

Eric M Schrauben

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

537
citations

687220

13
h-index

713332

21
g-index

24
all docs

24
docs citations

24
times ranked

729
citing authors

#	ARTICLE	IF	CITATIONS
1	Four-dimensional phase contrast MRI with accelerated dual velocity encoding. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 1462-1471.	1.9	81
2	Phase unwrapping in 4D MR flow with a 4D single-step laplacian algorithm. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 833-842.	1.9	62
3	Fast 4D flow MRI intracranial segmentation and quantification in tortuous arteries. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1458-1464.	1.9	53
4	Fetal hemodynamics and cardiac streaming assessed by 4D flow cardiovascular magnetic resonance in fetal sheep. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 8.	1.6	47
5	Intracardiac 4D Flow MRI in Congenital Heart Disease: Recommendations on Behalf of the ISMRM Flow & Motion Study Group. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, spcone.	1.9	35
6	Intracardiac 4D Flow MRI in Congenital Heart Disease: Recommendations on Behalf of the ISMRM Flow & Motion Study Group. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 677-681.	1.9	32
7	Multidimensional fetal flow imaging with cardiovascular magnetic resonance: a feasibility study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 77.	1.6	27
8	Understanding Fetal Hemodynamics Using Cardiovascular Magnetic Resonance Imaging. <i>Fetal Diagnosis and Therapy</i> , 2020, 47, 354-362.	0.6	26
9	Reproducibility of Cerebrospinal Venous Blood Flow and Vessel Anatomy with the Use of Phase Contrast-Vastly Undersampled Isotropic Projection Reconstruction and Contrast-Enhanced MRA. <i>American Journal of Neuroradiology</i> , 2014, 35, 999-1006.	1.2	23
10	Quantitative cerebrovascular 4D flow MRI at rest and during hypercapnia challenge. <i>Magnetic Resonance Imaging</i> , 2016, 34, 422-428.	1.0	23
11	Respiratory-induced venous blood flow effects using flexible retrospective double-gating. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 211-216.	1.9	22
12	Preliminary Experience Using Motion Compensated CINE Magnetic Resonance Imaging to Visualise Fetal Congenital Heart Disease. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007745.	1.3	19
13	Simulation of semilunar valve function: computer-aided design, 3D printing and flow assessment with MR. <i>3D Printing in Medicine</i> , 2020, 6, 2.	1.7	16
14	Motion robust respiratory-resolved 3D radial flow MRI and its application in neonatal congenital heart disease. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 535-548.	1.9	11
15	Umbilical vein infusion of prostaglandin I ₂ increases ductus venosus shunting of oxygen-rich blood but does not increase cerebral oxygen delivery in the fetal sheep. <i>Journal of Physiology</i> , 2020, 598, 4957-4967.	1.3	10
16	Clinical Feasibility of Structural and Functional MRI in Free-Breathing Neonates and Infants. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 1696-1707.	1.9	10
17	Technique for comprehensive fetal hepatic blood flow assessment in sheep using 4D flow MRI. <i>Journal of Physiology</i> , 2020, 598, 3555-3567.	1.3	9
18	Fetal Flow Quantification in Great Vessels Using Motion-Corrected Radial Phase Contrast MRI : Comparison With Cartesian. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 540-551.	1.9	9

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19	Four-dimensional flow magnetic resonance imaging and ultrasound assessment of cerebrospinal venous flow in multiple sclerosis patients and controls. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1483-1493.	2.4	8
20	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. <i>Journal of Developmental Origins of Health and Disease</i> , 2021, 12, 153-167.	0.7	4
21	Fetal cardiovascular blood flow MRI: techniques and applications. <i>British Journal of Radiology</i> , 0, , .	1.0	4
22	Left ventricular function and regional strain with subtly-tagged steady-state free precession feature tracking. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 787-797.	1.9	3
23	Open or closed: Changes in ductus arteriosus flow patterns at birth using 4D flow MRI in newborn piglets. <i>Physiological Reports</i> , 2021, 9, e14999.	0.7	3
24	Clinical Feasibility of Structural and Functional MRI in Free-Breathing Neonates and Infants. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, .	1.9	0