Jillian E Urban

List of Publications by Year
in descending order

41 papers	969 citations	567144 15 h-index	454834 30 g-index
42 all docs	42 docs citations	42 times ranked	781 citing authors

#	Article	IF	Citations
1	Characterization of head impact exposure in boysâ€™ youth ice hockey. Research in Sports Medicine, 2023, 31, 440-450.	0.7	6
2	Characterization of Head Impact Exposure in Womenâ€™s Collegiate Soccer. Journal of Applied Biomechanics, 2022, 38, 2-11.	0.3	9
3	Cumulative strain-based metrics for predicting subconcussive head impact exposureâ€“related imaging changes in a cohort of American youth football players. Journal of Neurosurgery: Pediatrics, 2022, 29, 387-396.	0.8	4
4	Head Impact Kinematics and Brain Deformation in Paired Opposing Youth Football Players. Journal of Applied Biomechanics, 2022, 38, 136-147.	0.3	2
5	Head Kinematics in Youth Ice Hockey by Player Speed and Impact Direction. Journal of Applied Biomechanics, 2022, 38, 201-209.	0.3	4
6	Brain Strain: Computational Model-Based Metrics for Head Impact Exposure and Injury Correlation. Annals of Biomedical Engineering, 2021, 49, 1083-1096.	1.3	24
7	Neuropsychological Change After a Single Season of Head Impact Exposure in Youth Football. Journal of the International Neuropsychological Society, 2021, 27, 113-123.	1.2	7
8	Characterization of On-Field Head Impact Exposure in Youth Soccer. Journal of Applied Biomechanics, 2021, 37, 36-42.	0.3	16
9	Mapping default mode connectivity alterations following a single season of subconcussive impact exposure in youth football. Human Brain Mapping, 2021, 42, 2529-2545.	1.9	7
10	The Effect of Player Contact Characteristics on Head Impact Exposure in Youth Football Games. Journal of Applied Biomechanics, 2021, 37, 145-155.	0.3	7
11	Effect of Coach Feedback and Awareness of Head Impact Exposure on Practice Structure in Youth Football. Journal of Neurotrauma, 2021, 38, 1389-1398.	1.7	1
12	Analysis of longitudinal head impact exposure and white matter integrity in returning youth football players. Journal of Neurosurgery: Pediatrics, 2021, , 1-10.	0.8	6
13	Comparison of womenâ€™s collegiate soccer header kinematics by play state, intent, and outcome. Journal of Biomechanics, 2021, 126, 110619.	0.9	6
14	Alterations in the Magnetoencephalography Default Mode Effective Connectivity following Concussion. American Journal of Neuroradiology, 2021, 42, 1776-1782.	1.2	0
15	Relationship Between Time-Weighted Head Impact Exposure on Directional Changes in Diffusion Imaging in Youth Football Players. Annals of Biomedical Engineering, 2021, 49, 2852-2862.	1.3	3
16	Regional White Matter Diffusion Changes Associated with the Cumulative Tensile Strain and Strain Rate in Nonconcussed Youth Football Players. Journal of Neurotrauma, 2021, 38, 2763-2771.	1.7	6
17	Header biomechanics in youth and collegiate female soccer. Journal of Biomechanics, 2021, 128, 110782.	0.9	5
18	Characterizing head impact exposure in youth female soccer with a custom-instrumented mouthpiece. Research in Sports Medicine, 2020, 28, 55-71.	0.7	38

#	Article	IF	Citations
19	Development of a Concussion Risk Function for a Youth Population Using Head Linear and Rotational Acceleration. Annals of Biomedical Engineering, 2020, 48, 92-103.	1.3	44
20	An envelope of linear and rotational head motion during everyday activities. Biomechanics and Modeling in Mechanobiology, 2020, 19, 1003-1014.	1.4	13
21	Prevalence and Incidence of Microhemorrhages in Adolescent Football Players. American Journal of Neuroradiology, 2020, 41, 1263-1268.	1.2	3
22	In-Season Variations in Head Impact Exposure among Youth Football Players. Journal of Neurotrauma, 2019, 36, 275-281.	1.7	10
23	Development, Validation and Pilot Field Deployment of a Custom Mouthpiece for Head Impact Measurement. Annals of Biomedical Engineering, 2019, 47, 2109-2121.	1.3	55
24	Evaluation of Brain Response during Head Impact in Youth Athletes Using an Anatomically Accurate Finite Element Model. Journal of Neurotrauma, 2019, 36, 1561-1570.	1.7	32
25	Comparison of head impact exposure in practice drills among multiple youth football teams. Journal of Neurosurgery: Pediatrics, 2019, 23, 381-389.	0.8	20
26	Evaluation of head impact exposure measured from youth football game plays. Journal of Neurosurgery: Pediatrics, 2019, 24, 190-199.	0.8	14
27	Validation of a Custom Instrumented Retainer Form Factor for Measuring Linear and Angular Head Impact Kinematics. Journal of Biomechanical Engineering, 2018, 140, .	0.6	23
28	Head Impact Exposure in Practices Correlates With Exposure in Games for Youth Football Players. Journal of Applied Biomechanics, 2018, 34, 354-360.	0.3	13
29	Single season changes in resting state network power and the connectivity between regions distinguish head impact exposure level in high school and youth football players. , 2018, 10575, .		5
30	Quantifying the association between white matter integrity changes and subconcussive head impact exposure from a single season of youth and high school football using 3D convolutional neural networks. , 2018, 10575, .		5
31	Head Impact Exposure in Youth Football: Comparing Age- and Weight-Based Levels of Play. Journal of Neurotrauma, 2017, 34, 1939-1947.	1.7	49
32	Head impact exposure measured in a single youth football team during practice drills. Journal of Neurosurgery: Pediatrics, 2017, 20, 489-497.	0.8	38
33	Changes in resting state MRI networks from a single season of football distinguishes controls, low, and high head impact exposure. , 2017, 2017, 464-467.		2
34	Abnormalities in Diffusional Kurtosis Metrics Related to Head Impact Exposure in a Season of High School Varsity Football. Journal of Neurotrauma, 2016, 33, 2133-2146.	1.7	67
35	Subconcussive impacts and imaging findings over a season of contact sports. Concussion, 2016, 1, CNC19.	1.2	17
36	Evaluation of morphological changes in the adult skull with age and sex. Journal of Anatomy, 2016, 229, 838-846.	0.9	42

#	Article	IF	Citations
37	Development and Validation of an Older Occupant Finite Element Model of a Mid-Sized Male for Investigation of Age-related Injury Risk. Stapp Car Crash Journal, 2015, 59, 359-83.	1.1	24
38	Abnormal White Matter Integrity Related to Head Impact Exposure in a Season of High School Varsity Football. Journal of Neurotrauma, 2014, 31, 1617-1624.	1.7	189
39	Head Impact Exposure in Youth Football: High School Ages 14 to 18 Years and Cumulative Impact Analysis. Annals of Biomedical Engineering, 2013, 41, 2474-2487.	1.3	127
40	Motor Vehicle Crash-Related Subdural Hematoma from Real-World Head Impact Data. Journal of Neurotrauma, 2012, 29, 2774-2781.	1.7	18
41	A method to investigate the size and shape variation of the lateral ventricles with age. Biomedical Sciences Instrumentation, 2012, 48, 447-53.	0.2	3