

# 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	Consensus statement on concussion in sport—the 5 <sup>th</sup> 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
2	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
3	Cumulative Effects Associated With Recurrent Concussion in Collegiate Football Players. <i>JAMA - Journal of the American Medical Association</i> , 2003, 290, 2549.	7.4	1,377
4	Acute Effects and Recovery Time Following Concussion in Collegiate Football Players. <i>JAMA - Journal of the American Medical Association</i> , 2003, 290, 2556.	7.4	1,276
5	Unreported Concussion in High School Football Players. <i>Clinical Journal of Sport Medicine</i> , 2004, 14, 13-17.	1.8	1,033
6	Association between Recurrent Concussion and Late-Life Cognitive Impairment in Retired Professional Football Players. <i>Neurosurgery</i> , 2005, 57, 719-726.	1.1	959
7	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
8	Benefits of Strict Rest After Acute Concussion: A Randomized Controlled Trial. <i>Pediatrics</i> , 2015, 135, 213-223.	2.1	431
9	The Sport Concussion Assessment Tool 5th Edition (SCAT5). <i>British Journal of Sports Medicine</i> , 2017, 51, bjsports-2017-097506.	6.7	414
10	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
11	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
12	5th International Conference on Concussion in Sport (Berlin). <i>British Journal of Sports Medicine</i> , 2017, 51, 837-837.	6.7	315
13	Standard regression-based methods for measuring recovery after sport-related concussion. <i>Journal of the International Neuropsychological Society</i> , 2005, 11, 58-69.	1.8	309
14	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
15	Sensitivity and specificity of standardized neurocognitive testing immediately following sports concussion. <i>Journal of the International Neuropsychological Society</i> , 2001, 7, 693-702.	1.8	256
16	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
17	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
18	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

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19	Management of Concussion and Mild Traumatic Brain Injury: A Synthesis of Practice Guidelines. Archives of Physical Medicine and Rehabilitation, 2020, 101, 382-393.	0.9	180
20	Role of advanced neuroimaging, fluid biomarkers and genetic testing in the assessment of sport-related concussion: a systematic review. British Journal of Sports Medicine, 2017, 51, 919-929.	6.7	164
21	Standardized Mental Status Testing on the Sideline After Sport-Related Concussion. Journal of Athletic Training, 2001, 36, 274-279.	1.8	152
22	Test-Retest Reliability and Interpretation of Common Concussion Assessment Tools: Findings from the NCAA-DoD CARE Consortium. Sports Medicine, 2018, 48, 1255-1268.	6.5	140
23	Acute Effects and Recovery After Sport-Related Concussion. Journal of Head Trauma Rehabilitation, 2010, 25, 283-292.	1.7	136
24	Long-Term Cognitive and Neuropsychiatric Consequences of Repetitive Concussion and Head-Impact Exposure. Journal of Athletic Training, 2017, 52, 309-317.	1.8	131
25	Approach to investigation and treatment of persistent symptoms following sport-related concussion: a systematic review. British Journal of Sports Medicine, 2017, 51, 958-968.	6.7	124
26	Association of Blood Biomarkers With Acute Sport-Related Concussion in Collegiate Athletes. JAMA Network Open, 2020, 3, e1919771.	5.9	116
27	The evolution of white matter microstructural changes after mild traumatic brain injury: A longitudinal DTI and NODDI study. Science Advances, 2020, 6, eaaz6892.	10.3	106
28	Infographic: Consensus statement on concussion in sport. British Journal of Sports Medicine, 2017, 51, 1557-1558.	6.7	87
29	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). British Journal of Sports Medicine, 2020, 54, 102-109.	6.7	73
30	Protective Equipment and Player Characteristics Associated With the Incidence of Sport-Related Concussion in High School Football Players. American Journal of Sports Medicine, 2014, 42, 2470-2478.	4.2	70
31	What are the critical elements of sideline screening that can be used to establish the diagnosis of concussion? A systematic review. British Journal of Sports Medicine, 2017, 51, bjsports-2016-097441.	6.7	67
32	Head Impact Density: A Model To Explain the Elusive Concussion Threshold. Journal of Neurotrauma, 2017, 34, 2675-2683.	3.4	66
33	Quantifying the Value of Multidimensional Assessment Models for Acute Concussion: An Analysis of Data from the NCAA-DoD Care Consortium. Sports Medicine, 2018, 48, 1739-1749.	6.5	65
34	Comparison of Head Impact Exposure Between Concussed Football Athletes and Matched Controls: Evidence for a Possible Second Mechanism of Sport-Related Concussion. Annals of Biomedical Engineering, 2019, 47, 2057-2072.	2.5	65
35	Baseline Performance of NCAA Athletes on a Concussion Assessment Battery: A Report from the CARE Consortium. Sports Medicine, 2018, 48, 1971-1985.	6.5	64
36	Activity-Related Symptom Exacerbations After Pediatric Concussion. JAMA Pediatrics, 2016, 170, 946.	6.2	63

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37	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
38	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
39	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
40	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
41	A Survey of Practice Patterns in Concussion Assessment and Management. <i>Journal of Athletic Training</i> , 2001, 36, 145-149.	1.8	55
42	Sports concussion assessment and management: Future research directions. <i>Brain Injury</i> , 2015, 29, 276-282.	1.2	54
43	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
44	Pathological Computed Tomography Features Associated With Adverse Outcomes After Mild Traumatic Brain Injury. <i>JAMA Neurology</i> , 2021, 78, 1137.	9.0	53
45	Acute Sport Concussion Assessment Optimization: A Prospective Assessment from the CARE Consortium. <i>Sports Medicine</i> , 2019, 49, 1977-1987.	6.5	51
46	Day of injury assessment of sport-related concussion. <i>British Journal of Sports Medicine</i> , 2013, 47, 272-284.	6.7	50
47	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
48	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
49	The Concussion Recognition Tool 5th Edition (CRT5). <i>British Journal of Sports Medicine</i> , 2017, 51, bjsports-2017-097508.	6.7	38
50	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
51	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
52	Developing a Cognition Endpoint for Traumatic Brain Injury Clinical Trials. <i>Journal of Neurotrauma</i> , 2017, 34, 363-371.	3.4	35
53	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
54	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

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55	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
56	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
57	The Effectiveness of Prescribed Rest Depends on Initial Presentation After Concussion. <i>Journal of Pediatrics</i> , 2017, 185, 167-172.	1.8	31
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.	2.5	30
59	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
60	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
61	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
62	Age at First Concussion Influences the Number of Subsequent Concussions. <i>Pediatric Neurology</i> , 2018, 81, 19-24.	2.1	28
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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.	6.7	21
71	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
72	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

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73	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
74	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
75	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
76	Association of Posttraumatic Epilepsy With 1-Year Outcomes After Traumatic Brain Injury. <i>JAMA Network Open</i> , 2021, 4, e2140191.	5.9	18
77	Quantitative Susceptibility Mapping after Sports-Related Concussion. <i>American Journal of Neuroradiology</i> , 2018, 39, 1215-1221.	2.4	17
78	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.	4.2	16
79	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
80	Evidence-Based Management of Sport-Related Concussion. <i>Progress in Neurological Surgery</i> , 2014, 28, 112-127.	1.3	14
81	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
82	Clinical Reaction-Time Performance Factors in Healthy Collegiate Athletes. <i>Journal of Athletic Training</i> , 2020, 55, 601-607.	1.8	12
83	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
84	Concussion-Recovery Trajectories Among Tactical Athletes: Results From the CARE Consortium. <i>Journal of Athletic Training</i> , 2020, 55, 658-665.	1.8	12
85	President's Annual State of the Academy Report. <i>Clinical Neuropsychologist</i> , 2012, 26, 1-12.	2.3	9
86	State of the Science on Pediatric Mild Traumatic Brain Injury. <i>JAMA Pediatrics</i> , 2018, 172, e182846.	6.2	9
87	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
88	Measuring Blunt Force Head Impacts in Athletes. <i>Military Medicine</i> , 2020, 185, 190-196.	0.8	9
89	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
90	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

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91	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
92	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
93	Acute Post-Concussive Assessments of Brain Tissue Magnetism Using Magnetic Resonance Imaging. <i>Journal of Neurotrauma</i> , 2021, 38, 848-857.	3.4	8
94	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
95	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
96	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
97	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
98	Split-slice training and hyperparameter tuning of RAKI networks for simultaneous multi-slice reconstruction. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 3272-3280.	3.0	6
99	Medical Disqualification Following Concussion in Collegiate Student-Athletes: Findings from the CARE Consortium. <i>Sports Medicine</i> , 2020, 50, 1843-1855.	6.5	5
100	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
101	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
102	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
103	Summary of the 2015 University of Michigan Sport Concussion Summit. <i>Concussion</i> , 2016, 1, CNC23.	1.0	4
104	Clinical Reaction Time After Concussion: Change From Baseline Versus Normative-Based Cutoff Scores. <i>Journal of Athletic Training</i> , 2020, , .	1.8	4
105	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
106	Flying After Concussion and Symptom Recovery in College Athletes and Military Cadets. <i>JAMA Network Open</i> , 2020, 3, e2025082.	5.9	3
107	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
108	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



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109	President's Annual State of the Academy Report. <i>Clinical Neuropsychologist</i> , 2011, 25, 3-11.	2.3	2
110	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
111	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
112	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
113	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
114	122â€¦School-level determinants of variability in observed concussion incidence: a care consortium study. , 2020, , .		0
115	4A.003â€¦Post-career transition experiences of professional American football players retiring from brain-health concerns. , 2021, , .		0