

Michael Mccrea

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

105
papers

11,806
citations

40
h-index

108
g-index

121
ext. papers

13,754
ext. citations

6.5
avg, IF

6.04
L-index

#	Paper	IF	Citations
105	Association Between Symptom Burden at Initiation of a Graduated Return to Activity Protocol and Time to Return to Unrestricted Activity After Concussion in Service Academy Cadets.. <i>American Journal of Sports Medicine</i> , 2022 , 3635465211067551	6.8	
104	Head impact exposure, grey matter volume, and moderating effects of estimated IQ and educational attainment in former athletes at midlife.. <i>Journal of Neurotrauma</i> , 2022 ,	5.4	1
103	Utility of VOMS, SCAT3, and IMPACT Baseline Evaluations for Acute Concussion Identification in Collegiate Athletes: Findings From the NCAA-DoD Concussion Assessment, Research and Education (CARE) Consortium.. <i>American Journal of Sports Medicine</i> , 2022 , 50, 1106-1119	6.8	4
102	A Preclinical Rodent Model for Repetitive Subconcussive Head Impact Exposure in Contact Sport Athletes.. <i>Frontiers in Behavioral Neuroscience</i> , 2022 , 16, 805124	3.5	0
101	Outcome Prediction in Patients with Severe Traumatic Brain Injury Using Deep Learning from Head CT Scans.. <i>Radiology</i> , 2022 , 212181	20.5	1
100	Longitudinal trajectory of depression symptom severity and the influence of concussion history and physical function over a 19-year period among former National Football League (NFL) players: an NFL-LONG Study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021 ,	5.5	1
99	A Review of Implementation Concepts and Strategies Surrounding Traumatic Brain Injury Clinical Care Guidelines. <i>Journal of Neurotrauma</i> , 2021 , 38, 3195-3203	5.4	1
98	Discriminative Validity of Vestibular Ocular Motor Screening in Identifying Concussion Among Collegiate Athletes: A National Collegiate Athletic Association-Department of Defense Concussion Assessment, Research, and Education Consortium Study. <i>American Journal of Sports Medicine</i> , 2021 , 49, 2211-2217	6.8	5
97	Phenotyping the Spectrum of Traumatic Brain Injury: A Review and Pathway to Standardization. <i>Journal of Neurotrauma</i> , 2021 , 38, 3222-3234	5.4	2
96	High-Sensitivity C-Reactive Protein is a Prognostic Biomarker of Six-Month Disability after Traumatic Brain Injury: Results from the TRACK-TBI Study. <i>Journal of Neurotrauma</i> , 2021 , 38, 918-927	5.4	11
95	The Effects of On-Field Heat Index and Altitude on Concussion Assessments and Recovery Among NCAA Athletes. <i>Sports Medicine</i> , 2021 , 51, 825-835	10.6	0
94	Smaller Regional Brain Volumes Predict Posttraumatic Stress Disorder at 3 Months After Mild Traumatic Brain Injury. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021 , 6, 352-359	3.4	2
93	Acute Post-Concussive Assessments of Brain Tissue Magnetism Using Magnetic Resonance Imaging. <i>Journal of Neurotrauma</i> , 2021 , 38, 848-857	5.4	3
92	Health-promoting behaviours and concussion history are associated with cognitive function, mood-related symptoms and emotional-behavioural dyscontrol in former NFL players: an NFL-LONG Study. <i>British Journal of Sports Medicine</i> , 2021 , 55, 683-690	10.3	6
91	Disparate Associations of Years of Football Participation and a Metric of Head Impact Exposure with Neurobehavioral Outcomes in Former Collegiate Football Players. <i>Journal of the International Neuropsychological Society</i> , 2021 , 1-13	3.1	5
90	Recovery Profiles after Concussion among Male Student-Athletes and Service Cadets with a Family History of Neurodegenerative Disease: Data from the NCAA-DoD CARE Consortium. <i>Journal of Neurotrauma</i> , 2021 , 38, 485-492	5.4	0
89	Assessment of Blood Biomarker Profile After Acute Concussion During Combative Training Among US Military Cadets: A Prospective Study From the NCAA and US Department of Defense CARE Consortium. <i>JAMA Network Open</i> , 2021 , 4, e2037731	10.4	7

88	Association between sports participation history and age of first exposure to high-risk sports with concussion history. <i>Research in Sports Medicine</i> , 2021 , 1-13	3.8	2
87	Comparing the Quality of Life after Brain Injury-Overall Scale and Satisfaction with Life Scale as Outcome Measures for Traumatic Brain Injury Research. <i>Journal of Neurotrauma</i> , 2021 , 38, 3352-3363	5.4	1
86	Pathological Computed Tomography Features Associated With Adverse Outcomes After Mild Traumatic Brain Injury: A TRACK-TBI Study With External Validation in CENTER-TBI. <i>JAMA Neurology</i> , 2021 , 78, 1137-1148	17.2	10
85	Mild Cognitive Impairment and Dementia Reported by Former Professional Football Players over 50 Years of Age: An NFL-LONG Study. <i>Medicine and Science in Sports and Exercise</i> , 2021 ,	1.2	1
84	Factors Associated with Symptom Reporting in U.S. Service Academy Cadets and NCAA Student Athletes without Concussion: Findings from the CARE Consortium. <i>Sports Medicine</i> , 2021 , 51, 1087-1105	10.6	7
83	Split-slice training and hyperparameter tuning of RAKI networks for simultaneous multi-slice reconstruction. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 3272-3280	4.4	3
82	Association of Posttraumatic Epilepsy With 1-Year Outcomes After Traumatic Brain Injury.. <i>JAMA Network Open</i> , 2021 , 4, e2140191	10.4	1
81	Medical Disqualification Following Concussion in Collegiate Student-Athletes: Findings from the CARE Consortium. <i>Sports Medicine</i> , 2020 , 50, 1843-1855	10.6	2
80	Measuring Blunt Force Head Impacts in Athletes. <i>Military Medicine</i> , 2020 , 185, 190-196	1.3	5
79	Effect of Diagnosed Sleep Disorders on Baseline Concussion Symptom, Cognitive, and Balance Assessments in Collegiate Athletes. <i>American Journal of Sports Medicine</i> , 2020 , 48, 991-999	6.8	2
78	Association of Blood Biomarkers With Acute Sport-Related Concussion in Collegiate Athletes: Findings From the NCAA and Department of Defense CARE Consortium. <i>JAMA Network Open</i> , 2020 , 3, e1919771	10.4	53
77	Clinical Reaction-Time Performance Factors in Healthy Collegiate Athletes. <i>Journal of Athletic Training</i> , 2020 , 55, 601-607	4	4
76	Influence of Postconcussion Sleep Duration on Concussion Recovery in Collegiate Athletes. <i>Clinical Journal of Sport Medicine</i> , 2020 , 30 Suppl 1, S29-S35	3.2	11
75	Traumatic Brain Injury (TBI) 2020 , 219-225		
74	Concussion-Recovery Trajectories Among Tactical Athletes: Results From the CARE Consortium. <i>Journal of Athletic Training</i> , 2020 , 55, 658-665	4	3
73	An evidence-based methodology for systematic evaluation of clinical outcome assessment measures for traumatic brain injury. <i>PLoS ONE</i> , 2020 , 15, e0242811	3.7	1
72	Estimated Age of First Exposure to Contact Sports and Neurocognitive, Psychological, and Physical Outcomes in Healthy NCAA Collegiate Athletes: A Cohort Study. <i>Sports Medicine</i> , 2020 , 50, 1377-1392	10.6	8
71	Effect of Routine Sport Participation on Short-Term Clinical Neurological Outcomes: A Comparison of Non-Contact, Contact, and Collision Sport Athletes. <i>Sports Medicine</i> , 2020 , 50, 1027-1038	10.6	1

70	Do Head Injury Biomechanics Predict Concussion Clinical Recovery in College American Football Players?. <i>Annals of Biomedical Engineering</i> , 2020 , 48, 2555-2565	4.7	7
69	The evolution of white matter microstructural changes after mild traumatic brain injury: A longitudinal DTI and NODDI study. <i>Science Advances</i> , 2020 , 6, eaaz6892	14.3	38
68	Concussion Risk Between Individual Football Players: Survival Analysis of Recurrent Events and Non-events. <i>Annals of Biomedical Engineering</i> , 2020 , 48, 2626-2638	4.7	0
67	High Energy Side and Rear American Football Head Impacts Cause Obvious Performance Decrement on Video. <i>Annals of Biomedical Engineering</i> , 2020 , 48, 2667-2677	4.7	7
66	Plasma Biomarker Concentrations Associated With Return to Sport Following Sport-Related Concussion in Collegiate Athletes-A Concussion Assessment, Research, and Education (CARE) Consortium Study. <i>JAMA Network Open</i> , 2020 , 3, e2013191	10.4	13
65	Return to play and risk of repeat concussion in collegiate football players: comparative analysis from the NCAA Concussion Study (1999-2001) and CARE Consortium (2014-2017). <i>British Journal of Sports Medicine</i> , 2020 , 54, 102-109	10.3	42
64	Management of Concussion and Mild Traumatic Brain Injury: A Synthesis of Practice Guidelines. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020 , 101, 382-393	2.8	54
63	Estimated Age of First Exposure to Contact Sports Is Not Associated with Greater Symptoms or Worse Cognitive Functioning in Male U.S. Service Academy Athletes. <i>Journal of Neurotrauma</i> , 2020 , 37, 334-339	5.4	17
62	Flying After Concussion and Symptom Recovery in College Athletes and Military Cadets. <i>JAMA Network Open</i> , 2020 , 3, e2025082	10.4	2
61	Factors Affecting Head Impact Exposure in College Football Practices: A Multi-Institutional Study. <i>Annals of Biomedical Engineering</i> , 2019 , 47, 2086-2093	4.7	23
60	American Medical Society for Sports Medicine position statement on concussion in sport. <i>British Journal of Sports Medicine</i> , 2019 , 53, 213-225	10.3	201
59	Repetitive Head Impact Exposure in College Football Following an NCAA Rule Change to Eliminate Two-A-Day Preseason Practices: A Study from the NCAA-DoD CARE Consortium. <i>Annals of Biomedical Engineering</i> , 2019 , 47, 2073-2085	4.7	35
58	Accounting for Variance in Concussion Tolerance Between Individuals: Comparing Head Accelerations Between Concussed and Physically Matched Control Subjects. <i>Annals of Biomedical Engineering</i> , 2019 , 47, 2048-2056	4.7	13
57	Acute Sport Concussion Assessment Optimization: A Prospective Assessment from the CARE Consortium. <i>Sports Medicine</i> , 2019 , 49, 1977-1987	10.6	24
56	Estimated Age of First Exposure to American Football and Neurocognitive Performance Amongst NCAA Male Student-Athletes: A Cohort Study. <i>Sports Medicine</i> , 2019 , 49, 477-487	10.6	29
55	Methodology and Implementation of a Randomized Controlled Trial (RCT) for Early Post-concussion Rehabilitation: The Active Rehab Study. <i>Frontiers in Neurology</i> , 2019 , 10, 1176	4.1	5
54	A cohort study to identify and evaluate concussion risk factors across multiple injury settings: findings from the CARE Consortium. <i>Injury Epidemiology</i> , 2019 , 6, 1	1.7	17
53	Impact of Factors that Affect Reading Skill Level on King-Devick Baseline Performance Time. <i>Annals of Biomedical Engineering</i> , 2019 , 47, 2122-2127	4.7	6

52	Comparison of Head Impact Exposure Between Concussed Football Athletes and Matched Controls: Evidence for a Possible Second Mechanism of Sport-Related Concussion. <i>Annals of Biomedical Engineering</i> , 2019 , 47, 2057-2072	4.7	42
51	Health-Related Quality of Life Following Concussion in Collegiate Student-Athletes With and Without Concussion History. <i>Annals of Biomedical Engineering</i> , 2019 , 47, 2136-2146	4.7	13
50	Baseline Performance of NCAA Athletes on a Concussion Assessment Battery: A Report from the CARE Consortium. <i>Sports Medicine</i> , 2018 , 48, 1971-1985	10.6	44
49	Influences of Mental Illness, Current Psychological State, and Concussion History on Baseline Concussion Assessment Performance. <i>American Journal of Sports Medicine</i> , 2018 , 46, 1742-1751	6.8	22
48	Descriptive Analysis of a Baseline Concussion Battery Among U.S. Service Academy Members: Results from the Concussion Assessment, Research, and Education (CARE) Consortium. <i>Military Medicine</i> , 2018 , 183, e580-e590	1.3	10
47	Association Between History of Multiple Concussions and Health Outcomes Among Former College Football Players: 15-Year Follow-up From the NCAA Concussion Study (1999-2001). <i>American Journal of Sports Medicine</i> , 2018 , 46, 1733-1741	6.8	42
46	Age at First Concussion Influences the Number of Subsequent Concussions. <i>Pediatric Neurology</i> , 2018 , 81, 19-24	2.9	18
45	Quantifying the Value of Multidimensional Assessment Models for Acute Concussion: An Analysis of Data from the NCAA-DoD Care Consortium. <i>Sports Medicine</i> , 2018 , 48, 1739-1749	10.6	41
44	Acute White-Matter Abnormalities in Sports-Related Concussion: A Diffusion Tensor Imaging Study from the NCAA-DoD CARE Consortium. <i>Journal of Neurotrauma</i> , 2018 , 35, 2653-2664	5.4	38
43	Quantitative Susceptibility Mapping after Sports-Related Concussion. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1215-1221	4.4	9
42	Test-Retest Reliability and Interpretation of Common Concussion Assessment Tools: Findings from the NCAA-DoD CARE Consortium. <i>Sports Medicine</i> , 2018 , 48, 1255-1268	10.6	88
41	Correlation of Concussion Symptom Profile with Head Impact Biomechanics: A Case for Individual-Specific Injury Tolerance. <i>Journal of Neurotrauma</i> , 2018 , 35, 681-690	5.4	46
40	Developing a Cognition Endpoint for Traumatic Brain Injury Clinical Trials. <i>Journal of Neurotrauma</i> , 2017 , 34, 363-371	5.4	27
39	What are the critical elements of sideline screening that can be used to establish the diagnosis of concussion? A systematic review. <i>British Journal of Sports Medicine</i> , 2017 , 51, 888-894	10.3	51
38	Approach to investigation and treatment of persistent symptoms following sport-related concussion: a systematic review. <i>British Journal of Sports Medicine</i> , 2017 , 51, 958-968	10.3	85
37	The Sport Concussion Assessment Tool 5th Edition (SCAT5): Background and rationale. <i>British Journal of Sports Medicine</i> , 2017 , 51, 848-850	10.3	270
36	The Concussion Recognition Tool 5th Edition (CRT5): Background and rationale. <i>British Journal of Sports Medicine</i> , 2017 , 51, 870-871	10.3	24
35	Consensus statement on concussion in sport-the 5 international conference on concussion in sport held in Berlin, October 2016. <i>British Journal of Sports Medicine</i> , 2017 , 51, 838-847	10.3	1319

34	Role of advanced neuroimaging, fluid biomarkers and genetic testing in the assessment of sport-related concussion: a systematic review. <i>British Journal of Sports Medicine</i> , 2017 , 51, 919-929	10.3	118
33	What is the physiological time to recovery after concussion? A systematic review. <i>British Journal of Sports Medicine</i> , 2017 , 51, 935-940	10.3	205
32	Validating Multidimensional Outcome Assessment Using the TBI Common Data Elements: An Analysis of the TRACK-TBI Pilot Sample. <i>Journal of Neurotrauma</i> , 2017 ,	5.4	40
31	Rest and treatment/rehabilitation following sport-related concussion: a systematic review. <i>British Journal of Sports Medicine</i> , 2017 , 51, 930-934	10.3	174
30	Long-Term Cognitive and Neuropsychiatric Consequences of Repetitive Concussion and Head-Impact Exposure. <i>Journal of Athletic Training</i> , 2017 , 52, 309-317	4	84
29	Head Impact Density: A Model To Explain the Elusive Concussion Threshold. <i>Journal of Neurotrauma</i> , 2017 , 34, 2675-2683	5.4	39
28	The Effectiveness of Prescribed Rest Depends on Initial Presentation After Concussion. <i>Journal of Pediatrics</i> , 2017 , 185, 167-172	3.6	19
27	A National Study on the Effects of Concussion in Collegiate Athletes and US Military Service Academy Members: The NCAA-DoD Concussion Assessment, Research and Education (CARE) Consortium Structure and Methods. <i>Sports Medicine</i> , 2017 , 47, 1437-1451	10.6	158
26	Prediction of Post-Concussive Behavioral Changes in a Rodent Model Based on Head Rotational Acceleration Characteristics. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 3252-3265	4.7	7
25	Behavioral Outcomes Differ between Rotational Acceleration and Blast Mechanisms of Mild Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2016 , 7, 31	4.1	23
24	Summary of the 2015 University of Michigan Sport Concussion Summit. <i>Concussion</i> , 2016 , 1, CNC23	1.8	3
23	Activity-Related Symptom Exacerbations After Pediatric Concussion. <i>JAMA Pediatrics</i> , 2016 , 170, 946-953.	3	46
22	Sports concussion assessment and management: future research directions. <i>Brain Injury</i> , 2015 , 29, 276-82.	1	47
21	Benefits of strict rest after acute concussion: a randomized controlled trial. <i>Pediatrics</i> , 2015 , 135, 213-237.	4	350
20	Evidence-based management of sport-related concussion. <i>Progress in Neurological Surgery</i> , 2014 , 28, 112-27	1.4	12
19	Day of injury cognitive performance on the Military Acute Concussion Evaluation (MACE) by U.S. military service members in OEF/OIF. <i>Military Medicine</i> , 2014 , 179, 990-7	1.3	17
18	Protective equipment and player characteristics associated with the incidence of sport-related concussion in high school football players: a multifactorial prospective study. <i>American Journal of Sports Medicine</i> , 2014 , 42, 2470-8	6.8	51
17	Consensus statement on concussion in sport: the 4th International Conference on Concussion in Sport held in Zurich, November 2012. <i>British Journal of Sports Medicine</i> , 2013 , 47, 250-8	10.3	1379

16	Day of injury assessment of sport-related concussion. <i>British Journal of Sports Medicine</i> , 2013 , 47, 272-84	10.3	41
15	Incidence, clinical course, and predictors of prolonged recovery time following sport-related concussion in high school and college athletes. <i>Journal of the International Neuropsychological Society</i> , 2013 , 19, 22-33	3.1	305
14	The Concussion Clinic: A Practical, Evidence-Based Model for Assessment and Management of Sport-Related Concussion. <i>Journal of Clinical Sport Psychology</i> , 2012 , 6, 275-292	1.6	7
13	President's Annual State of the Academy Report. <i>Clinical Neuropsychologist</i> , 2012 , 26, 1-12	4.4	9
12	President's Annual State of the Academy Report. <i>Clinical Neuropsychologist</i> , 2011 , 25, 3-11	4.4	2
11	Acute effects and recovery after sport-related concussion: a neurocognitive and quantitative brain electrical activity study. <i>Journal of Head Trauma Rehabilitation</i> , 2010 , 25, 283-92	3	110
10	Effects of a symptom-free waiting period on clinical outcome and risk of reinjury after sport-related concussion. <i>Neurosurgery</i> , 2009 , 65, 876-82; discussion 882-3	3.2	157
9	Recurrent concussion and risk of depression in retired professional football players. <i>Medicine and Science in Sports and Exercise</i> , 2007 , 39, 903-9	1.2	622
8	Association between Recurrent Concussion and Late-Life Cognitive Impairment in Retired Professional Football Players. <i>Neurosurgery</i> , 2005 , 57, 719-726	3.2	850
7	Standard regression-based methods for measuring recovery after sport-related concussion. <i>Journal of the International Neuropsychological Society</i> , 2005 , 11, 58-69	3.1	265
6	Unreported concussion in high school football players: implications for prevention. <i>Clinical Journal of Sport Medicine</i> , 2004 , 14, 13-7	3.2	886
5	Acute effects and recovery time following concussion in collegiate football players: the NCAA Concussion Study. <i>JAMA - Journal of the American Medical Association</i> , 2003 , 290, 2556-63	27.4	1047
4	Cumulative effects associated with recurrent concussion in collegiate football players: the NCAA Concussion Study. <i>JAMA - Journal of the American Medical Association</i> , 2003 , 290, 2549-55	27.4	1136
3	Sensitivity and specificity of standardized neurocognitive testing immediately following sports concussion. <i>Journal of the International Neuropsychological Society</i> , 2001 , 7, 693-702	3.1	212
2	Standardized Mental Status Testing on the Sideline After Sport-Related Concussion. <i>Journal of Athletic Training</i> , 2001 , 36, 274-279	4	134
1	A Survey of Practice Patterns in Concussion Assessment and Management. <i>Journal of Athletic Training</i> , 2001 , 36, 145-149	4	52