury Prevention, 2017, 23, 205-210.	2.4	9
21	The relationship between compression garments and electrocardiogram signals during exercise and recovery phase. BioMedical Engineering OnLine, 2019, 18, 27.	2.7	9
22	Dynamic Behaviour of High Performance of Sand Surfaces Used in the Sports Industry. Vibration, 2020, 3, 410-424.	1.9	8
23	Additional Injury Prevention Criteria for Impact Attenuation Surfacing Within Children's Playgrounds. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2019, 5, .	1.1	7
24	The effects of surface compliance on greyhound galloping dynamics. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2019, 233, 1033-1043.	0.8	7
25	Greyhound racing ideal trajectory path generation for straight to bend based on jerk rate minimization. Scientific Reports, 2020, 10, 7088.	3.3	6
26	Analysis of Energy Flow During Playground Surface Impacts. Journal of Applied Biomechanics, 2013, 29, 628-633.	0.8	5
27	Response of a full-face motorcycle helmet FE model to the UNECE 22.05 chin bar impact test. International Journal of Crashworthiness, 2016, 21, 555-565.	1.9	4
28	Impulse Force as an Additional Safety Criterion for Improving the Injury Prevention Performance of Impact Attenuation Surfaces in Childrenâ€™s Playgrounds. , 2016, , .		4
29	Analysis of Racing Greyhound Path Following Dynamics Using a Tracking System. Animals, 2021, 11, 2687.	2.3	4
30	A Measurement of â€˜Walking-the-Wallâ€™ Dynamics: An Observational Study Using Accelerometry and Sensors to Quantify Risk Associated with Vertical Wall Impact Attenuation in Trampoline Parks. Sensors, 2021, 21, 7337.	3.8	4
31	Investigation into the Trampoline Dynamic Characteristics and Analysis of Double Bounce Vibrations. Sensors, 2022, 22, 2916.	3.8	4
32	Soft landings: encouraging compliance with safety standards in Local Government Authority playgrounds. Health Promotion Journal of Australia, 2009, 20, 31-36.	1.2	3
33	Thermo-economic optimization of condenser coil configuration for HVAC performance enhancement. Energy and Buildings, 2014, 84, 1-12.	6.7	3
34	Performance prediction of a new integrated central cooling plant for energy efficiency and comfort enhancement. Building Services Engineering Research and Technology, 2016, 37, 379-394.	1.8	2
35	Ensuring safety in public playgrounds is everybody's business. Medical Journal of Australia, 2019, 210, 9.	1.7	2
36	Additional Criteria for Playground Impact Attenuating Sand. Applied Sciences (Switzerland), 2021, 11, 8805.	2.5	2

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37	Simulation of Racing Greyhound Kinematics. , 2019, , .		2
38	Investigating the Knuckleball Effect in Soccer Using a Smart Ball and Training Machine. Sensors, 2022, 22, 3984.	3.8	2
39	A Study Into LDPE as an Undersurfacing Material for Injury Prevention and Risk Minimisation in Childrenâ€™s Playgrounds. , 2003, , 71.		1
40	Neck Loads During Head-First Entries into Trampoline Dismount Foam Pits: Considerations for Trampoline Park Safety. Annals of Biomedical Engineering, 2022, 50, 691.	2.5	1
41	Greyhound Racing Track Lure Systemsâ€”Acoustical Measurements within and Adjacent to the Starting Boxes. Technologies, 2021, 9, 74.	5.1	0