

Jonathan A Dudley

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Associations Between Screen-Based Media Use and Brain White Matter Integrity in Preschool-Aged Children. <i>JAMA Pediatrics</i> , 2020 , 174, e193869	8.3	82
49	Enhanced neural activation with blueberry supplementation in mild cognitive impairment. <i>Nutritional Neuroscience</i> , 2018 , 21, 297-305	3.6	64
48	A pilot study of alterations in high energy phosphoryl compounds and intracellular pH in unmedicated adolescents with bipolar disorder. <i>Journal of Affective Disorders</i> , 2013 , 150, 1109-13	6.6	43
47	Shared Reading Quality and Brain Activation during Story Listening in Preschool-Age Children. <i>Journal of Pediatrics</i> , 2017 , 191, 204-211.e1	3.6	37
46	Tissue-dependent cerebral energy metabolism in adolescents with bipolar disorder. <i>Journal of Affective Disorders</i> , 2016 , 191, 248-55	6.6	34
45	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. <i>Human Brain Mapping</i> , 2018 , 39, 491-508	5.9	28
44	Story time turbocharger? Child engagement during shared reading and cerebellar activation and connectivity in preschool-age children listening to stories. <i>PLoS ONE</i> , 2017 , 12, e0177398	3.7	28
43	Diffusion Tensor Imaging in Athletes Sustaining Repetitive Head Impacts: A Systematic Review of Prospective Studies. <i>Journal of Neurotrauma</i> , 2019 , 36, 2831-2849	5.4	27
42	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. <i>British Journal of Sports Medicine</i> , 2019 , 53, 1539-1551	10.3	26
41	Does brain functional connectivity contribute to musculoskeletal injury? A preliminary prospective analysis of a neural biomarker of ACL injury risk. <i>Journal of Science and Medicine in Sport</i> , 2019 , 22, 169-174	4.4	25
40	Characterization of dual-wavelength seminaphthofluorescein and seminaphthorhodafluor dyes for pH sensing under high hydrostatic pressures. <i>Analytical Biochemistry</i> , 2007 , 362, 258-67	3.1	24
39	fMRI brain activation changes following treatment of a first bipolar manic episode. <i>Bipolar Disorders</i> , 2016 , 18, 490-501	3.8	24
38	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. <i>Clinical Journal of Sport Medicine</i> , 2019 , 29, 442-450	3.2	22
37	Machine Learning Prediction of Liver Stiffness Using Clinical and T2-Weighted MRI Radiomic Data. <i>American Journal of Roentgenology</i> , 2019 , 213, 592-601	5.4	21
36	Associations between home literacy environment, brain white matter integrity and cognitive abilities in preschool-age children. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2020 , 109, 1376-1386	3.1	18
35	Differences in functional brain network connectivity during stories presented in audio, illustrated, and animated format in preschool-age children. <i>Brain Imaging and Behavior</i> , 2020 , 14, 130-141	4.1	16
34	Alterations in knee sensorimotor brain functional connectivity contributes to ACL injury in male high-school football players: a prospective neuroimaging analysis. <i>Brazilian Journal of Physical Therapy</i> , 2020 , 24, 415-423	3.7	16

33	Real-time biofeedback integrated into neuromuscular training reduces high-risk knee biomechanics and increases functional brain connectivity: A preliminary longitudinal investigation. <i>Psychophysiology</i> , 2020 , 57, e13545	4.1	14
32	Electrical stimulation mapping of language with stereo-EEG. <i>Epilepsy and Behavior</i> , 2019 , 99, 106395	3.2	11
31	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. <i>Journal of Affective Disorders</i> , 2015 , 175, 251-5	6.6	11
30	Mild Jugular Compression Collar Ameliorated Changes in Brain Activation of Working Memory after One Soccer Season in Female High School Athletes. <i>Journal of Neurotrauma</i> , 2018 , 35, 1248-1259	5.4	11
29	A Novel Approach to Evaluate Brain Activation for Lower Extremity Motor Control. <i>Journal of Neuroimaging</i> , 2019 , 29, 580-588	2.8	11
28	Capillary-based, high-pressure chamber for fluorescence microscopy imaging. <i>Review of Scientific Instruments</i> , 2006 , 77, 096106	1.7	11
27	A jugular vein compression collar prevents alterations of endogenous electrocortical dynamics following blast exposure during special weapons and tactical (SWAT) breacher training. <i>Experimental Brain Research</i> , 2018 , 236, 2691-2701	2.3	11
26	Electrical stimulation sensorimotor mapping with stereo-EEG. <i>Clinical Neurophysiology</i> , 2020 , 131, 1691-1701	1.9	9
25	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	5.4	7
24	Methods and Applications of Phosphorus NMR Spectroscopy In Vivo. <i>Annual Reports on NMR Spectroscopy</i> , 2012 , 75, 115-160	1.7	6
23	Functional Connectivity of Attention, Visual, and Language Networks During Audio, Illustrated, and Animated Stories in Preschool-Age Children. <i>Brain Connectivity</i> , 2019 , 9, 580-592	2.7	5
22	Comparison of whole brain segmentation and volume estimation in children and young adults using SPM and SyMRI. <i>Clinical Imaging</i> , 2019 , 57, 77-82	2.7	5
21	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. <i>Brain and Cognition</i> , 2019 , 131, 87-93	2.7	5
20	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. <i>Brain Connectivity</i> , 2020 , 10, 292-301	2.7	5
19	Association between liver diffusion-weighted imaging apparent diffusion coefficient values and other measures of liver disease in pediatric autoimmune liver disease patients. <i>Abdominal Radiology</i> , 2021 , 46, 197-204	3	4
18	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. <i>Journal of Neuroscience Research</i> , 2021 , 99, 423-445	4.4	4
17	Does central nervous system dysfunction underlie patellofemoral pain in young females? Examining brain functional connectivity in association with patient-reported outcomes. <i>Journal of Orthopaedic Research</i> , 2021 ,	3.8	4
16	Enhanced cerebral bioenergetics with dietary ketosis in Mild Cognitive Impairment. <i>Nutrition and Aging (Amsterdam, Netherlands)</i> , 2014 , 2, 223-232		3

15	Calibration approach for fluorescence lifetime determination for applications using time-gated detection and finite pulse width excitation. <i>Analytical Chemistry</i> , 2008 , 80, 7876-81	7.8	3
14	DeepLiverNet: a deep transfer learning model for classifying liver stiffness using clinical and T2-weighted magnetic resonance imaging data in children and young adults. <i>Pediatric Radiology</i> , 2021 , 51, 392-402	2.8	3
13	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. <i>Abdominal Radiology</i> , 2021 , 46, 3927-3934	3	2
12	Potential Association of Screen Use With Brain Development in Preschool-Aged Children-Reply. <i>JAMA Pediatrics</i> , 2020 ,	8.3	1
11	Genetic Fuzzy Methodology to Predict Time to Return to Play from Sports-Related Concussion. <i>Lecture Notes in Networks and Systems</i> , 2022 , 380-390	0.5	1
10	Machine Learning Classification of Verified Head Impact Exposure Strengthens Associations with Brain Changes. <i>Annals of Biomedical Engineering</i> , 2020 , 48, 2772-2782	4.7	1
9	White Matter Alteration Following SWAT Explosive Breaching Training and the Moderating Effect of a Neck Collar Device: A DTI and NODDI Study. <i>Military Medicine</i> , 2021 , 186, 1183-1190	1.3	1
8	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. <i>Annals of Biomedical Engineering</i> , 2021 , 49, 2863-2874	4.7	1
7	Maternal reading and fluency abilities are associated with diffusion properties of ventral and dorsal white matter tracts in their preschool-age children. <i>Brain and Cognition</i> , 2020 , 140, 105532	2.7	0
6	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. <i>Child Psychiatry and Human Development</i> , 2021 , 52, 681-692	3.3	0
5	High School Sports-Related Concussion and the Effect of a Jugular Vein Compression Collar: A Prospective Longitudinal Investigation of Neuroimaging and Neurofunctional Outcomes. <i>Journal of Neurotrauma</i> , 2021 , 38, 2811-2821	5.4	0
4	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. <i>Brain Research</i> , 2021 , 1766, 147532	3.7	0
3	Jugular Compression Ameliorates Alteration in fMRI of Working Memory in High School Female Soccer Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 310	1.2	
2	H MR Spectroscopy of Fine-Needle Aspiration Biopsy Specimens for the Discrimination of Breast Cancer. <i>Radiology Imaging Cancer</i> , 2020 , 2, e200033	1.4	
1	Maternal depression is associated with decreased functional connectivity within semantics and phonology networks in preschool children. <i>Depression and Anxiety</i> , 2021 , 38, 826-835	8.4	