

# Jessica L Wisnowski

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Metabolic Maturation of the Human Brain From Birth Through Adolescence: Insights From In Vivo Magnetic Resonance Spectroscopy. <i>Cerebral Cortex</i> , 2013, 23, 2944-2955.	2.9	131
2	Diffusion-relaxation correlation spectroscopic imaging: A multidimensional approach for probing microstructure. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 2236-2249.	3.0	87
3	Trial of Erythropoietin for Hypoxic-Ischemic Encephalopathy in Newborns. <i>New England Journal of Medicine</i> , 2022, 387, 148-159.	27.0	73
4	Relationship of white matter network topology and cognitive outcome in adolescents with d-transposition of the great arteries. <i>NeuroImage: Clinical</i> , 2015, 7, 438-448.	2.7	70
5	The effects of therapeutic hypothermia on cerebral metabolism in neonates with hypoxic-ischemic encephalopathy: An in vivo <sup>1</sup> H-MR spectroscopy study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1075-1086.	4.3	52
6	Metabolic Maturation of White Matter Is Altered in Preterm Infants. <i>PLoS ONE</i> , 2014, 9, e85829.	2.5	39
7	Cerebral Lactate Concentration in Neonatal Hypoxic-Ischemic Encephalopathy: In Relation to Time, Characteristic of Injury, and Serum Lactate Concentration. <i>Frontiers in Neurology</i> , 2018, 9, 293.	2.4	32
8	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. <i>PLoS ONE</i> , 2015, 10, e0130686.	2.5	30
9	Altered Glutamatergic Metabolism Associated with Punctate White Matter Lesions in Preterm Infants. <i>PLoS ONE</i> , 2013, 8, e56880.	2.5	29
10	Magnetic Resonance Imaging Abnormalities in Advanced Acute Bilirubin Encephalopathy Highlight Dentato-Thalamo-Cortical Pathways. <i>Journal of Pediatrics</i> , 2016, 174, 260-263.	1.8	27
11	Magnetic resonance spectroscopy markers of axons and astrogliosis in relation to specific features of white matter injury in preterm infants. <i>Neuroradiology</i> , 2014, 56, 771-779.	2.2	21
12	Neuroimaging in the term newborn with neonatal encephalopathy. <i>Seminars in Fetal and Neonatal Medicine</i> , 2021, 26, 101304.	2.3	21
13	Multidimensional correlation spectroscopic imaging of exponential decays: From theoretical principles to in vivo human applications. <i>NMR in Biomedicine</i> , 2020, 33, e4244.	2.8	20
14	Temporal non-local means filtering for studies of intrinsic brain connectivity from individual resting fMRI. <i>Medical Image Analysis</i> , 2020, 61, 101635.	11.6	13
15	Reduced thalamic volume in preterm infants is associated with abnormal white matter metabolism independent of injury. <i>Neuroradiology</i> , 2015, 57, 515-525.	2.2	12
16	Mild hypoxic-ischemic encephalopathy (HIE): timing and pattern of MRI brain injury. <i>Pediatric Research</i> , 2022, 92, 1731-1736.	2.3	12
17	Developmental synergy between thalamic structure and interhemispheric connectivity in the visual system of preterm infants. <i>NeuroImage: Clinical</i> , 2015, 8, 462-472.	2.7	11
18	Global PDF-based temporal non-local means filtering reveals individual differences in brain connectivity. , 2018, 2018, 15-19.		10

#	ARTICLE	IF	CITATIONS
19	Integrating neuroimaging biomarkers into the multicentre, high-dose erythropoietin for asphyxia and encephalopathy (HEAL) trial: rationale, protocol and harmonisation. <i>BMJ Open</i> , 2021, 11, e043852.	1.9	9
20	Robust brain network identification from multi-subject asynchronous fMRI data. <i>NeuroImage</i> , 2021, 227, 117615.	4.2	7
21	Improved efficiency for microstructure imaging using high-dimensional MR correlation spectroscopic imaging. , 2017, , .		6
22	Probing in vivo microstructure with T <sub>1</sub> -T <sub>2</sub> relaxation correlation spectroscopic imaging. , 2018, 2018, 675-678.		5
23	In-Home Kicking-Activated Mobile Task to Motivate Selective Motor Control of Infants at High Risk of Cerebral Palsy: A Feasibility Study. <i>Physical Therapy</i> , 2020, 100, 2217-2226.	2.4	5
24	The Impact of Venoarterial and Venovenous Extracorporeal Membrane Oxygenation on Cerebral Metabolism in the Newborn Brain. <i>PLoS ONE</i> , 2016, 11, e0168578.	2.5	3
25	An In-Vivo Assessment of Regional Brain Temperature during Whole-Body Cooling for Neonatal Encephalopathy. <i>Journal of Pediatrics</i> , 2020, 220, 73-79.e3.	1.8	3
26	Brain network identification in asynchronous task fMRI data using robust and scalable tensor decomposition. , 2019, , .		2
27	Edited magnetic resonance spectroscopy in the neonatal brain. <i>Neuroradiology</i> , 2022, 64, 217-232.	2.2	2
28	Integrating neuroimaging biomarkers into the multicentre, high-dose erythropoietin for asphyxia and encephalopathy (HEAL) trial: rationale, protocol and harmonisation. <i>BMJ Open</i> , 2021, 11, e043852.	1.9	1
29	Effects of Tissue Temperature and Injury on ADC during Therapeutic Hypothermia in Newborn Hypoxic-Ischemic Encephalopathy. <i>American Journal of Neuroradiology</i> , 2022, , .	2.4	1
30	Motivating Selective Motor Control of Infants at High Risk of Cerebral Palsy Using an In-Home Kicking-Activated Mobile Task: A Pilot Study. <i>Physical Therapy</i> , 2022, 102, .	2.4	0
31	A Case of Prenatally Diagnosed Congenital Adrenal Hyperplasia With Brain Morphometric Differences. <i>Journal of Investigative Medicine High Impact Case Reports</i> , 2022, 10, 232470962211052.	0.6	0