

Thomas Michael Talavage

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9564184/publications.pdf>

Version: 2024-02-01

86
papers

4,797
citations

109137

35
h-index

102304

66
g-index

89
all docs

89
docs citations

89
times ranked

4255
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel method of quantifying hemodynamic delays to improve hemodynamic response, and CVR estimates in CO2 challenge fMRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 0271678X2097858.	2.4	16
2	Using Oculomotor Features to Predict Changes in Optic Nerve Sheath Diameter and IMPACT Scores From Contact-Sport Athletes. <i>Frontiers in Neurology</i> , 2021, 12, 584684.	1.1	4
3	Brain Perfusion Bridges Virtual-Reality Spatial Behavior to TPH2 Genotype for Head Acceleration Events. <i>Journal of Neurotrauma</i> , 2021, 38, 1368-1376.	1.7	1
4	Head acceleration event metrics in youth contact sports more dependent on sport than level of play. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2021, 235, 208-221.	1.0	5
5	Accumulation of high magnitude acceleration events predicts cerebrovascular reactivity changes in female high school soccer athletes. <i>Brain Imaging and Behavior</i> , 2020, 14, 164-174.	1.1	28
6	Characterizing near-infrared spectroscopy signal under hypercapnia. <i>Journal of Biophotonics</i> , 2020, 13, e202000173.	1.1	5
7	Mitigating the Consequences of Subconcussive Head Injuries. <i>Annual Review of Biomedical Engineering</i> , 2020, 22, 387-407.	5.7	13
8	Factors affecting peak impact force during soccer headers and implications for the mitigation of head injuries. <i>PLoS ONE</i> , 2020, 15, e0240162.	1.1	10
9	Dependence on subconcussive impacts of brain metabolism in collision sport athletes: an MR spectroscopic study. <i>Brain Imaging and Behavior</i> , 2019, 13, 735-749.	1.1	42
10	Impact of Low-Level Blast Exposure on Brain Function after a One-Day Tactile Training and the Ameliorating Effect of a Jugular Vein Compression Neck Collar Device. <i>Journal of Neurotrauma</i> , 2019, 36, 721-734.	1.7	11
11	Every hit matters: White matter diffusivity changes in high school football athletes are correlated with repetitive head acceleration event exposure. <i>NeuroImage: Clinical</i> , 2019, 24, 101930.	1.4	27
12	Uncovering multi-site identifiability based on resting-state functional connectomes. <i>NeuroImage</i> , 2019, 202, 115967.	2.1	41
13	Impact attenuation of male and female lacrosse helmets using a modal impulse hammer. <i>Journal of Biomechanics</i> , 2019, 95, 109313.	0.9	8
14	Determination of Acrolein-Associated T1 and T2 Relaxation Times and Noninvasive Detection Using Nuclear Magnetic Resonance and Magnetic Resonance Spectroscopy. <i>Applied Magnetic Resonance</i> , 2019, 50, 1291-1303.	0.6	0
15	Diffusion Tensor Imaging in Athletes Sustaining Repetitive Head Impacts: A Systematic Review of Prospective Studies. <i>Journal of Neurotrauma</i> , 2019, 36, 2831-2849.	1.7	42
16	KIAA0319 Genotype Predicts the Number of Past Concussions in a Division I Football Team: A Pilot Study. <i>Journal of Neurotrauma</i> , 2019, 36, 1115-1124.	1.7	7
17	Elevations in MicroRNA Biomarkers in Serum Are Associated with Measures of Concussion, Neurocognitive Function, and Subconcussive Trauma over a Single National Collegiate Athletic Association Division I Season in Collegiate Football Players. <i>Journal of Neurotrauma</i> , 2019, 36, 1343-1351.	1.7	52
18	The Use of an Electrophysiological Brain Function Index in the Evaluation of Concussed Athletes. <i>Journal of Head Trauma Rehabilitation</i> , 2018, 33, 1-6.	1.0	13

#	ARTICLE	IF	CITATIONS
19	Subconcussive trauma. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 158, 245-255.	1.0	9
20	Cerebrovascular reactivity changes in asymptomatic female athletes attributable to high school soccer participation. Brain Imaging and Behavior, 2017, 11, 98-112.	1.1	72
21	The effect of repetitive subconcussive collisions on brain integrity in collegiate football players over a single football season: A multi-modal neuroimaging study. NeuroImage: Clinical, 2017, 14, 708-718.	1.4	127
22	Effects of Dietary Protein and Fiber at Breakfast on Appetite, ad Libitum Energy Intake at Lunch, and Neural Responses to Visual Food Stimuli in Overweight Adults. Nutrients, 2016, 8, 21.	1.7	12
23	Information theoretic evaluation of a noiseband-based cochlear implant simulator. Hearing Research, 2016, 333, 185-193.	0.9	5
24	Temporal pattern of acoustic imaging noise asymmetrically modulates activation in the auditory cortex. Hearing Research, 2016, 331, 57-68.	0.9	5
25	Effects of dietary protein and fiber at breakfast on postprandial appetite, neural responses to visual food stimuli, and ad libitum energy intake at lunch in overweight adults. FASEB Journal, 2016, 30, 418.7.	0.2	0
26	Test-retest reliability and postprandial time course of the neural responses to visual food stimuli. FASEB Journal, 2016, 30, 1161.4.	0.2	0
27	fMRI of Visual Working Memory in High School Football Players. Developmental Neuropsychology, 2015, 40, 63-68.	1.0	22
28	Post-Season Neurophysiological Deficits Assessed by ImpACT and fMRI in Athletes Competing in American Football. Developmental Neuropsychology, 2015, 40, 85-91.	1.0	39
29	Sub-Concussive Hit Characteristics Predict Deviant Brain Metabolism in Football Athletes. Developmental Neuropsychology, 2015, 40, 12-17.	1.0	63
30	Cerebrovascular Reactivity Alterations in Asymptomatic High School Football Players. Developmental Neuropsychology, 2015, 40, 80-84.	1.0	40
31	A Call to Arms: The Need to Create an Inter-Institutional Concussion Neuroimaging Consortium to Discover Clinically Relevant Diagnostic Biomarkers and Develop Evidence-Based Interventions to Facilitate Recovery. Developmental Neuropsychology, 2015, 40, 59-62.	1.0	3
32	The Role of Location of Subconcussive Head Impacts in fMRI Brain Activation Change. Developmental Neuropsychology, 2015, 40, 74-79.	1.0	31
33	Alteration of Default Mode Network in High School Football Athletes Due to Repetitive Subconcussive Mild Traumatic Brain Injury: A Resting-State Functional Magnetic Resonance Imaging Study. Brain Connectivity, 2015, 5, 91-101.	0.8	173
34	Effects of Repetitive Sub-Concussive Brain Injury on the Functional Connectivity of Default Mode Network in High School Football Athletes. Developmental Neuropsychology, 2015, 40, 51-56.	1.0	69
35	DTI Detection of Longitudinal WM Abnormalities Due to Accumulated Head Impacts. Developmental Neuropsychology, 2015, 40, 92-97.	1.0	51
36	Gradual adaptation to auditory frequency mismatch. Hearing Research, 2015, 322, 163-170.	0.9	39

#	ARTICLE	IF	CITATIONS
37	Collegiate women's soccer players suffer greater cumulative head impacts than their high school counterparts. <i>Journal of Biomechanics</i> , 2015, 48, 3720-3723.	0.9	122
38	Effects of Acute Aerobic Exercise and Protein Intake on Appetite and the Neural Response to Visual Food Cues. <i>FASEB Journal</i> , 2015, 29, 597.13.	0.2	0
39	Auditory neuroimaging with fMRI and PET. <i>Hearing Research</i> , 2014, 307, 4-15.	0.9	30
40	MR Spectroscopic Evidence of Brain Injury in the Non-Diagnosed Collision Sport Athlete. <i>Developmental Neuropsychology</i> , 2014, 39, 459-473.	1.0	75
41	Seeing is Worse than Believing: Reading People's Minds Better than Computer-Vision Methods Recognize Actions. <i>Lecture Notes in Computer Science</i> , 2014, , 612-627.	1.0	5
42	Functional connectivity in task-negative network of the Deaf: effects of sign language experience. <i>PeerJ</i> , 2014, 2, e446.	0.9	21
43	Role of subconcussion in repetitive mild traumatic brain injury. <i>Journal of Neurosurgery</i> , 2013, 119, 1235-1245.	0.9	424
44	Neural correlates of adaptation in freely-moving normal hearing subjects under cochlear implant acoustic simulations. <i>NeuroImage</i> , 2013, 82, 500-509.	2.1	14
45	An fMRI study of nonverbally gifted reading disabled adults: has deficit compensation effected gifted potential?. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 507.	1.0	13
46	Beyond Phonological Processing Deficits in Adult Dyslexics: Atypical fMRI Activation Patterns for Spatial Problem Solving. <i>Developmental Neuropsychology</i> , 2012, 37, 617-635.	1.0	30
47	Using functional MRI to study auditory comprehension. <i>Imaging in Medicine</i> , 2012, 4, 137-143.	0.0	1
48	Biomechanical correlates of symptomatic and asymptomatic neurophysiological impairment in high school football. <i>Journal of Biomechanics</i> , 2012, 45, 1265-1272.	0.9	240
49	Event segmentation in a visual language: Neural bases of processing American Sign Language predicates. <i>NeuroImage</i> , 2012, 59, 4094-4101.	2.1	64
50	Limbic responses to reward cues correlate with antisocial trait density in heavy drinkers. <i>NeuroImage</i> , 2012, 60, 644-652.	2.1	30
51	How challenges in auditory fMRI led to general advancements for the field. <i>NeuroImage</i> , 2012, 62, 641-647.	2.1	18
52	Reproducibility of fMRI activations associated with auditory sentence comprehension. <i>NeuroImage</i> , 2011, 54, 2138-2155.	2.1	26
53	Assessment of temporal state-dependent interactions between auditory fMRI responses to desired and undesired acoustic sources. <i>Hearing Research</i> , 2011, 277, 67-77.	0.9	14
54	Psychometrically matched tasks evaluating differential fMRI activation during form and motion processing.. <i>Neuropsychology</i> , 2011, 25, 622-633.	1.0	8

#	ARTICLE	IF	CITATIONS
55	Motor control of jaw movements: An fMRI study of parafunctional clench and grind behavior. <i>Brain Research</i> , 2011, 1383, 206-217.	1.1	30
56	Development of Subject-Specific Geometric Spine Model through Use of Automated Active Contour Segmentation and Kinematic Constraint-Limited Registration. <i>Journal of Digital Imaging</i> , 2011, 24, 926-942.	1.6	2
57	Effects of combining field strengths on auditory functional MRI group analysis: 1.5T and 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 1480-1488.	1.9	7
58	A Polymorphism in <i>GABRA2</i> Is Associated With the Medial Frontal Response to Alcohol Cues in an fMRI Study. <i>Alcoholism: Clinical and Experimental Research</i> , 2010, 34, 2169-2178.	1.4	60
59	Food-Related Odor Probes of Brain Reward Circuits During Hunger: A Pilot fMRI Study. <i>Obesity</i> , 2010, 18, 1566-1571.	1.5	109
60	A Method for Delivering Spatio-Temporally Focused Energy to a Dynamically Adjustable Target Along a Waveguiding Structure. <i>IEEE Transactions on Signal Processing</i> , 2010, 58, 1416-1426.	3.2	0
61	Modeling hemodynamic responses in auditory cortex at 1.5T using variable duration imaging acoustic noise. <i>NeuroImage</i> , 2010, 49, 3027-3038.	2.1	18
62	Family history of alcoholism mediates the frontal response to alcoholic drink odors and alcohol in at-risk drinkers. <i>NeuroImage</i> , 2010, 50, 267-276.	2.1	72
63	Hemispheric asymmetries in phonological processing of tones versus segmental units. <i>NeuroReport</i> , 2010, 21, 690-694.	0.6	48
64	Characterizing Response to Elemental Unit of Acoustic Imaging Noise: An fMRI Study. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 1919-1928.	2.5	8
65	fMRI study of brain activity elicited by oral parafunctional movements. <i>Journal of Oral Rehabilitation</i> , 2009, 36, 346-361.	1.3	34
66	Alcohol Sensitizes Cerebral Responses to the Odors of Alcoholic Drinks: An fMRI Study. <i>Alcoholism: Clinical and Experimental Research</i> , 2008, 32, 1124-1134.	1.4	62
67	Neuroanatomical distribution of five semantic components of verbs: Evidence from fMRI. <i>Brain and Language</i> , 2008, 107, 16-43.	0.8	338
68	Neural basis of first and second language processing of sentence-level linguistic prosody. <i>Human Brain Mapping</i> , 2007, 28, 94-108.	1.9	45
69	Cardiac pacemaker: In vitro assessment at 1.5 T. <i>American Heart Journal</i> , 2006, 151, 436-443.	1.2	41
70	Activation of the left planum temporale in pitch processing is shaped by language experience. <i>Human Brain Mapping</i> , 2006, 27, 173-183.	1.9	69
71	A cross-language fMRI study of sentence-level prosody in Mandarin. <i>Brain and Language</i> , 2005, 95, 54-55.	0.8	0
72	Neural circuitry underlying sentence-level linguistic prosody. <i>NeuroImage</i> , 2005, 28, 417-428.	2.1	62

#	ARTICLE	IF	CITATIONS
73	Reliability of phase-encode mapping in the presence of spatial non-stationarity of response latency. <i>NeuroImage</i> , 2005, 28, 563-578.	2.1	1
74	Tonotopic Organization in Human Auditory Cortex Revealed by Progressions of Frequency Sensitivity. <i>Journal of Neurophysiology</i> , 2004, 91, 1282-1296.	0.9	281
75	Nonlinearity of fMRI responses in human auditory cortex. <i>Human Brain Mapping</i> , 2004, 22, 216-228.	1.9	45
76	A theoretical, continuous alternative to the discrete electrode array. <i>International Congress Series</i> , 2004, 1273, 56-59.	0.2	1
77	Hemispheric roles in the perception of speech prosody. <i>NeuroImage</i> , 2004, 23, 344-357.	2.1	199
78	Generation of acoustic stimuli from a modeled cochlear implant-induced neural activation pattern. <i>International Congress Series</i> , 2004, 1273, 52-55.	0.2	0
79	Neural network for encoding immediate memory in phonological processing. <i>NeuroReport</i> , 2004, 15, 2459-2462.	0.6	10
80	Selective attention to lexical tones recruits left dorsal frontoparietal network. <i>NeuroReport</i> , 2003, 14, 2263-2266.	0.6	28
81	Simulation of human respiration in fMRI with a mechanical model. <i>IEEE Transactions on Biomedical Engineering</i> , 2002, 49, 700-707.	2.5	48
82	Frequency-dependent responses exhibited by multiple regions in human auditory cortex. <i>Hearing Research</i> , 2000, 150, 225-244.	0.9	155
83	Quantitative assessment of auditory cortex responses induced by imager acoustic noise. <i>Human Brain Mapping</i> , 1999, 7, 79-88.	1.9	117
84	Improved auditory cortex imaging using clustered volume acquisitions. <i>Human Brain Mapping</i> , 1999, 7, 89-97.	1.9	314
85	Imaging subcortical auditory activity in humans. , 1998, 6, 33-41.		199
86	Modulation of auditory and visual cortex by selective attention is modality-dependent. <i>NeuroReport</i> , 1996, 7, 1909-1913.	0.6	164