

# Rosalind Aughwane

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1391533/publications.pdf>

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