

Christopher Kelly

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

4,349
citations

471509

17
h-index

610901

24
g-index

29
all docs

29
docs citations

29
times ranked

5623
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial Intelligence in Pediatrics. , 2022, , 1029-1045.		0
2	Quantitative Analysis of OCT for Neovascular Age-Related Macular Degeneration Using Deep Learning. Ophthalmology, 2021, 128, 693-705.	5.2	64
3	Cognitive function in toddlers with congenital heart disease: The impact of a stimulating home environment. Infancy, 2021, 26, 184-199.	1.6	21
4	Individualized brain development and cognitive outcome in infants with congenital heart disease. Brain Communications, 2021, 3, fcab046.	3.3	19
5	Clinically Applicable Segmentation of Head and Neck Anatomy for Radiotherapy: Deep Learning Algorithm Development and Validation Study. Journal of Medical Internet Research, 2021, 23, e26151.	4.3	142
6	MRI studies of brain size and growth in individuals with congenital heart disease. Translational Pediatrics, 2021, 10, 2171-2181.	1.2	3
7	Validation and Clinical Applicability of Whole-Volume Automated Segmentation of Optical Coherence Tomography in Retinal Disease Using Deep Learning. JAMA Ophthalmology, 2021, 139, 964.	2.5	23
8	Artificial Intelligence in Pediatrics. , 2021, , 1-18.		2
9	A Uniform Description of Perioperative Brain MRI Findings in Infants with Severe Congenital Heart Disease: Results of a European Collaboration. American Journal of Neuroradiology, 2021, 42, 2034-2039.	2.4	21
10	International evaluation of an AI system for breast cancer screening. Nature, 2020, 577, 89-94.	27.8	1,458
11	Guidelines for clinical trial protocols for interventions involving artificial intelligence: the SPIRIT-AI extension. The Lancet Digital Health, 2020, 2, e549-e560.	12.3	135
12	Reduced structural connectivity in cortico-striatal-thalamic network in neonates with congenital heart disease. NeuroImage: Clinical, 2020, 28, 102423.	2.7	14
13	Reporting guidelines for clinical trial reports for interventions involving artificial intelligence: the CONSORT-AI extension. The Lancet Digital Health, 2020, 2, e537-e548.	12.3	112
14	Reporting guidelines for clinical trial reports for interventions involving artificial intelligence: the CONSORT-AI extension. Nature Medicine, 2020, 26, 1364-1374.	30.7	353
15	Investigating altered brain development in infants with congenital heart disease using tensor-based morphometry. Scientific Reports, 2020, 10, 14909.	3.3	17
16	Predicting conversion to wet age-related macular degeneration using deep learning. Nature Medicine, 2020, 26, 892-899.	30.7	178
17	Different patterns of cortical maturation before and after 38 weeks gestational age demonstrated by diffusion MRI in vivo. NeuroImage, 2019, 185, 764-775.	4.2	73
18	Neuroimaging findings in newborns with congenital heart disease prior to surgery: an observational study. Archives of Disease in Childhood, 2019, 104, 1042-1048.	1.9	37

#	ARTICLE	IF	CITATIONS
19	Key challenges for delivering clinical impact with artificial intelligence. BMC Medicine, 2019, 17, 195.	5.5	968
20	Rapid advances in auto-segmentation of organs at risk and target volumes in head and neck cancer. Radiotherapy and Oncology, 2019, 135, 130-140.	0.6	86
21	Advances in neonatal MRI of the brain: from research to practice. Archives of Disease in Childhood: Education and Practice Edition, 2019, 104, 106-110.	0.5	8
22	The developing human connectome project: A minimal processing pipeline for neonatal cortical surface reconstruction. NeuroImage, 2018, 173, 88-112.	4.2	315
23	Recent advances in diffusion neuroimaging: applications in the developing preterm brain. F1000Research, 2018, 7, 1326.	1.6	45
24	Neuroimaging, cardiovascular physiology, and functional outcomes in infants with congenital heart disease. Developmental Medicine and Child Neurology, 2017, 59, 894-902.	2.1	46
25	Promoting innovation in healthcare. Future Hospital Journal, 2017, 4, 121-125.	0.2	35
26	Impaired development of the cerebral cortex in infants with congenital heart disease is correlated to reduced cerebral oxygen delivery. Scientific Reports, 2017, 7, 15088.	3.3	60