# 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 | 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 |
| 2 | Investigation into the Trampoline Dynamic Characteristics and Analysis of Double Bounce Vibrations. Sensors, 2022, 22, 2916. | 3.8 | 4 |
| 3 | Investigating the Knuckleball Effect in Soccer Using a Smart Ball and Training Machine. Sensors, 2022, 22, 3984. | 3.8 | 2 |
| 4 | Evaluating Martial Arts Punching Kinematics Using a Vision and Inertial Sensing System. Sensors, 2021, 21, 1948. | 3.8 | 19 |
| 5 | Additional Criteria for Playground Impact Attenuating Sand. Applied Sciences (Switzerland), 2021, 11, 8805. | 2.5 | 2 |
| 6 | Analysis of Racing Greyhound Path Following Dynamics Using a Tracking System. Animals, 2021, 11, 2687. | 2.3 | 4 |
| 7 | Greyhound Racing Track Lure Systemsâ€"Acoustical Measurements within and Adjacent to the Starting Boxes. Technologies, 2021, 9, 74. | 5.1 | 0 |
| 8 | 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 |
| 9 | Greyhound racing ideal trajectory path generation for straight to bend based on jerk rate minimization. Scientific Reports, 2020, 10, 7088. | 3.3 | 6 |
| 10 | Jerk within the Context of Science and Engineeringâ€"A Systematic Review. Vibration, 2020, 3, 371-409. | 1.9 | 24 |
| 11 | Dynamic Behaviour of High Performance of Sand Surfaces Used in the Sports Industry. Vibration, 2020, 3, 410-424. | 1.9 | 8 |
| 12 | Velocity, acceleration, jerk, snap and vibration: forces in our bodies during a roller coaster ride. Physics Education, 2020, 55, 065012. | 0.5 | 21 |
| 13 | 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 |
| 14 | The relationship between compression garments and electrocardiogram signals during exercise and recovery phase. BioMedical Engineering OnLine, 2019, 18, 27. | 2.7 | 9 |
| 15 | 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 |
| 16 | Ensuring safety in public playgrounds is everybody's business. Medical Journal of Australia, 2019, 210, 9. | 1.7 | 2 |
| 17 | Analysis of Agile Canine Gait Characteristics Using Accelerometry. Sensors, 2019, 19, 4379. | 3.8 | 13 |
| 18 | Simulation of Racing Greyhound Kinematics. , 2019, , . | | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 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 | 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 |
| 22 | Impulse Force as an Additional Safety Criterion for Improving the Injury Prevention Performance of Impact Attenuation Surfaces in Childrenâ€™s Playgrounds. , 2016, , . | | 4 |
| 23 | 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 |
| 24 | 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 |
| 25 | Beyond velocity and acceleration: jerk, snap and higher derivatives. European Journal of Physics, 2016, 37, 065008. | 0.6 | 125 |
| 26 | Australian trampoline injury patterns and trends. Australian and New Zealand Journal of Public Health, 2015, 39, 491-494. | 1.8 | 35 |
| 27 | Influence of voluntary standards and design modifications on trampoline injury in Victoria, Australia. Injury Prevention, 2015, 21, 314-319. | 2.4 | 13 |
| 28 | Free fall and harmonic oscillations: analyzing trampoline jumps. Physics Education, 2015, 50, 64-70. | 0.5 | 15 |
| 29 | Thermo-economic optimization of condenser coil configuration for HVAC performance enhancement. Energy and Buildings, 2014, 84, 1-12. | 6.7 | 3 |
| 30 | Analysis of Energy Flow During Playground Surface Impacts. Journal of Applied Biomechanics, 2013, 29, 628-633. | 0.8 | 5 |
| 31 | 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 |
| 32 | Collaborative and crossâ€company project management within the automotive industry using the Balanced Scorecard. International Journal of Managing Projects in Business, 2010, 3, 328-337. | 2.5 | 19 |
| 33 | Optical flow based analyses to detect emotion from human facial image data. Expert Systems With Applications, 2010, 37, 8897-8902. | 7.6 | 18 |
| 34 | A pilot study of sound levels in an Australian adult general intensive care unit. Noise and Health, 2010, 12, 26. | 0.5 | 56 |
| 35 | Risk, challenge and safety: implications for play quality and playground design. European Early Childhood Education Research Journal, 2010, 18, 497-513. | 1.9 | 85 |
| 36 | Effectiveness of pads and enclosures as safety interventions on consumer trampolines. Injury Prevention, 2010, 16, 185-189. | 2.4 | 28 |

| # | Article | IF | Citations |
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| 37 | Soft landings: encouraging compliance with safety standards in Local Government Authority playgrounds. Health Promotion Journal of Australia, 2009, 20, 31-36. | 1.2 | 3 |
| 38 | Improving crossâ€€company project management performance with a collaborative project scorecard. International Journal of Managing Projects in Business, 2008, 1, 368-386. | 2.5 | 25 |
| 39 | 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 |
| 40 | 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 |
| 41 | A Study Into LDPE as an Undersurfacing Material for Injury Prevention and Risk Minimisation in Childrenâ€™s Playgrounds. , 2003, , 71. | | 1 |