

Rosalind Aughwane

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

430
citations

933447

10
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

577
citing authors

#	ARTICLE	IF	CITATIONS
1	Developments in functional imaging of the placenta. British Journal of Radiology, 2022, , 20211010.	2.2	9
2	Texture-Based Analysis of Fetal Organs in Fetal Growth Restriction. Lecture Notes in Computer Science, 2021, , 253-262.	1.3	0
3	Structure-function relationships in the fetoplacental circulation from in silico interpretation of micro-CT vascular structures. Journal of Theoretical Biology, 2021, 517, 110630.	1.7	14
4	The effects of maternal position, in late gestation pregnancy, on placental blood flow and oxygenation: an MRI study. Journal of Physiology, 2021, 599, 1901-1915.	2.9	17
5	Placental MRI and its application to fetal intervention. Prenatal Diagnosis, 2020, 40, 38-48.	2.3	44
6	An automated framework for localization, segmentation and super-resolution reconstruction of fetal brain MRI. NeuroImage, 2020, 206, 116324.	4.2	160
7	Photoacoustic imaging of the human placental vasculature. Journal of Biophotonics, 2020, 13, e201900167.	2.3	36
8	Improved fetal blood oxygenation and placental estimated measurements of diffusion-weighted MRI using data-driven Bayesian modeling. Magnetic Resonance in Medicine, 2020, 83, 2160-2172.	3.0	15
9	Magnetic resonance assessment of the effect of maternal position on fetoplacental blood flow and oxygenation. Placenta, 2019, 83, e84.	1.5	2
10	Separating fetal and maternal placenta circulations using multiparametric MRI. Magnetic Resonance in Medicine, 2019, 81, 350-361.	3.0	59
11	Improved Placental Parameter Estimation Using Data-Driven Bayesian Modelling. Lecture Notes in Computer Science, 2019, , 609-616.	1.3	0
12	3D printing from microfocus computed tomography (micro-CT) in human specimens: education and future implications. British Journal of Radiology, 2018, 91, 20180306.	2.2	26
13	An Automated Localization, Segmentation and Reconstruction Framework for Fetal Brain MRI. Lecture Notes in Computer Science, 2018, , 313-320.	1.3	26
14	MRI Measurement of Placental Perfusion and Fetal Blood Oxygen Saturation in Normal Pregnancy and Placental Insufficiency. Lecture Notes in Computer Science, 2018, , 913-920.	1.3	3