Jonathan A Dudley

List of Publications by Year in Descending Order

50 papers	685 citations	16 h-index	24 g-index
53 ext. papers	958 ext. citations	4 avg, IF	4.28 L-index

#	Paper	IF	Citations
50	Genetic Fuzzy Methodology to Predict Time to Return to Play from Sports-Related Concussion. *Lecture Notes in Networks and Systems*, **2022**, 380-390	0.5	1
49	Longer Screen Vs. Reading Time is Related to Greater Functional Connections Between the Salience Network and Executive Functions Regions in Children with Reading Difficulties Vs. Typical Readers. *Child Psychiatry and Human Development*, **2021**, 52, 681-692	3.3	0
48	Assessment of agreement between manual and automated processing of liver MR elastography for shear stiffness estimation in children and young adults with autoimmune liver disease. *Abdominal Radiology*, **2021**, 46, 3927-3934	3	2
47	Maternal depression is associated with decreased functional connectivity within semantics and phonology networks in preschool children. *Depression and Anxiety*, **2021**, 38, 826-835	8.4	
46	White Matter Alteration Following SWAT Explosive Breaching Training and the Moderating Effect of a Neck Collar Device: A DTI and NODDI Study. *Military Medicine*, **2021**, 186, 1183-1190	1.3	1
45	Association between liver diffusion-weighted imaging apparent diffusion coefficient values and other measures of liver disease in pediatric autoimmune liver disease patients. *Abdominal Radiology*, **2021**, 46, 197-204	3	4
44	The effects of internal jugular vein compression for modulating and preserving white matter following a season of American tackle football: A prospective longitudinal evaluation of differential head impact exposure. *Journal of Neuroscience Research*, **2021**, 99, 423-445	4.4	4
43	DeepLiverNet: a deep transfer learning model for classifying liver stiffness using clinical and T2-weighted magnetic resonance imaging data in children and young adults. *Pediatric Radiology*, **2021**, 51, 392-402	2.8	3
42	Does central nervous system dysfunction underlie patellofemoral pain in young females? Examining brain functional connectivity in association with patient-reported outcomes. *Journal of Orthopaedic Research*, **2021**,	3.8	4
41	Evaluation of the Effectiveness of Newer Helmet Designs with Emergent Shell and Padding Technologies Versus Older Helmet Models for Preserving White Matter Following a Season of High School Football. *Annals of Biomedical Engineering*, **2021**, 49, 2863-2874	4.7	1
40	High School Sports-Related Concussion and the Effect of a Jugular Vein Compression Collar: A Prospective Longitudinal Investigation of Neuroimaging and Neurofunctional Outcomes. *Journal of Neurotrauma*, **2021**, 38, 2811-2821	5.4	0
39	Higher maternal education is related to negative functional connectivity between attention system networks and reading-related regions in children with reading difficulties compared to typical readers. *Brain Research*, **2021**, 1766, 147532	3.7	0
38	Potential Association of Screen Use With Brain Development in Preschool-Aged Children-Reply. *JAMA Pediatrics*, **2020**,	8.3	1
37	Real-time biofeedback integrated into neuromuscular training reduces high-risk knee biomechanics and increases functional brain connectivity: A preliminary longitudinal investigation. *Psychophysiology*, **2020**, 57, e13545	4.1	14
36	Maternal reading and fluency abilities are associated with diffusion properties of ventral and dorsal white matter tracts in their preschool-age children. *Brain and Cognition*, **2020**, 140, 105532	2.7	0
35	H MR Spectroscopy of Fine-Needle Aspiration Biopsy Specimens for the Discrimination of Breast Cancer. *Radiology Imaging Cancer*, **2020**, 2, e200033	1.4	
34	Electrical stimulation sensorimotor mapping with stereo-EEG. *Clinical Neurophysiology*, **2020**, 131, 1691-1701	4.3	9

33	Associations Between Screen-Based Media Use and Brain White Matter Integrity in Preschool-Aged Children. *JAMA Pediatrics*, **2020**, 174, e193869	8.3	82
32	Associations between home literacy environment, brain white matter integrity and cognitive abilities in preschool-age children. *Acta Paediatrica, International Journal of Paediatrics*, **2020**, 109, 1376-1386	3.1	18
31	Machine Learning Classification of Verified Head Impact Exposure Strengthens Associations with Brain Changes. *Annals of Biomedical Engineering*, **2020**, 48, 2772-2782	4.7	1
30	Differences in functional brain network connectivity during stories presented in audio, illustrated, and animated format in preschool-age children. *Brain Imaging and Behavior*, **2020**, 14, 130-141	4.1	16
29	Alterations in knee sensorimotor brain functional connectivity contributes to ACL injury in male high-school football players: a prospective neuroimaging analysis. *Brazilian Journal of Physical Therapy*, **2020**, 24, 415-423	3.7	16
28	Altered Functional and Structural Connectomes in Female High School Soccer Athletes After a Season of Head Impact Exposure and the Effect of a Novel Collar. *Brain Connectivity*, **2020**, 10, 292-301	2.7	5
27	Electrical stimulation mapping of language with stereo-EEG. *Epilepsy and Behavior*, **2019**, 99, 106395	3.2	11
26	Functional Connectivity of Attention, Visual, and Language Networks During Audio, Illustrated, and Animated Stories in Preschool-Age Children. *Brain Connectivity*, **2019**, 9, 580-592	2.7	5
25	Machine Learning Prediction of Liver Stiffness Using Clinical and T2-Weighted MRI Radiomic Data. *American Journal of Roentgenology*, **2019**, 213, 592-601	5.4	21
24	Comparison of whole brain segmentation and volume estimation in children and young adults using SPM and SyMRI. *Clinical Imaging*, **2019**, 57, 77-82	2.7	5
23	Diffusion Tensor Imaging in Athletes Sustaining Repetitive Head Impacts: A Systematic Review of Prospective Studies. *Journal of Neurotrauma*, **2019**, 36, 2831-2849	5.4	27
22	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. *Journal of Neurotrauma*, **2019**, 36, 721-734	5.4	7
21	Does brain functional connectivity contribute to musculoskeletal injury? A preliminary prospective analysis of a neural biomarker of ACL injury risk. *Journal of Science and Medicine in Sport*, **2019**, 22, 169-174	4.4	25
20	A Novel Approach to Evaluate Brain Activation for Lower Extremity Motor Control. *Journal of Neuroimaging*, **2019**, 29, 580-588	2.8	11
19	Relative Head Impact Exposure and Brain White Matter Alterations After a Single Season of Competitive Football: A Pilot Comparison of Youth Versus High School Football. *Clinical Journal of Sport Medicine*, **2019**, 29, 442-450	3.2	22
18	Maternal reading fluency is associated with functional connectivity between the child's future reading network and regions related to executive functions and language processing in preschool-age children. *Brain and Cognition*, **2019**, 131, 87-93	2.7	5
17	Altered brain microstructure in association with repetitive subconcussive head impacts and the potential protective effect of jugular vein compression: a longitudinal study of female soccer athletes. *British Journal of Sports Medicine*, **2019**, 53, 1539-1551	10.3	26
16	Mild Jugular Compression Collar Ameliorated Changes in Brain Activation of Working Memory after One Soccer Season in Female High School Athletes. *Journal of Neurotrauma*, **2018**, 35, 1248-1259	5.4	11

15	Enhanced neural activation with blueberry supplementation in mild cognitive impairment. *Nutritional Neuroscience*, **2018**, 21, 297-305	3.6	64
14	White matter alterations over the course of two consecutive high-school football seasons and the effect of a jugular compression collar: A preliminary longitudinal diffusion tensor imaging study. *Human Brain Mapping*, **2018**, 39, 491-508	5.9	28
13	A jugular vein compression collar prevents alterations of endogenous electrocortical dynamics following blast exposure during special weapons and tactical (SWAT) breacher training. *Experimental Brain Research*, **2018**, 236, 2691-2701	2.3	11
12	Shared Reading Quality and Brain Activation during Story Listening in Preschool-Age Children. *Journal of Pediatrics*, **2017**, 191, 204-211.e1	3.6	37
11	Jugular Compression Ameliorates Alteration in fMRI of Working Memory in High School Female Soccer Athletes. *Medicine and Science in Sports and Exercise*, **2017**, 49, 310	1.2	
10	Story time turbocharger? Child engagement during shared reading and cerebellar activation and connectivity in preschool-age children listening to stories. *PLoS ONE*, **2017**, 12, e0177398	3.7	28
9	Tissue-dependent cerebral energy metabolism in adolescents with bipolar disorder. *Journal of Affective Disorders*, **2016**, 191, 248-55	6.6	34
8	fMRI brain activation changes following treatment of a first bipolar manic episode. *Bipolar Disorders*, **2016**, 18, 490-501	3.8	24
7	Age-dependent decreases of high energy phosphates in cerebral gray matter of patients with bipolar I disorder: a preliminary phosphorus-31 magnetic resonance spectroscopic imaging study. *Journal of Affective Disorders*, **2015**, 175, 251-5	6.6	11
6	Enhanced cerebral bioenergetics with dietary ketosis in Mild Cognitive Impairment. *Nutrition and Aging (Amsterdam, Netherlands)*, **2014**, 2, 223-232		3
5	A pilot study of alterations in high energy phosphoryl compounds and intracellular pH in unmedicated adolescents with bipolar disorder. *Journal of Affective Disorders*, **2013**, 150, 1109-13	6.6	43
4	Methods and Applications of Phosphorus NMR Spectroscopy In Vivo. *Annual Reports on NMR Spectroscopy*, **2012**, 75, 115-160	1.7	6
3	Calibration approach for fluorescence lifetime determination for applications using time-gated detection and finite pulse width excitation. *Analytical Chemistry*, **2008**, 80, 7876-81	7.8	3
2	Characterization of dual-wavelength seminaphthofluorescein and seminapthorhodafluor dyes for pH sensing under high hydrostatic pressures. *Analytical Biochemistry*, **2007**, 362, 258-67	3.1	24
1	Capillary-based, high-pressure chamber for fluorescence microscopy imaging. *Review of Scientific Instruments*, **2006**, 77, 096106	1.7	11