

# Eric M Schrauben

## List of Publications by Year in descending order

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24  
papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical Feasibility of Structural and Functional MRI in Free-Breathing Neonates and Infants. Journal of Magnetic Resonance Imaging, 2022, 55, 1696-1707.	1.9	10
2	Clinical Feasibility of Structural and Functional MRI in Free-Breathing Neonates and Infants. Journal of Magnetic Resonance Imaging, 2022, 55, .	1.9	0
3	Seeing the fetus from a DOHaD perspective: discussion paper from the advanced imaging techniques of DOHaD applications workshop held at the 2019 DOHaD World Congress. Journal of Developmental Origins of Health and Disease, 2021, 12, 153-167.	0.7	4
4	Fetal Flow Quantification in Great Vessels Using Motion-Corrected Radial Phase Contrast MRI : Comparison With Cartesian. Journal of Magnetic Resonance Imaging, 2021, 53, 540-551.	1.9	9
5	Open or closed: Changes in ductus arteriosus flow patterns at birth using 4D flow MRI in newborn piglets. Physiological Reports, 2021, 9, e14999.	0.7	3
6	Motion robust respiratory-resolved 3D radial flow MRI and its application in neonatal congenital heart disease. Magnetic Resonance in Medicine, 2020, 83, 535-548.	1.9	11
7	Umbilical vein infusion of prostaglandin I <sub>2</sub> increases ductus venosus shunting of oxygen-rich blood but does not increase cerebral oxygen delivery in the fetal sheep. Journal of Physiology, 2020, 598, 4957-4967.	1.3	10
8	Technique for comprehensive fetal hepatic blood flow assessment in sheep using 4D flow MRI. Journal of Physiology, 2020, 598, 3555-3567.	1.3	9
9	Understanding Fetal Hemodynamics Using Cardiovascular Magnetic Resonance Imaging. Fetal Diagnosis and Therapy, 2020, 47, 354-362.	0.6	26
10	Simulation of semilunar valve function: computer-aided design, 3D printing and flow assessment with MR. 3D Printing in Medicine, 2020, 6, 2.	1.7	16
11	Intracardiac 4D Flow MRI in Congenital Heart Disease: Recommendations on Behalf of the ISMRM Flow & Motion Study Group. Journal of Magnetic Resonance Imaging, 2019, 50, spcone.	1.9	35
12	Intracardiac 4D Flow MRI in Congenital Heart Disease: Recommendations on Behalf of the ISMRM Flow & Motion Study Group. Journal of Magnetic Resonance Imaging, 2019, 50, 677-681.	1.9	32
13	Fetal hemodynamics and cardiac streaming assessed by 4D flow cardiovascular magnetic resonance in fetal sheep. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 8.	1.6	47
14	Left ventricular function and regional strain with subtly-tagged steady-state free precession feature tracking. Journal of Magnetic Resonance Imaging, 2018, 47, 787-797.	1.9	3
15	Preliminary Experience Using Motion Compensated CINE Magnetic Resonance Imaging to Visualise Fetal Congenital Heart Disease. Circulation: Cardiovascular Imaging, 2018, 11, e007745.	1.3	19
16	Multidimensional fetal flow imaging with cardiovascular magnetic resonance: a feasibility study. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 77.	1.6	27
17	Four-dimensional flow magnetic resonance imaging and ultrasound assessment of cerebrospinal venous flow in multiple sclerosis patients and controls. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 1483-1493.	2.4	8
18	Quantitative cerebrovascular 4D flow MRI at rest and during hypercapnia challenge. Magnetic Resonance Imaging, 2016, 34, 422-428.	1.0	23

#	ARTICLE	IF	CITATIONS
19	Phase unwrapping in 4D MR flow with a 4D single-step laplacian algorithm. Journal of Magnetic Resonance Imaging, 2016, 43, 833-842.	1.9	62
20	Respiratory-induced venous blood flow effects using flexible retrospective double-gating. Journal of Magnetic Resonance Imaging, 2015, 42, 211-216.	1.9	22
21	Fast 4D flow MRI intracranial segmentation and quantification in tortuous arteries. Journal of Magnetic Resonance Imaging, 2015, 42, 1458-1464.	1.9	53
22	Reproducibility of Cerebrospinal Venous Blood Flow and Vessel Anatomy with the Use of Phase Contrast-Vastly Undersampled Isotropic Projection Reconstruction and Contrast-Enhanced MRA. American Journal of Neuroradiology, 2014, 35, 999-1006.	1.2	23
23	Four-dimensional phase contrast MRI with accelerated dual velocity encoding. Journal of Magnetic Resonance Imaging, 2012, 35, 1462-1471.	1.9	81
24	Fetal cardiovascular blood flow MRI: techniques and applications. British Journal of Radiology, 0, , .	1.0	4