Timothy B Meier

List of Publications by Year
in descending order

87 papers	4,274 citations	159585 30 h-index	123424 61 g-index
88 all docs	88 docs citations	88 times ranked	5793 citing authors

#	Article	IF	Citations
1	The effect of scan length on the reliability of resting-state fMRI connectivity estimates. NeuroImage, 2013, 83, 550-558.	4.2	707
2	The effect of resting condition on resting-state fMRI reliability and consistency: A comparison between resting with eyes open, closed, and fixated. NeuroImage, 2013, 78, 463-473.	4.2	334
3	Age-Related Reorganizational Changes in Modularity and Functional Connectivity of Human Brain Networks. Brain Connectivity, 2014, 4, 662-676.	1.7	233
4	Recovery of Cerebral Blood Flow Following Sports-Related Concussion. JAMA Neurology, 2015, 72, 530.	9.0	224
5	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
6	Support vector machine classification and characterization of age-related reorganization of functional brain networks. NeuroImage, 2012, 60, 601-613.	4.2	160
7	The underreporting of self-reported symptoms following sports-related concussion. Journal of Science and Medicine in Sport, 2015, 18, 507-511.	1.3	151
8	Relationship between neurotoxic kynurenine metabolites and reductions in right medial prefrontal cortical thickness in major depressive disorder. Brain, Behavior, and Immunity, 2016, 53, 39-48.	4.1	136
9	Association of Blood Biomarkers With Acute Sport-Related Concussion in Collegiate Athletes. JAMA Network Open, 2020, 3, e1919771.	5.9	116
10	Relationship of Collegiate Football Experience and Concussion With Hippocampal Volume and Cognitive Outcomes. JAMA - Journal of the American Medical Association, 2014, 311, 1883.	7.4	109
11	Longitudinal assessment of white matter abnormalities following sportsâ€related concussion. Human Brain Mapping, 2016, 37, 833-845.	3.6	95
12	Age-Related Differences in Test-Retest Reliability in Resting-State Brain Functional Connectivity. PLoS ONE, 2012, 7, e49847.	2.5	92
13	The Influence of Physiological Noise Correction on Testâ€“Retest Reliability of Resting-State Functional Connectivity. Brain Connectivity, 2014, 4, 511-522.	1.7	84
14	Activation of the kynurenine pathway is associated with striatal volume in major depressive disorder. Psychoneuroendocrinology, 2015, 62, 54-58.	2.7	80
15	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). British Journal of Sports Medicine, 2020, 54, 102-109.	6.7	73
16	Characterizing Functional Connectivity Differences in Aging Adults using Machine Learning on Resting State fMRI Data. Frontiers in Computational Neuroscience, 2013, 7, 38.	2.1	69
17	Advanced biomarkers of pediatric mild traumatic brain injury: Progress and perils. Neuroscience and Biobehavioral Reviews, 2018, 94, 149-165.	6.1	66
18	Prospective Assessment of Acute Blood Markers of Brain Injury in Sport-Related Concussion. Journal of Neurotrauma, 2017, 34, 3134-3142.	3.4	63

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19	Acute White-Matter Abnormalities in Sports-Related Concussion: A Diffusion Tensor Imaging Study from the NCAA-DoD CARE Consortium. Journal of Neurotrauma, 2018, 35, 2653-2664.	3.4	61
20	Acute elevation of serum inflammatory markers predicts symptom recovery after concussion. Neurology, 2019, 93, e497-e507.	1.1	61
21	A Prospective Study of Acute Bloodâ€Based Biomarkers for Sportâ€Related Concussion. Annals of Neurology, 2020, 87, 907-920.	5.3	55
22	Longitudinal assessment of local and global functional connectivity following sports-related concussion. Brain Imaging and Behavior, 2017, 11, 129-140.	2.1	52
23	Longitudinal white-matter abnormalities in sports-related concussion. Neurology, 2020, 95, e781-e792.	1.1	47
24	Thinner Cortex in Collegiate Football Players With, but not Without, a Self-Reported History of Concussion. Journal of Neurotrauma, 2016, 33, 330-338.	3.4	45
25	Cerebral blood flow in acute concussion: preliminary ASL findings from the NCAA-DoD CARE consortium. Brain Imaging and Behavior, 2019, 13, 1375-1385.	2.1	45
26	A Longitudinal Assessment of Structural and Chemical Alterations in Mixed Martial Arts Fighters. Journal of Neurotrauma, 2015, 32, 1759-1767.	3.4	42
27	Chronic differences in white matter integrity following sportâ€related concussion as measured by diffusion MRI: 6â€Month followâ€up. Human Brain Mapping, 2018, 39, 4276-4289.	3.6	41
28	Restingâ€state functional connectivity after concussion is associated with clinical recovery. Human Brain Mapping, 2019, 40, 1211-1220.	3.6	41
29	Kynurenic acid is reduced in females and oral contraceptive users: Implications for depression. Brain, Behavior, and Immunity, 2018, 67, 59-64.	4.1	40
30	Resting-State fMRI Metrics in Acute Sport-Related Concussion and Their Association with Clinical Recovery: A Study from the NCAA-DOD CARE Consortium. Journal of Neurotrauma, 2020, 37, 152-162.	3.4	40
31	Prevalence of Potentially Clinically Significant Magnetic Resonance Imaging Findings in Athletes with and without Sport-Related Concussion. Journal of Neurotrauma, 2019, 36, 1776-1785.	3.4	37
32	A prospective microstructure imaging study in mixed-martial artists using geometric measures and diffusion tensor imaging: methods and findings. Brain Imaging and Behavior, 2017, 11, 698-711.	2.1	33
33	Plasma Biomarker Concentrations Associated With Return to Sport Following Sport-Related Concussion in Collegiate Athletesâ€"A Concussion Assessment, Research, and Education (CARE) Consortium Study. JAMA Network Open, 2020, 3, e2013191.	5.9	32
34	Mood symptoms correlate with kynurenine pathway metabolites following sports-related concussion. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 670-675.	1.9	31
35	Smaller Dentate Gyrus and CA2 and CA3 Volumes Are Associated with Kynurenine Metabolites in Collegiate Football Athletes. Journal of Neurotrauma, 2016, 33, 1349-1357.	3.4	28
36	Longitudinal Reproducibility of MR Perfusion Using 3D Pseudocontinuous Arterial Spin Labeling With Hadamardâ€Encoded Multiple Postlabeling Delays. Journal of Magnetic Resonance Imaging, 2020, 51, 1846-1853.	3.4	27

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37	A functional magnetic resonance imaging study of cognitive control and neurosensory deficits in mild traumatic brain injury. Human Brain Mapping, 2015, 36, 4394-4406.	3.6	26
38	Fluid Biomarkers of Pediatric Mild Traumatic Brain Injury: A Systematic Review. Journal of Neurotrauma, 2020, 37, 2029-2044.	3.4	25
39	Assessment of Blood Biomarker Profile After Acute Concussion During Combative Training Among US Military Cadets. JAMA Network Open, 2021, 4, e2037731.	5.9	25
40	Serial Assessment of Gray Matter Abnormalities after Sport-Related Concussion. Journal of Neurotrauma, 2017, 34, 3143-3152.	3.4	23
41	Stability of MRI metrics in the advanced research core of the NCAA-DoD concussion assessment, research and education (CARE) consortium. Brain Imaging and Behavior, 2018, 12, 1121-1140.	2.1	22
42	Parallel ICA identifies sub-components of resting state networks that covary with behavioral indices. Frontiers in Human Neuroscience, 2012, 6, 281.	2.0	21
43	Abnormalities in Functional Connectivity in Collegiate Football Athletes with and without a Concussion History: Implications and Role of Neuroactive Kynurenine Pathway Metabolites. Journal of Neurotrauma, 2017, 34, 824-837.	3.4	21
44	Association of acute depressive symptoms and functional connectivity of emotional processing regions following sport-related concussion. NeuroImage: Clinical, 2018, 19, 434-442.	2.7	21
45	Persistent alterations in cerebrovascular reactivity in response to hypercapnia following pediatric mild traumatic brain injury. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2491-2504.	4.3	21
46	The Kynurenine Pathway in Traumatic Brain Injury: Implications for Psychiatric Outcomes. Biological Psychiatry, 2022, 91, 449-458.	1.3	20
47	Proactive inhibition deficits with normal perfusion after pediatric mild traumatic brain injury. Human Brain Mapping, 2019, 40, 5370-5381.	3.6	18
48	Quantitative Susceptibility Mapping after Sports-Related Concussion. American Journal of Neuroradiology, 2018, 39, 1215-1221.	2.4	17
49	Neurosensory Deficits Vary as a Function of Point of Care in Pediatric Mild Traumatic Brain Injury. Journal of Neurotrauma, 2018, 35, 1178-1184.	3.4	16
50	Cumulative Effects of Prior Concussion and Primary Sport Participation on Brain Morphometry in Collegiate Athletes: A Study From the NCAAâ€“DoD CARE Consortium. Frontiers in Neurology, 2020, 11, 673.	2.4	16
51	Restingâ€State Power and Regional Connectivity After Pediatric Mild Traumatic Brain Injury. Journal of Magnetic Resonance Imaging, 2020, 52, 1701-1713.	3.4	16
52	The Association Between Persistent White-Matter Abnormalities and Repeat Injury After Sport-Related Concussion. Frontiers in Neurology, 2019, 10, 1345.	2.4	16
53	Age-Related Changes in BOLD Activation Pattern in Phonemic Fluency Paradigm: An Investigation of Activation, Functional Connectivity and Psychophysiological Interactions. Frontiers in Aging Neuroscience, 2016, 8, 110.	3.4	15
54	Prognosis for Persistent Post Concussion Symptoms using a Multifaceted Objective Gait and Balance Assessment Approach. Gait and Posture, 2020, 79, 53-59.	1.4	15

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55	Capacity-Speed Relationships in Prefrontal Cortex. PLoS ONE, 2011, 6, e27504.	2.5	14
56	Quantifying Activity Levels After Sport-Related Concussion Using Actigraph and Mobile (mHealth) Technologies. Journal of Athletic Training, 2019, 54, 929-938.	1.8	14
57	Prospective study of the effects of sport-related concussion on serum kynurenine pathway metabolites. Brain, Behavior, and Immunity, 2020, 87, 715-724.	4.1	13
58	Survival Rates and Biomarkers in a Large Animal Model of Traumatic Brain Injury Combined With Two Different Levels of Blood Loss. Shock, 2021, 55, 554-562.	2.1	13
59	Serial Diffusion Kurtosis Magnetic Resonance Imaging Study during Acute, Subacute, and Recovery Periods after Sport-Related Concussion. Journal of Neurotrauma, 2020, 37, 2081-2092.	3.4	12
60	Association of Previous Concussion with Hippocampal Volume and Symptoms in Collegiate-Aged Athletes. Journal of Neurotrauma, 2021, 38, 1358-1367.	3.4	12
61	Positive association between serum quinolinic acid and functional connectivity following concussion. Brain, Behavior, and Immunity, 2021, 91, 531-540.	4.1	11
62	Extracellular vesicle-associated cytokines in sport-related concussion. Brain, Behavior, and Immunity, 2022, 100, 83-87.	4.1	10
63	Prospective study of the association between sport-related concussion and brain morphometry (3T-MRI) in collegiate athletes: study from the NCAA-DoD CARE Consortium. British Journal of Sports Medicine, 2021, 55, 169-174.	6.7	9
64	Systemic inflammation moderates the association of prior concussion with hippocampal volume and episodic memory in high school and collegiate athletes. Brain, Behavior, and Immunity, 2020, 89, 380-388.	4.1	8
65	The ENIGMA sports injury working group:â€“ an international collaboration to further our understanding of sport-related brain injury. Brain Imaging and Behavior, 2021, 15, 576-584.	2.1	8
66	Acute Post-Concussive Assessments of Brain Tissue Magnetism Using Magnetic Resonance Imaging. Journal of Neurotrauma, 2021, 38, 848-857.	3.4	8
67	Amygdala response to emotional faces in adolescents with persistent post-concussion symptoms. NeuroImage: Clinical, 2020, 26, 102217.	2.7	7
68	Head Impact Exposure, Gray Matter Volume, and Moderating Effects of Estimated Intelligence Quotient and Educational Attainment in Former Athletes at Midlife. Journal of Neurotrauma, 2022, 39, 497-507.	3.4	7
69	Association of Head Impact Exposure with White Matter Macrostructure and Microstructure Metrics. Journal of Neurotrauma, 2021, 38, 474-484.	3.4	6
70	Reproducibility and Characterization of Head Kinematics During a Large Animal Acceleration Model of Traumatic Brain Injury. Frontiers in Neurology, 2021, 12, 658461.	2.4	6
71	Delineating potential epileptogenic areas utilizing resting functional magnetic resonance imaging (fMRI) in epilepsy patients. Neurocase, 2016, 22, 362-368.	0.6	5
72	Testâ€“Retest Reliability of a Semi-Structured Interview to Aid in Pediatric Traumatic Brain Injury Diagnosis. Journal of the International Neuropsychological Society, 2022, 28, 687-699.	1.8	5

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73	Investigating the diagnostic accuracy of a paper-and-pencil and a computerized cognitive test battery for pediatric mild traumatic brain injury.. Neuropsychology, 2022, 36, 565-577.	1.3	5
74	The neural correlates of age effects on verbalâ€“spatial binding in working memory. Behavioural Brain Research, 2014, 266, 146-152.	2.2	4
75	Research Letter: Sleep Mediates the Association Between Prior Concussion and Depressive Symptoms. Journal of Head Trauma Rehabilitation, 2021, 36, E284-E288.	1.7	4
76	Investigating the overlapping associations of prior concussion, default mode connectivity, and executive function-based symptoms. Brain Imaging and Behavior, 2022, 16, 1275-1283.	2.1	4
77	Spatial distribution bias in subject-specific abnormalities analyses. Brain Imaging and Behavior, 2018, 12, 1828-1834.	2.1	3
78	The Association Between Concussion History and Increased Symptom Severity Reporting Is Independent of Common Medical Comorbidities, Personality Factors, and Sleep Quality in Collegiate Athletes. Journal of Head Trauma Rehabilitation, 2021, Publish Ahead of Print, .	1.7	3
79	Multicompartmental models and diffusion abnormalities in paediatric mild traumatic brain injury. Brain, 2022, 145, 4124-4137.	7.6	3
80	Neurosensory Screening and Symptom Provocation in Pediatric Mild Traumatic Brain Injury. Journal of Head Trauma Rehabilitation, 2020, 35, 270-278.	1.7	2
81	Age-Group Differences and Annual Variation in Return-To-Play Practices After Sport-Related Concussion. Clinical Journal of Sport Medicine, 2022, 32, e52-e60.	1.8	2
82	Non-Linear Device Head Coupling and Temporal Delays in Large Animal Acceleration Models of Traumatic Brain Injury. Annals of Biomedical Engineering, 2022, , 1.	2.5	2
83	Hiding in Plain Sight: Factors Influencing the Neuroinflammatory Response to Sport-Related Concussion. Neurotrauma Reports, 2022, 3, 200-206.	1.4	2
84	Effects of White-Matter Tract Length in Sport-Related Concussion: A Tractography Study from the NCAA-DoD CARE Consortium. Journal of Neurotrauma, 2022, 39, 1495-1506.	3.4	2
85	Proteomic Profiling of Plasma Biomarkers Associated With Return to Sport Following Concussion: Findings From the NCAA and Department of Defense CARE Consortium. Frontiers in Neurology, 0, 13, .	2.4	1
86	Validating age-related functional imaging changes in verbal working memory with acute stroke. Behavioural Neurology, 2011, 24, 187-99.	2.1	0
87	Age-Group Differences and Annual Variation in Return-To-Play Practices After Sport-Related Concussion. Clinical Journal of Sport Medicine, 2020, , .	1.8	0