Jessica L Wisnowski

List of Publications by Year
in descending order

31 papers	741 citations	687363 13 h-index	610901 24 g-index
33 all docs	33 docs citations	33 times ranked	1145 citing authors

#	Article	IF	Citations
1	Edited magnetic resonance spectroscopy in the neonatal brain. Neuroradiology, 2022, 64, 217-232.	2.2	2
2	Effects of Tissue Temperature and Injury on ADC during Therapeutic Hypothermia in Newborn Hypoxic-Ischemic Encephalopathy. American Journal of Neuroradiology, 2022, , .	2.4	1
3	Mild hypoxic-ischemic encephalopathy (HIE): timing and pattern of MRI brain injury. Pediatric Research, 2022, 92, 1731-1736.	2.3	12
4	Motivating Selective Motor Control of Infants at High Risk of Cerebral Palsy Using an In-Home Kicking-Activated Mobile Task: A Pilot Study. Physical Therapy, 2022, 102, .	2.4	0
5	A Case of Prenatally Diagnosed Congenital Adrenal Hyperplasia With Brain Morphometric Differences. Journal of Investigative Medicine High Impact Case Reports, 2022, 10, 232470962211052.	0.6	0
6	Trial of Erythropoietin for Hypoxicâ€“Ischemic Encephalopathy in Newborns. New England Journal of Medicine, 2022, 387, 148-159.	27.0	73
7	Robust brain network identification from multi-subject asynchronous fMRI data. NeuroImage, 2021, 227, 117615.	4.2	7
8	Neuroimaging in the term newborn with neonatal encephalopathy. Seminars in Fetal and Neonatal Medicine, 2021, 26, 101304.	2.3	21
9	Integrating neuroimaging biomarkers into the multicentre, high-dose erythropoietin for asphyxia and encephalopathy (HEAL) trial: rationale, protocol and harmonisation. BMJ Open, 2021, 11, e043852.	1.9	1
10	Integrating neuroimaging biomarkers into the multicentre, high-dose erythropoietin for asphyxia and encephalopathy (HEAL) trial: rationale, protocol and harmonisation. BMJ Open, 2021, 11, e043852.	1.9	9
11	In-Home Kicking-Activated Mobile Task to Motivate Selective Motor Control of Infants at High Risk of Cerebral Palsy: A Feasibility Study. Physical Therapy, 2020, 100, 2217-2226.	2.4	5
12	An InÂVivo Assessment of Regional Brain Temperature during Whole-Body Cooling for Neonatal Encephalopathy. Journal of Pediatrics, 2020, 220, 73-79.e3.	1.8	3
13	Multidimensional correlation spectroscopic imaging of exponential decays: From theoretical principles to in vivo human applications. NMR in Biomedicine, 2020, 33, e4244.	2.8	20
14	Temporal non-local means filtering for studies of intrinsic brain connectivity from individual resting fMRI. Medical Image Analysis, 2020, 61, 101635.	11.6	13
15	Brain network identification in asynchronous task fMRI data using robust and scalable tensor decomposition. , 2019, , .		2
16	Probing in vivo microstructure with T<inf>1</inf>-T<inf>2</inf> relaxation correlation spectroscopic imaging. , 2018, 2018, 675-678.		5
17	Cerebral Lactate Concentration in Neonatal Hypoxic-Ischemic Encephalopathy: In Relation to Time, Characteristic of Injury, and Serum Lactate Concentration. Frontiers in Neurology, 2018, 9, 293.	2.4	32
18	Global PDF-based temporal non-local means filtering reveals individual differences in brain connectivity. , 2018, 2018, 15-19.		10

#	Article	IF	Citations
19	Diffusionâ€relaxation correlation spectroscopic imaging: A multidimensional approach for probing microstructure. Magnetic Resonance in Medicine, 2017, 78, 2236-2249.	3.0	87
20	Improved efficiency for microstructure imaging using high-dimensional MR correlation spectroscopic imaging. , 2017, , .		6
21	The Impact of Venoarterial and Venovenous Extracorporeal Membrane Oxygenation on Cerebral Metabolism in the Newborn Brain. PLoS ONE, 2016, 11, e0168578.	2.5	3
22	Magnetic Resonance Imaging Abnormalities in Advanced Acute Bilirubin Encephalopathy Highlight Dentato-Thalamo-Cortical Pathways. Journal of Pediatrics, 2016, 174, 260-263.	1.8	27
23	The effects of therapeutic hypothermia on cerebral metabolism in neonates with hypoxic-ischemic encephalopathy: An inÂvivo ¹H-MR spectroscopy study. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1075-1086.	4.3	52
24	Altered Structural and Functional Connectivity in Late Preterm Preadolescence: An Anatomic Seed-Based Study of Resting State Networks Related to the Posteromedial and Lateral Parietal Cortex. PLoS ONE, 2015, 10, e0130686.	2.5	30
25	Relationship of white matter network topology and cognitive outcome in adolescents with d-transposition of the great arteries. NeuroImage: Clinical, 2015, 7, 438-448.	2.7	70
26	Reduced thalamic volume in preterm infants is associated with abnormal white matter metabolism independent of injury. Neuroradiology, 2015, 57, 515-525.	2.2	12
27	Developmental synergy between thalamic structure and interhemispheric connectivity in the visual system of preterm infants. NeuroImage: Clinical, 2015, 8, 462-472.	2.7	11
28	Metabolic Maturation of White Matter Is Altered in Preterm Infants. PLoS ONE, 2014, 9, e85829.	2.5	39
29	Magnetic resonance spectroscopy markers of axons and astrogliosis in relation to specific features of white matter injury in preterm infants. Neuroradiology, 2014, 56, 771-779.	2.2	21
30	Metabolic Maturation of the Human Brain From Birth Through Adolescence: Insights From In Vivo Magnetic Resonance Spectroscopy. Cerebral Cortex, 2013, 23, 2944-2955.	2.9	131
31	Altered Glutamatergic Metabolism Associated with Punctate White Matter Lesions in Preterm Infants. PLoS ONE, 2013, 8, e56880.	2.5	29