

Timothy B Meier

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

4,274
citations

159585

30
h-index

123424

61
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88
all docs

88
docs citations

88
times ranked

5793
citing authors

#	ARTICLE	IF	CITATIONS
1	The Kynurenine Pathway in Traumatic Brain Injury: Implications for Psychiatric Outcomes. <i>Biological Psychiatry</i> , 2022, 91, 449-458.	1.3	20
2	Test-Retest Reliability of a Semi-Structured Interview to Aid in Pediatric Traumatic Brain Injury Diagnosis. <i>Journal of the International Neuropsychological Society</i> , 2022, 28, 687-699.	1.8	5
3	Extracellular vesicle-associated cytokines in sport-related concussion. <i>Brain, Behavior, and Immunity</i> , 2022, 100, 83-87.	4.1	10
4	Investigating the overlapping associations of prior concussion, default mode connectivity, and executive function-based symptoms. <i>Brain Imaging and Behavior</i> , 2022, 16, 1275-1283.	2.1	4
5	Age-Group Differences and Annual Variation in Return-To-Play Practices After Sport-Related Concussion. <i>Clinical Journal of Sport Medicine</i> , 2022, 32, e52-e60.	1.8	2
6	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
7	Non-Linear Device Head Coupling and Temporal Delays in Large Animal Acceleration Models of Traumatic Brain Injury. <i>Annals of Biomedical Engineering</i> , 2022, , 1.	2.5	2
8	Investigating the diagnostic accuracy of a paper-and-pencil and a computerized cognitive test battery for pediatric mild traumatic brain injury. <i>Neuropsychology</i> , 2022, 36, 565-577.	1.3	5
9	Hiding in Plain Sight: Factors Influencing the Neuroinflammatory Response to Sport-Related Concussion. <i>Neurotrauma Reports</i> , 2022, 3, 200-206.	1.4	2
10	Multicompartmental models and diffusion abnormalities in paediatric mild traumatic brain injury. <i>Brain</i> , 2022, 145, 4124-4137.	7.6	3
11	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
12	Positive association between serum quinolinic acid and functional connectivity following concussion. <i>Brain, Behavior, and Immunity</i> , 2021, 91, 531-540.	4.1	11
13	The ENIGMA sports injury working group: an international collaboration to further our understanding of sport-related brain injury. <i>Brain Imaging and Behavior</i> , 2021, 15, 576-584.	2.1	8
14	Association of Head Impact Exposure with White Matter Macrostructure and Microstructure Metrics. <i>Journal of Neurotrauma</i> , 2021, 38, 474-484.	3.4	6
15	Acute Post-Concussive Assessments of Brain Tissue Magnetism Using Magnetic Resonance Imaging. <i>Journal of Neurotrauma</i> , 2021, 38, 848-857.	3.4	8
16	Prospective study of the association between sport-related concussion and brain morphometry (3T-MRI) in collegiate athletes: study from the NCAA-DoD CARE Consortium. <i>British Journal of Sports Medicine</i> , 2021, 55, 169-174.	6.7	9
17	Research Letter: Sleep Mediates the Association Between Prior Concussion and Depressive Symptoms. <i>Journal of Head Trauma Rehabilitation</i> , 2021, 36, E284-E288.	1.7	4
18	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

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19	Association of Previous Concussion with Hippocampal Volume and Symptoms in Collegiate-Aged Athletes. <i>Journal of Neurotrauma</i> , 2021, 38, 1358-1367.	3.4	12
20	Reproducibility and Characterization of Head Kinematics During a Large Animal Acceleration Model of Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2021, 12, 658461.	2.4	6
21	The Association Between Concussion History and Increased Symptom Severity Reporting Is Independent of Common Medical Comorbidities, Personality Factors, and Sleep Quality in Collegiate Athletes. <i>Journal of Head Trauma Rehabilitation</i> , 2021, Publish Ahead of Print, .	1.7	3
22	Survival Rates and Biomarkers in a Large Animal Model of Traumatic Brain Injury Combined With Two Different Levels of Blood Loss. <i>Shock</i> , 2021, 55, 554-562.	2.1	13
23	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
24	Resting-State fMRI Metrics in Acute Sport-Related Concussion and Their Association with Clinical Recovery: A Study from the NCAA-DOD CARE Consortium. <i>Journal of Neurotrauma</i> , 2020, 37, 152-162.	3.4	40
25	Persistent alterations in cerebrovascular reactivity in response to hypercapnia following pediatric mild traumatic brain injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 2491-2504.	4.3	21
26	Longitudinal Reproducibility of MR Perfusion Using 3D Pseudocontinuous Arterial Spin Labeling With Hadamardâ€“Encoded Multiple Postlabeling Delays. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1846-1853.	3.4	27
27	Neurosensory Screening and Symptom Provocation in Pediatric Mild Traumatic Brain Injury. <i>Journal of Head Trauma Rehabilitation</i> , 2020, 35, 270-278.	1.7	2
28	Longitudinal white-matter abnormalities in sports-related concussion. <i>Neurology</i> , 2020, 95, e781-e792.	1.1	47
29	Cumulative Effects of Prior Concussion and Primary Sport Participation on Brain Morphometry in Collegiate Athletes: A Study From the NCAAâ€“DoD CARE Consortium. <i>Frontiers in Neurology</i> , 2020, 11, 673.	2.4	16
30	Systemic inflammation moderates the association of prior concussion with hippocampal volume and episodic memory in high school and collegiate athletes. <i>Brain, Behavior, and Immunity</i> , 2020, 89, 380-388.	4.1	8
31	Plasma Biomarker Concentrations Associated With Return to Sport Following Sport-Related Concussion in Collegiate Athletesâ€“A Concussion Assessment, Research, and Education (CARE) Consortium Study. <i>JAMA Network Open</i> , 2020, 3, e2013191.	5.9	32
32	Prospective study of the effects of sport-related concussion on serum kynurenine pathway metabolites. <i>Brain, Behavior, and Immunity</i> , 2020, 87, 715-724.	4.1	13
33	A Prospective Study of Acute Bloodâ€“Based Biomarkers for Sportâ€“Related Concussion. <i>Annals of Neurology</i> , 2020, 87, 907-920.	5.3	55
34	Restingâ€“State Power and Regional Connectivity After Pediatric Mild Traumatic Brain Injury. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 1701-1713.	3.4	16
35	Amygdala response to emotional faces in adolescents with persistent post-concussion symptoms. <i>NeuroImage: Clinical</i> , 2020, 26, 102217.	2.7	7
36	Association of Blood Biomarkers With Acute Sport-Related Concussion in Collegiate Athletes. <i>JAMA Network Open</i> , 2020, 3, e1919771.	5.9	116

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37	Prognosis for Persistent Post Concussion Symptoms using a Multifaceted Objective Gait and Balance Assessment Approach. <i>Gait and Posture</i> , 2020, 79, 53-59.	1.4	15
38	Fluid Biomarkers of Pediatric Mild Traumatic Brain Injury: A Systematic Review. <i>Journal of Neurotrauma</i> , 2020, 37, 2029-2044.	3.4	25
39	Serial Diffusion Kurtosis Magnetic Resonance Imaging Study during Acute, Subacute, and Recovery Periods after Sport-Related Concussion. <i>Journal of Neurotrauma</i> , 2020, 37, 2081-2092.	3.4	12
40	Age-Group Differences and Annual Variation in Return-To-Play Practices After Sport-Related Concussion. <i>Clinical Journal of Sport Medicine</i> , 2020, , .	1.8	0
41	Quantifying Activity Levels After Sport-Related Concussion Using Actigraph and Mobile (mHealth) Technologies. <i>Journal of Athletic Training</i> , 2019, 54, 929-938.	1.8	14
42	Acute elevation of serum inflammatory markers predicts symptom recovery after concussion. <i>Neurology</i> , 2019, 93, e497-e507.	1.1	61
43	Proactive inhibition deficits with normal perfusion after pediatric mild traumatic brain injury. <i>Human Brain Mapping</i> , 2019, 40, 5370-5381.	3.6	18
44	Prevalence of Potentially Clinically Significant Magnetic Resonance Imaging Findings in Athletes with and without Sport-Related Concussion. <i>Journal of Neurotrauma</i> , 2019, 36, 1776-1785.	3.4	37
45	Cerebral blood flow in acute concussion: preliminary ASL findings from the NCAA-DoD CARE consortium. <i>Brain Imaging and Behavior</i> , 2019, 13, 1375-1385.	2.1	45
46	Resting-state functional connectivity after concussion is associated with clinical recovery. <i>Human Brain Mapping</i> , 2019, 40, 1211-1220.	3.6	41
47	The Association Between Persistent White-Matter Abnormalities and Repeat Injury After Sport-Related Concussion. <i>Frontiers in Neurology</i> , 2019, 10, 1345.	2.4	16
48	Spatial distribution bias in subject-specific abnormalities analyses. <i>Brain Imaging and Behavior</i> , 2018, 12, 1828-1834.	2.1	3
49	Stability of MRI metrics in the advanced research core of the NCAA-DoD concussion assessment, research and education (CARE) consortium. <i>Brain Imaging and Behavior</i> , 2018, 12, 1121-1140.	2.1	22
50	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
51	Kynurenic acid is reduced in females and oral contraceptive users: Implications for depression. <i>Brain, Behavior, and Immunity</i> , 2018, 67, 59-64.	4.1	40
52	Association of acute depressive symptoms and functional connectivity of emotional processing regions following sport-related concussion. <i>NeuroImage: Clinical</i> , 2018, 19, 434-442.	2.7	21
53	Chronic differences in white matter integrity following sport-related concussion as measured by diffusion MRI: 6-month follow-up. <i>Human Brain Mapping</i> , 2018, 39, 4276-4289.	3.6	41
54	Neurosensory Deficits Vary as a Function of Point of Care in Pediatric Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 1178-1184.	3.4	16

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55	Advanced biomarkers of pediatric mild traumatic brain injury: Progress and perils. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 94, 149-165.	6.1	66
56	Quantitative Susceptibility Mapping after Sports-Related Concussion. <i>American Journal of Neuroradiology</i> , 2018, 39, 1215-1221.	2.4	17
57	Longitudinal assessment of local and global functional connectivity following sports-related concussion. <i>Brain Imaging and Behavior</i> , 2017, 11, 129-140.	2.1	52
58	A prospective microstructure imaging study in mixed-martial artists using geometric measures and diffusion tensor imaging: methods and findings. <i>Brain Imaging and Behavior</i> , 2017, 11, 698-711.	2.1	33
59	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
60	Prospective Assessment of Acute Blood Markers of Brain Injury in Sport-Related Concussion. <i>Journal of Neurotrauma</i> , 2017, 34, 3134-3142.	3.4	63
61	Serial Assessment of Gray Matter Abnormalities after Sport-Related Concussion. <i>Journal of Neurotrauma</i> , 2017, 34, 3143-3152.	3.4	23
62	Abnormalities in Functional Connectivity in Collegiate Football Athletes with and without a Concussion History: Implications and Role of Neuroactive Kynurenine Pathway Metabolites. <i>Journal of Neurotrauma</i> , 2017, 34, 824-837.	3.4	21
63	Age-Related Changes in BOLD Activation Pattern in Phonemic Fluency Paradigm: An Investigation of Activation, Functional Connectivity and Psychophysiological Interactions. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 110.	3.4	15
64	Smaller Dentate Gyrus and CA2 and CA3 Volumes Are Associated with Kynurenine Metabolites in Collegiate Football Athletes. <i>Journal of Neurotrauma</i> , 2016, 33, 1349-1357.	3.4	28
65	Delineating potential epileptogenic areas utilizing resting functional magnetic resonance imaging (fMRI) in epilepsy patients. <i>Neurocase</i> , 2016, 22, 362-368.	0.6	5
66	Longitudinal assessment of white matter abnormalities following sports-related concussion. <i>Human Brain Mapping</i> , 2016, 37, 833-845.	3.6	95
67	Relationship between neurotoxic kynurenine metabolites and reductions in right medial prefrontal cortical thickness in major depressive disorder. <i>Brain, Behavior, and Immunity</i> , 2016, 53, 39-48.	4.1	136
68	Thinner Cortex in Collegiate Football Players With, but not Without, a Self-Reported History of Concussion. <i>Journal of Neurotrauma</i> , 2016, 33, 330-338.	3.4	45
69	Mood symptoms correlate with kynurenine pathway metabolites following sports-related concussion. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 670-675.	1.9	31
70	A functional magnetic resonance imaging study of cognitive control and neurosensory deficits in mild traumatic brain injury. <i>Human Brain Mapping</i> , 2015, 36, 4394-4406.	3.6	26
71	The underreporting of self-reported symptoms following sports-related concussion. <i>Journal of Science and Medicine in Sport</i> , 2015, 18, 507-511.	1.3	151
72	Activation of the kynurenine pathway is associated with striatal volume in major depressive disorder. <i>Psychoneuroendocrinology</i> , 2015, 62, 54-58.	2.7	80

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73	A Longitudinal Assessment of Structural and Chemical Alterations in Mixed Martial Arts Fighters. <i>Journal of Neurotrauma</i> , 2015, 32, 1759-1767.	3.4	42
74	Recovery of Cerebral Blood Flow Following Sports-Related Concussion. <i>JAMA Neurology</i> , 2015, 72, 530.	9.0	224
75	Relationship of Collegiate Football Experience and Concussion With Hippocampal Volume and Cognitive Outcomes. <i>JAMA - Journal of the American Medical Association</i> , 2014, 311, 1883.	7.4	109
76	Age-Related Reorganizational Changes in Modularity and Functional Connectivity of Human Brain Networks. <i>Brain Connectivity</i> , 2014, 4, 662-676.	1.7	233
77	The neural correlates of age effects on verbal spatial binding in working memory. <i>Behavioural Brain Research</i> , 2014, 266, 146-152.	2.2	4
78	The Influence of Physiological Noise Correction on Test-Retest Reliability of Resting-State Functional Connectivity. <i>Brain Connectivity</i> , 2014, 4, 511-522.	1.7	84
79	The effect of resting condition on resting-state fMRI reliability and consistency: A comparison between resting with eyes open, closed, and fixated. <i>NeuroImage</i> , 2013, 78, 463-473.	4.2	334
80	The effect of scan length on the reliability of resting-state fMRI connectivity estimates. <i>NeuroImage</i> , 2013, 83, 550-558.	4.2	707
81	Characterizing Functional Connectivity Differences in Aging Adults using Machine Learning on Resting State fMRI Data. <i>Frontiers in Computational Neuroscience</i> , 2013, 7, 38.	2.1	69
82	Support vector machine classification and characterization of age-related reorganization of functional brain networks. <i>NeuroImage</i> , 2012, 60, 601-613.	4.2	160
83	Age-Related Differences in Test-Retest Reliability in Resting-State Brain Functional Connectivity. <i>PLoS ONE</i> , 2012, 7, e49847.	2.5	92
84	Parallel ICA identifies sub-components of resting state networks that covary with behavioral indices. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 281.	2.0	21
85	Capacity-Speed Relationships in Prefrontal Cortex. <i>PLoS ONE</i> , 2011, 6, e27504.	2.5	14
86	Validating age-related functional imaging changes in verbal working memory with acute stroke. <i>Behavioural Neurology</i> , 2011, 24, 187-99.	2.1	0
87	Proteomic Profiling of Plasma Biomarkers Associated With Return to Sport Following Concussion: Findings From the NCAA and Department of Defense CARE Consortium. <i>Frontiers in Neurology</i> , 0, 13, .	2.4	1