

# Lili He

## List of Publications by Year in descending order

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36  
papers

895  
citations

471509

17  
h-index

501196

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g-index

39  
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39  
docs citations

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times ranked

1161  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transformer-Based High-Frequency Oscillation Signal Detection on Magnetoencephalography From Epileptic Patients. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 822810.	3.5	4
2	ConCeptCNN: A novel multi-filter convolutional neural network for the prediction of neurodevelopmental disorders using brain connectome. <i>Medical Physics</i> , 2022, 49, 3171-3184.	3.0	8
3	Multi-Contrast MRI Image Synthesis Using Switchable Cycle-Consistent Generative Adversarial Networks. <i>Diagnostics</i> , 2022, 12, 816.	2.6	9
4	Prenatal opioid exposure is associated with smaller brain volumes in multiple regions. <i>Pediatric Research</i> , 2021, 90, 397-402.	2.3	41
5	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.	2.0	10
6	Perinatal Risk and Protective Factors in the Development of Diffuse White Matter Abnormality on Term-Equivalent Age Magnetic Resonance Imaging in Infants Born Very Preterm. <i>Journal of Pediatrics</i> , 2021, 233, 58-65.e3.	1.8	23
7	Current and emerging artificial intelligence applications for pediatric abdominal imaging. <i>Pediatric Radiology</i> , 2021, , 1.	2.0	7
8	Automatic Segmentation of Diffuse White Matter Abnormality on T2-weighted Brain MR Images Using Deep Learning in Very Preterm Infants. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e200166.	5.8	7
9	Diffusion MRI Microstructural Abnormalities at Term-Equivalent Age Are Associated with Neurodevelopmental Outcomes at 3 Years of Age in Very Preterm Infants. <i>American Journal of Neuroradiology</i> , 2021, 42, 1535-1542.	2.4	9
10	Diffuse white matter abnormality in very preterm infants at term reflects reduced brain network efficiency. <i>NeuroImage: Clinical</i> , 2021, 31, 102739.	2.7	6
11	Deep Multimodal Learning From MRI and Clinical Data for Early Prediction of Neurodevelopmental Deficits in Very Preterm Infants. <i>Frontiers in Neuroscience</i> , 2021, 15, 753033.	2.8	14
12	Neonatal Functional and Structural Connectivity Are Associated with Cerebral Palsy at Two Years of Age. <i>American Journal of Perinatology</i> , 2020, 37, 137-145.	1.4	8
13	Early cortical maturation predicts neurodevelopment in very preterm infants. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2020, 105, 460-465.	2.8	39
14	Early Prediction of Cognitive Deficit in Very Preterm Infants Using Brain Structural Connectome With Transfer Learning Enhanced Deep Convolutional Neural Networks. <i>Frontiers in Neuroscience</i> , 2020, 14, 858.	2.8	13
15	Novel diffuse white matter abnormality biomarker at term-equivalent age enhances prediction of long-term motor development in very preterm children. <i>Scientific Reports</i> , 2020, 10, 15920.	3.3	12
16	A multi-task, multi-stage deep transfer learning model for early prediction of neurodevelopment in very preterm infants. <i>Scientific Reports</i> , 2020, 10, 15072.	3.3	26
17	Automated brain morphometric biomarkers from MRI at term predict motor development in very preterm infants. <i>NeuroImage: Clinical</i> , 2020, 28, 102475.	2.7	16
18	Objectively Diagnosed Diffuse White Matter Abnormality at Term Is an Independent Predictor of Cognitive and Language Outcomes in Infants Born Very Preterm. <i>Journal of Pediatrics</i> , 2020, 220, 56-63.	1.8	15

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19	Antecedents of Objectively Diagnosed Diffuse White Matter Abnormality in Very Preterm Infants. <i>Pediatric Neurology</i> , 2020, 106, 56-62.	2.1	9
20	Objective and Automated Detection of Diffuse White Matter Abnormality in Preterm Infants Using Deep Convolutional Neural Networks. <i>Frontiers in Neuroscience</i> , 2019, 13, 610.	2.8	13
21	Machine Learning Prediction of Liver Stiffness Using Clinical and T2-Weighted MRI Radiomic Data. <i>American Journal of Roentgenology</i> , 2019, 213, 592-601.	2.2	37
22	Enhancing Diagnosis of Autism With Optimized Machine Learning Models and Personal Characteristic Data. <i>Frontiers in Computational Neuroscience</i> , 2019, 13, 9.	2.1	74
23	Retinopathy of Prematurity and Bronchopulmonary Dysplasia are Independent Antecedents of Cortical Maturational Abnormalities in Very Preterm Infants. <i>Scientific Reports</i> , 2019, 9, 19679.	3.3	18
24	A Multichannel Deep Neural Network Model Analyzing Multiscale Functional Brain Connectome Data for Attention Deficit Hyperactivity Disorder Detection. <i>Radiology: Artificial Intelligence</i> , 2019, 2, e190012.	5.8	29
25	Early prediction of cognitive deficits in very preterm infants using functional connectome data in an artificial neural network framework. <i>NeuroImage: Clinical</i> , 2018, 18, 290-297.	2.7	60
26	A Novel Transfer Learning Approach to Enhance Deep Neural Network Classification of Brain Functional Connectomes. <i>Frontiers in Neuroscience</i> , 2018, 12, 491.	2.8	114
27	Altered functional network connectivity in preterm infants: antecedents of cognitive and motor impairments?. <i>Brain Structure and Function</i> , 2018, 223, 3665-3680.	2.3	45
28	Optimization of magnetization-prepared rapid gradient echo (MP-RAGE) sequence for neonatal brain MRI. <i>Pediatric Radiology</i> , 2018, 48, 1139-1151.	2.0	6
29	Improving structural brain images acquired with the 3D FLASH sequence. <i>Magnetic Resonance Imaging</i> , 2017, 38, 224-232.	1.8	1
30	Brain functional network connectivity development in very preterm infants: The first six months. <i>Early Human Development</i> , 2016, 98, 29-35.	1.8	32
31	Aberrant Executive and Frontoparietal Functional Connectivity in Very Preterm Infants With Diffuse White Matter Abnormalities. <i>Pediatric Neurology</i> , 2015, 53, 330-337.	2.1	27
32	Reliability and Repeatability of Quantitative Tractography Methods for Mapping Structural White Matter Connectivity in Preterm and Term Infants at Term-Equivalent Age. <i>PLoS ONE</i> , 2014, 9, e85807.	2.5	32
33	Optimizing the Magnetization-Prepared Rapid Gradient-Echo (MP-RAGE) Sequence. <i>PLoS ONE</i> , 2014, 9, e96899.	2.5	42
34	Automatically Quantified Diffuse Excessive High Signal Intensity on MRI Predicts Cognitive Development in Preterm Infants. <i>Pediatric Neurology</i> , 2013, 49, 424-430.	2.1	35
35	Automated detection of white matter signal abnormality using T2 relaxometry: Application to brain segmentation on term MRI in very preterm infants. <i>NeuroImage</i> , 2013, 64, 328-340.	4.2	27
36	Atlas-Guided Quantification of White Matter Signal Abnormalities on Term-Equivalent Age MRI in Very Preterm Infants: Findings Predict Language and Cognitive Development at Two Years of Age. <i>PLoS ONE</i> , 2013, 8, e85475.	2.5	26