

Michael Mccrea

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

15,944
citations

57758

44
h-index

20358

116
g-index

121
all docs

121
docs citations

121
times ranked

5832
citing authors

#	ARTICLE	IF	CITATIONS
1	Association between sports participation history and age of first exposure to high-risk sports with concussion history. <i>Research in Sports Medicine</i> , 2023, 31, 260-272.	1.3	5
2	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> , 2022, 28, 22-34.	1.8	12
3	Mild Cognitive Impairment and Dementia Reported by Former Professional Football Players over 50 yr of Age: An NFL-LONG Study. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 424-431.	0.4	19
4	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> , 2022, 93, 272-279.	1.9	7
5	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, 50, 823-833.	4.2	3
6	Symptom Frequency and Persistence in the First Year after Traumatic Brain Injury: A TRACK-TBI Study. <i>Journal of Neurotrauma</i> , 2022, 39, 358-370.	3.4	35
7	Head Impact Exposure, Gray Matter Volume, and Moderating Effects of Estimated Intelligence Quotient and Educational Attainment in Former Athletes at Midlife. <i>Journal of Neurotrauma</i> , 2022, 39, 497-507.	3.4	7
8	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.	4.2	20
9	A Preclinical Rodent Model for Repetitive Subconcussive Head Impact Exposure in Contact Sport Athletes. <i>Frontiers in Behavioral Neuroscience</i> , 2022, 16, 805124.	2.0	5
10	Improving the Precision of the Glasgow Outcome Scale-Extended Using Item Response Theory: A TRACK-TBI Study. <i>Journal of Neurotrauma</i> , 2022, , .	3.4	1
11	Outcome Prediction in Patients with Severe Traumatic Brain Injury Using Deep Learning from Head CT Scans. <i>Radiology</i> , 2022, 304, 385-394.	7.3	30
12	Diffusion Tensor Imaging Reveals Elevated Diffusivity of White Matter Microstructure that Is Independently Associated with Long-Term Outcome after Mild Traumatic Brain Injury: A TRACK-TBI Study. <i>Journal of Neurotrauma</i> , 2022, 39, 1318-1328.	3.4	23
13	Effects of White-Matter Tract Length in Sport-Related Concussion: A Tractography Study from the NCAA-DoD CARE Consortium. <i>Journal of Neurotrauma</i> , 2022, 39, 1495-1506.	3.4	2
14	Risk Factors for High Symptom Burden Three Months after Traumatic Brain Injury and Implications for Clinical Trial Design: A Transforming Research and Clinical Knowledge in Traumatic Brain Injury Study. <i>Journal of Neurotrauma</i> , 2022, 39, 1524-1532.	3.4	5
15	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.	3.4	33
16	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.	6.5	2
17	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.	1.5	8
18	Acute Post-Concussive Assessments of Brain Tissue Magnetism Using Magnetic Resonance Imaging. <i>Journal of Neurotrauma</i> , 2021, 38, 848-857.	3.4	8

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19	Health-promoting behaviours and concussion history are associated with cognitive function, mood-related symptoms and emotionalâ€behavioural dyscontrol in former NFL players: an NFL-LONG Study. <i>British Journal of Sports Medicine</i> , 2021, 55, 683-690.	6.7	21
20	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.	3.4	1
21	Assessment of Blood Biomarker Profile After Acute Concussion During Combative Training Among US Military Cadets. <i>JAMA Network Open</i> , 2021, 4, e2037731.	5.9	25
22	4A.003â€...Post-career transition experiences of professional American football players retiring from brain-health concerns. , 2021, , .		0
23	Discriminative Validity of Vestibular Ocular Motor Screening in Identifying Concussion Among Collegiate Athletes: A National Collegiate Athletic Associationâ€Department of Defense Concussion Assessment, Research, and Education Consortium Study. <i>American Journal of Sports Medicine</i> , 2021, 49, 2211-2217.	4.2	16
24	Phenotyping the Spectrum of Traumatic Brain Injury: A Review and Pathway to Standardization. <i>Journal of Neurotrauma</i> , 2021, 38, 3222-3234.	3.4	22
25	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.	3.4	3
26	Pathological Computed Tomography Features Associated With Adverse Outcomes After Mild Traumatic Brain Injury. <i>JAMA Neurology</i> , 2021, 78, 1137.	9.0	53
27	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.	6.5	18
28	Splitâ€slice training and hyperparameter tuning of RAKI networks for simultaneous multiâ€slice reconstruction. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 3272-3280.	3.0	6
29	A Review of Implementation Concepts and Strategies Surrounding Traumatic Brain Injury Clinical Care Guidelines. <i>Journal of Neurotrauma</i> , 2021, 38, 3195-3203.	3.4	8
30	Association of Posttraumatic Epilepsy With 1-Year Outcomes After Traumatic Brain Injury. <i>JAMA Network Open</i> , 2021, 4, e2140191.	5.9	18
31	Return to play and risk of repeat concussion in collegiate football players: comparative analysis from the NCAA Concussion Study (1999â€2001) and CARE Consortium (2014â€2017). <i>British Journal of Sports Medicine</i> , 2020, 54, 102-109.	6.7	73
32	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.	0.9	180
33	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.	3.4	32
34	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.	6.5	8
35	Do Head Injury Biomechanics Predict Concussion Clinical Recovery in College American Football Players?. <i>Annals of Biomedical Engineering</i> , 2020, 48, 2555-2565.	2.5	18
36	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.	10.3	106

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37	Concussion Risk Between Individual Football Players: Survival Analysis of Recurrent Events and Non-events. <i>Annals of Biomedical Engineering</i> , 2020, 48, 2626-2638.	2.5	9
38	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.	2.5	20
39	122 School-level determinants of variability in observed concussion incidence: a care consortium study. , 2020, , .		0
40	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.	5.9	32
41	Medical Disqualification Following Concussion in Collegiate Student-Athletes: Findings from the CARE Consortium. <i>Sports Medicine</i> , 2020, 50, 1843-1855.	6.5	5
42	Measuring Blunt Force Head Impacts in Athletes. <i>Military Medicine</i> , 2020, 185, 190-196.	0.8	9
43	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.	4.2	7
44	Association of Blood Biomarkers With Acute Sport-Related Concussion in Collegiate Athletes. <i>JAMA Network Open</i> , 2020, 3, e1919771.	5.9	116
45	Clinical Reaction-Time Performance Factors in Healthy Collegiate Athletes. <i>Journal of Athletic Training</i> , 2020, 55, 601-607.	1.8	12
46	Flying After Concussion and Symptom Recovery in College Athletes and Military Cadets. <i>JAMA Network Open</i> , 2020, 3, e2025082.	5.9	3
47	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.	6.5	24
48	Concussion-Recovery Trajectories Among Tactical Athletes: Results From the CARE Consortium. <i>Journal of Athletic Training</i> , 2020, 55, 658-665.	1.8	12
49	An evidence-based methodology for systematic evaluation of clinical outcome assessment measures for traumatic brain injury. <i>PLoS ONE</i> , 2020, 15, e0242811.	2.5	3
50	Clinical Reaction Time After Concussion: Change From Baseline Versus Normative-Based Cutoff Scores. <i>Journal of Athletic Training</i> , 2020, , .	1.8	4
51	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.	2.5	54
52	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.	2.5	30
53	Acute Sport Concussion Assessment Optimization: A Prospective Assessment from the CARE Consortium. <i>Sports Medicine</i> , 2019, 49, 1977-1987.	6.5	51
54	Factors Affecting Head Impact Exposure in College Football Practices: A Multi-Institutional Study. <i>Annals of Biomedical Engineering</i> , 2019, 47, 2086-2093.	2.5	37

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55	American Medical Society for Sports Medicine position statement on concussion in sport. <i>British Journal of Sports Medicine</i> , 2019, 53, 213-225.	6.7	322
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.	6.5	41
57	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.	2.4	8
58	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.	1.8	42
59	Impact of Factors that Affect Reading Skill Level on King's Devick Baseline Performance Time. <i>Annals of Biomedical Engineering</i> , 2019, 47, 2122-2127.	2.5	12
60	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.	2.5	65
61	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.	2.5	25
62	Baseline Performance of NCAA Athletes on a Concussion Assessment Battery: A Report from the CARE Consortium. <i>Sports Medicine</i> , 2018, 48, 1971-1985.	6.5	64
63	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.	4.2	38
64	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.	0.8	24
65	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.	4.2	57
66	Age at First Concussion Influences the Number of Subsequent Concussions. <i>Pediatric Neurology</i> , 2018, 81, 19-24.	2.1	28
67	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.	6.5	65
68	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.	3.4	61
69	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.	6.5	140
70	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.	3.4	61
71	State of the Science on Pediatric Mild Traumatic Brain Injury. <i>JAMA Pediatrics</i> , 2018, 172, e182846.	6.2	9
72	Quantitative Susceptibility Mapping after Sports-Related Concussion. <i>American Journal of Neuroradiology</i> , 2018, 39, 1215-1221.	2.4	17

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73	Developing a Cognition Endpoint for Traumatic Brain Injury Clinical Trials. <i>Journal of Neurotrauma</i> , 2017, 34, 363-371.	3.4	35
74	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, bjsports-2016-097441.	6.7	67
75	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.	6.7	124
76	The Sport Concussion Assessment Tool 5th Edition (SCAT5). <i>British Journal of Sports Medicine</i> , 2017, 51, bjsports-2017-097506.	6.7	414
77	The Concussion Recognition Tool 5th Edition (CRT5). <i>British Journal of Sports Medicine</i> , 2017, 51, bjsports-2017-097508.	6.7	38
78	Consensus statement on concussion in sport—the 5 th international conference on concussion in sport held in Berlin, October 2016. <i>British Journal of Sports Medicine</i> , 2017, 51, bjsports-2017-097699.	6.7	1,903
79	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.	6.7	164
80	What is the physiological time to recovery after concussion? A systematic review. <i>British Journal of Sports Medicine</i> , 2017, 51, 935-940.	6.7	281
81	5th International Conference on Concussion in Sport (Berlin). <i>British Journal of Sports Medicine</i> , 2017, 51, 837-837.	6.7	315
82	Validating Multi-Dimensional Outcome Assessment Using the Traumatic Brain Injury Common Data Elements: An Analysis of the TRACK-TBI Pilot Study Sample. <i>Journal of Neurotrauma</i> , 2017, 34, 3158-3172.	3.4	59
83	Rest and treatment/rehabilitation following sport-related concussion: a systematic review. <i>British Journal of Sports Medicine</i> , 2017, 51, 930-934.	6.7	243
84	Long-Term Cognitive and Neuropsychiatric Consequences of Repetitive Concussion and Head-Impact Exposure. <i>Journal of Athletic Training</i> , 2017, 52, 309-317.	1.8	131
85	Head Impact Density: A Model To Explain the Elusive Concussion Threshold. <i>Journal of Neurotrauma</i> , 2017, 34, 2675-2683.	3.4	66
86	The Effectiveness of Prescribed Rest Depends on Initial Presentation After Concussion. <i>Journal of Pediatrics</i> , 2017, 185, 167-172.	1.8	31
87	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.	6.5	252
88	Infographic: Consensus statement on concussion in sport. <i>British Journal of Sports Medicine</i> , 2017, 51, 1557-1558.	6.7	87
89	Influence of Postconcussion Sleep Duration on Concussion Recovery in Collegiate Athletes. <i>Clinical Journal of Sport Medicine</i> , 2017, Publish Ahead of Print, S29-S35.	1.8	28
90	Behavioral Outcomes Differ between Rotational Acceleration and Blast Mechanisms of Mild Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2016, 7, 31.	2.4	29

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91	Summary of the 2015 University of Michigan Sport Concussion Summit. <i>Concussion</i> , 2016, 1, CNC23.	1.0	4
92	Activity-Related Symptom Exacerbations After Pediatric Concussion. <i>JAMA Pediatrics</i> , 2016, 170, 946.	6.2	63
93	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.	2.5	8
94	Benefits of Strict Rest After Acute Concussion: A Randomized Controlled Trial. <i>Pediatrics</i> , 2015, 135, 213-223.	2.1	431
95	Sports concussion assessment and management: Future research directions. <i>Brain Injury</i> , 2015, 29, 276-282.	1.2	54
96	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, 990-997.	0.8	25
97	Protective Equipment and Player Characteristics Associated With the Incidence of Sport-Related Concussion in High School Football Players. <i>American Journal of Sports Medicine</i> , 2014, 42, 2470-2478.	4.2	70
98	Evidence-Based Management of Sport-Related Concussion. <i>Progress in Neurological Surgery</i> , 2014, 28, 112-127.	1.3	14
99	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, 250-258.	6.7	1,744
100	Day of injury assessment of sport-related concussion. <i>British Journal of Sports Medicine</i> , 2013, 47, 272-284.	6.7	50
101	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.	1.8	361
102	President's Annual State of the Academy Report. <i>Clinical Neuropsychologist</i> , 2012, 26, 1-12.	2.3	9
103	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.	1.0	15
104	President's Annual State of the Academy Report. <i>Clinical Neuropsychologist</i> , 2011, 25, 3-11.	2.3	2
105	Acute Effects and Recovery After Sport-Related Concussion. <i>Journal of Head Trauma Rehabilitation</i> , 2010, 25, 283-292.	1.7	136
106	EFFECTS OF A SYMPTOM-FREE WAITING PERIOD ON CLINICAL OUTCOME AND RISK OF REINJURY AFTER SPORT-RELATED CONCUSSION. <i>Neurosurgery</i> , 2009, 65, 876-883.	1.1	183
107	Recurrent Concussion and Risk of Depression in Retired Professional Football Players. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 903-909.	0.4	740
108	Association between Recurrent Concussion and Late-Life Cognitive Impairment in Retired Professional Football Players. <i>Neurosurgery</i> , 2005, 57, 719-726.	1.1	959

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109	Standard regression-based methods for measuring recovery after sport-related concussion. Journal of the International Neuropsychological Society, 2005, 11, 58-69.	1.8	309
110	Unreported Concussion in High School Football Players. Clinical Journal of Sport Medicine, 2004, 14, 13-17.	1.8	1,033
111	Acute Effects and Recovery Time Following Concussion in Collegiate Football Players. JAMA - Journal of the American Medical Association, 2003, 290, 2556.	7.4	1,276
112	Cumulative Effects Associated With Recurrent Concussion in Collegiate Football Players. JAMA - Journal of the American Medical Association, 2003, 290, 2549.	7.4	1,377
113	Sensitivity and specificity of standardized neurocognitive testing immediately following sports concussion. Journal of the International Neuropsychological Society, 2001, 7, 693-702.	1.8	256
114	Standardized Mental Status Testing on the Sideline After Sport-Related Concussion. Journal of Athletic Training, 2001, 36, 274-279.	1.8	152
115	A Survey of Practice Patterns in Concussion Assessment and Management. Journal of Athletic Training, 2001, 36, 145-149.	1.8	55