Weihong Yuan

List of Publications by Year
in descending order

61 papers	1,756 citations	270111 25 h-index	325983 40 g-index
61 all docs	61 docs citations	61 times ranked	2228 citing authors

#	Article	IF	Citations
1	Does central nervous system dysfunction underlie patellofemoral pain in young females? Examining brain functional connectivity in association with patientâ€reported outcomes. Journal of Orthopaedic Research, 2022, 40, 1083-1096.	1.2	13
2	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
3	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.	1.3	10
4	Predicting Post-Concussion Symptom Recovery in Adolescents Using a Novel Artificial Intelligence. Journal of Neurotrauma, 2021, 38, 830-836.	1.7	5
5	Altered frontal-mediated inhibition and white matter connectivity in pediatric chronic tic disorders. Experimental Brain Research, 2021, 239, 955-965.	0.7	11
6	Is it Possible to Protect the Adolescent Brain with Internal Mechanisms from Repetitive Head Impacts: Results from a Phase II Single Cohort, Longitudinal, Self-Control Study. Journal of Science in Sport and Exercise, 2021, 3, 56-65.	0.4	1
7	Effects of intraventricular hemorrhage on white matter microstructural changes at term and early developmental outcomes in infants born very preterm. Neuroradiology, 2021, 63, 1549-1561.	1.1	6
8	Diffusion tensor imaging in children following prenatal myelomeningocele repair and its predictive value for the need and timing of subsequent CSF diversion surgery for hydrocephalus. Journal of Neurosurgery: Pediatrics, 2021, , 1-9.	0.8	2
9	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.	0.4	4
10	Diffusion MRI Microstructural Abnormalities at Term-Equivalent Age Are Associated with Neurodevelopmental Outcomes at 3 Years of Age in Very Preterm Infants. American Journal of Neuroradiology, 2021, 42, 1535-1542.	1.2	9
11	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.	1.3	8
12	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.	1.7	4
13	Diffuse white matter abnormality in very preterm infants at term reflects reduced brain network efficiency. NeuroImage: Clinical, 2021, 31, 102739.	1.4	6
14	An iPad-based intervention to improve visual-motor, visual-attention, and visual-perceptual skills in children with surgically treated hydrocephalus: A pilot study. Child's Nervous System, 2021, , 1.	0.6	1
15	Association between brain structural network efficiency at term-equivalent age and early development of cerebral palsy in very preterm infants. NeuroImage, 2021, 245, 118688.	2.1	3
16	The effect of subconcussive head impact exposure and jugular vein compression on behavioral and cognitive outcomes after a single season of high-school football: A prospective longitudinal trial.. Journal of Neurotrauma, 2021, , .	1.7	1
17	Neonatal Functional and Structural Connectivity Are Associated with Cerebral Palsy at Two Years of Age. American Journal of Perinatology, 2020, 37, 137-145.	0.6	8
18	Abnormal anisotropic diffusion properties in pediatric myelomeningocele patients treated with fetal surgery: an initial DTI study. Child's Nervous System, 2020, 36, 827-833.	0.6	6

#	Article	IF	Citations
19	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.	1.1	21
20	Characterization of a novel rat model of X-linked hydrocephalus by CRISPR-mediated mutation in L1cam. Journal of Neurosurgery, 2020, 132, 945-958.	0.9	10
21	Early Prediction of Cognitive Deficit in Very Preterm Infants Using Brain Structural Connectome With Transfer Learning Enhanced Deep Convolutional Neural Networks. Frontiers in Neuroscience, 2020, 14, 858.	1.4	13
22	Realâ€time biofeedback integrated into neuromuscular training reduces highâ€risk knee biomechanics and increases functional brain connectivity: A preliminary longitudinal investigation. Psychophysiology, 2020, 57, e13545.	1.2	25
23	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.	0.8	12
24	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.	1.7	11
25	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.	0.6	39
26	A Novel Approach to Evaluate Brain Activation for Lower Extremity Motor Control. Journal of Neuroimaging, 2019, 29, 580-588.	1.0	20
27	Diffusion Tensor Imaging in Athletes Sustaining Repetitive Head Impacts: A Systematic Review of Prospective Studies. Journal of Neurotrauma, 2019, 36, 2831-2849.	1.7	42
28	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.	0.9	33
29	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.	3.1	41
30	Examining Motor Tasks of Differing Complexity After Concussion in Adolescents. Archives of Physical Medicine and Rehabilitation, 2019, 100, 613-619.	0.5	29
31	Anatomy and Physiology-Based Magnetic Resonance Imaging in Hydrocephalus. , 2019, , 131-151.		0
32	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.	1.7	15
33	Early prediction of cognitive deficits in very preterm infants using functional connectome data in an artificial neural network framework. NeuroImage: Clinical, 2018, 18, 290-297.	1.4	60
34	White matter alterations over the course of two consecutive highâ€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.	1.9	35
35	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.	0.7	14
36	Conventional MRI scan and DTI imaging show more severe brain injury in neonates with hypoxic-ischemic encephalopathy and seizures. Early Human Development, 2018, 122, 8-14.	0.8	16

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37	Neck Collar with Mild Jugular Vein Compression Ameliorates Brain Activation Changes during a Working Memory Task after a Season of High School Football. Journal of Neurotrauma, 2017, 34, 2432-2444.	1.7	20
38	Structural Connectivity Related to Persistent Symptoms After Mild TBI in Adolescents and Response to Aerobic Training: Preliminary Investigation. Journal of Head Trauma Rehabilitation, 2017, 32, 378-384.	1.0	42
39	Changes in Structural Connectivity Following a Cognitive Intervention in Children With Traumatic Brain Injury. Neurorehabilitation and Neural Repair, 2017, 31, 190-201.	1.4	39
40	The Effects of External Jugular Compression Applied during Head Impact Exposure on Longitudinal Changes in Brain Neuroanatomical and Neurophysiological Biomarkers: A Preliminary Investigation. Frontiers in Neurology, 2016, 7, 74.	1.1	58
41	Diffusion tensor imaging study of pediatric patients with congenital hydrocephalus: 1-year postsurgical outcomes. Journal of Neurosurgery: Pediatrics, 2016, 18, 306-319.	0.8	36
42	Left hemisphere structural connectivity abnormality in pediatric hydrocephalus patients following surgery. NeuroImage: Clinical, 2016, 12, 631-639.	1.4	10
43	Changes of White Matter Diffusion Anisotropy in Response to a 6-Week iPad Application-Based Occupational Therapy Intervention in Children with Surgically Treated Hydrocephalus: A Pilot Study. Neuropediatrics, 2016, 47, 336-340.	0.3	5
44	Analysis of head impact exposure and brain microstructure response in a season-long application of a jugular vein compression collar: a prospective, neuroimaging investigation in American football. British Journal of Sports Medicine, 2016, 50, 1276-1285.	3.1	68
45	Functional and structural connectivity of the visual system in infants with perinatal brain injury. Pediatric Research, 2016, 80, 43-48.	1.1	13
46	Tablet-Based Occupational Therapy Intervention for Children With Hydrocephalus. American Journal of Occupational Therapy, 2016, 70, 7011520301p1-7011520301p1.	0.1	0
47	Structural connectivity abnormality in children with acute mild traumatic brain injury using graph theoretical analysis. Human Brain Mapping, 2015, 36, 779-792.	1.9	81
48	White matter alterations in youth with acute mild traumatic brain injury. Journal of Pediatric Rehabilitation Medicine, 2015, 8, 285-296.	0.3	45
49	Quantification of Interictal Neuromagnetic Activity in Absence Epilepsy with Accumulated Source Imaging. Brain Topography, 2015, 28, 904-914.	0.8	39
50	Abnormal structural connectivity in the brain networks of children with hydrocephalus. NeuroImage: Clinical, 2015, 8, 483-492.	1.4	21
51	Kaolinâ€induced ventriculomegaly at weaning produces longâ€term learning, memory, and motor deficits in rats. International Journal of Developmental Neuroscience, 2014, 35, 7-15.	0.7	25
52	Diffusion tensor imaging of white matter injury in a rat model of infantile hydrocephalus. Child's Nervous System, 2012, 28, 47-54.	0.6	28
53	Longitudinal comparison of pre- and postoperative diffusion tensor imaging parameters in young children with hydrocephalus. Journal of Neurosurgery: Pediatrics, 2010, 5, 385-391.	0.8	42
54	Diffusion tensor imaging correlates with cytopathology in a rat model of neonatal hydrocephalus. Cerebrospinal Fluid Research, 2010, 7, 19.	0.5	36

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55	Quantification of head motion in children during various fMRI language tasks. Human Brain Mapping, 2009, 30, 1481-1489.	1.9	83
56	Correlation of Diffusion Tensor Imaging with Neuropsychological Testing in Early Pediatric Traumatic Brain Injury. PM and R, 2009, 1, S100-S101.	0.9	0
57	Characterization of abnormal diffusion properties of supratentorial brain tumors: a preliminary diffusion tensor imaging study. Journal of Neurosurgery: Pediatrics, 2008, 1, 263-269.	0.8	29
58	Functional MRI of language lateralization during development in children. International Journal of Audiology, 2007, 46, 533-551.	0.9	230
59	Neural substrate differences in language networks and associated language-related behavioral impairments in children with TBI: A preliminary fMRI investigation. NeuroRehabilitation, 2007, 22, 355-369.	0.5	28
60	fMRI Shows Atypical Language Lateralization in Pediatric Epilepsy Patients. Epilepsia, 2006, 47, 593-600.	2.6	136
61	The Impact of Early Childhood Lead Exposure on Brain Organization: A Functional Magnetic Resonance Imaging Study of Language Function. Pediatrics, 2006, 118, 971-977.	1.0	107