

Daniela Prayer

List of Publications by Year in descending order

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Version: 2024-02-01

138
papers

4,137
citations

126907

33
h-index

138484

58
g-index

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all docs

140
docs citations

140
times ranked

4637
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel magnetic resonance imaging-based scoring system to predict outcome in neonates born preterm with intraventricular haemorrhage. <i>Developmental Medicine and Child Neurology</i> , 2022, 64, 608-617.	2.1	12
2	Disentangling cortical functional connectivity strength and topography reveals divergent roles of genes and environment. <i>NeuroImage</i> , 2022, 247, 118770.	4.2	9
3	White matter integrity is disrupted in adolescents with acute anorexia nervosa: A diffusion tensor imaging study. <i>Psychiatry Research - Neuroimaging</i> , 2022, 320, 111427.	1.8	2
4	Neuroradiological differentiation of white matter lesions in patients with multiple sclerosis and Fabry disease. <i>Orphanet Journal of Rare Diseases</i> , 2022, 17, 37.	2.7	1
5	Imaging visuospatial memory in temporal lobe epilepsy—Results of an fMRI study. <i>PLoS ONE</i> , 2022, 17, e0264349.	2.5	0
6	Brainstem and cerebellar volumes at magnetic resonance imaging are smaller in fetuses with congenital heart disease. <i>American Journal of Obstetrics and Gynecology</i> , 2022, 227, 282.e1-282.e15.	1.3	7
7	Different from the Beginning: WM Maturity of Female and Male Extremely Preterm Neonates—A Quantitative MRI Study. <i>American Journal of Neuroradiology</i> , 2022, 43, 611-619.	2.4	7
8	Impact of childhood cerebellar tumor surgery on cognition revealed by precuneus hyperconnectivity. <i>Neuro-Oncology Advances</i> , 2022, 4, vdac050.	0.7	1
9	Motion correction and volumetric reconstruction for fetal functional magnetic resonance imaging data. <i>NeuroImage</i> , 2022, 255, 119213.	4.2	7
10	IMG-03. Impact of childhood cerebellar tumor surgery on cognition: Can fMRI serve as a surrogate marker?. <i>Neuro-Oncology</i> , 2022, 24, i77-i77.	1.2	0
11	Validity of SyMRI for Assessment of the Neonatal Brain. <i>Clinical Neuroradiology</i> , 2021, 31, 315-323.	1.9	8
12	The role of the corpus callosum in language network connectivity in children. <i>Developmental Science</i> , 2021, 24, e13031.	2.4	24
13	Impact of Prematurity on the Tissue Properties of the Neonatal Brain Stem: A Quantitative MR Approach. <i>American Journal of Neuroradiology</i> , 2021, 42, 581-589.	2.4	5
14	Evaluation of the Temporal Muscle Thickness as an Independent Prognostic Biomarker in Patients with Primary Central Nervous System Lymphoma. <i>Cancers</i> , 2021, 13, 566.	3.7	21
15	The impact of hippocampal impairment on task-positive and task-negative language networks in temporal lobe epilepsy. <i>Clinical Neurophysiology</i> , 2021, 132, 404-411.	1.5	7
16	Developmental Differences Between the Limbic and Neocortical Telencephalic Wall: An Intrasubject Slice-Matched 3T MRI-Histological Correlative Study in Humans. <i>Cerebral Cortex</i> , 2021, 31, 3536-3550.	2.9	4
17	Beyond Isolated and Associated: A Novel Fetal MR Imaging-based Scoring System Helps in the Prenatal Prognostication of Callosal Agenesis. <i>American Journal of Neuroradiology</i> , 2021, 42, 782-786.	2.4	5
18	Neuroimaging in dementia. <i>Wiener Medizinische Wochenschrift</i> , 2021, 171, 274-281.	1.1	5

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19	The Prenatal Origins of Human Brain Asymmetry: Lessons Learned from a Cohort of Fetuses with Body Lateralization Defects. <i>Cerebral Cortex</i> , 2021, 31, 3713-3722.	2.9	6
20	The Prenatal Morphomechanic Impact of Agenesis of the Corpus Callosum on Human Brain Structure and Asymmetry. <i>Cerebral Cortex</i> , 2021, 31, 4024-4037.	2.9	6
21	Fetal movements: the origin of human behaviour. <i>Developmental Medicine and Child Neurology</i> , 2021, 63, 1142-1148.	2.1	35
22	Is fetal magnetic resonance imaging volumetry of eventrated organs in gastroschisis predictive for surgical treatment?. <i>Pediatric Radiology</i> , 2021, 51, 1818-1825.	2.0	1
23	Myelomeningocele "Chiari II malformation" Neurological predictability based on fetal and postnatal magnetic resonance imaging. <i>Prenatal Diagnosis</i> , 2021, 41, 922-932.	2.3	4
24	Characterization of the Hyperintense Bronchus Sign as a Fetal MRI Marker of Airway Obstruction. <i>Radiology</i> , 2021, 300, 423-430.	7.3	3
25	Diagnostic quality of 3Tesla postmortem magnetic resonance imaging in fetuses with and without congenital heart disease. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 225, 189.e1-189.e30.	1.3	5
26	Mapping Human Fetal Brain Maturation In Vivo Using Quantitative MRI. <i>American Journal of Neuroradiology</i> , 2021, 42, 2086-2093.	2.4	5
27	Effect of corpus callosum agenesis on the language network in children and adolescents. <i>Brain Structure and Function</i> , 2021, 226, 701-713.	2.3	16
28	3T MRI signal intensity profiles and thicknesses of transient zones in human fetal brain at mid-gestation. <i>European Journal of Paediatric Neurology</i> , 2021, 35, 67-73.	1.6	6
29	Olmaging features to distinguish AQP4-positive NMOSD and MS at disease onset: a retrospective analysis in a single-center cohort. <i>European Journal of Radiology</i> , 2021, 146, 110063.	2.6	0
30	Abnormal Extracardiac Development in Fetuses With Congenital Heart Disease. <i>Journal of the American College of Cardiology</i> , 2021, 78, 2312-2322.	2.8	12
31	Diffusion tensor imaging of the normal-appearing deep gray matter in primary and secondary progressive multiple sclerosis. <i>Acta Radiologica</i> , 2020, 61, 85-92.	1.1	4
32	Fetal MRI for dummies: what the fetal medicine specialist should know about acquisitions and sequences. <i>Prenatal Diagnosis</i> , 2020, 40, 6-17.	2.3	20
33	Noninvasive Differentiation of Meningiomas and Dural Metastases Using Intratumoral Vascularity Obtained by Arterial Spin Labeling. <i>Clinical Neuroradiology</i> , 2020, 30, 599-605.	1.9	5
34	The use of MRI in fetal conditions amenable for antenatal management. <i>Prenatal Diagnosis</i> , 2020, 40, 3-5.	2.3	1
35	Lesion-Specific Language Network Alterations in Temporal Lobe Epilepsy. <i>American Journal of Neuroradiology</i> , 2020, 41, 147-154.	2.4	10
36	The MRI spectrum of congenital cytomegalovirus infection. <i>Prenatal Diagnosis</i> , 2020, 40, 110-124.	2.3	57

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37	<i>Reply:</i>. American Journal of Neuroradiology, 2020, 41, E47-E48.	2.4	0
38	Comparison of the Visibility of Fetal Tooth Buds on 1.5 and 3 Tesla MRI. Journal of Clinical Medicine, 2020, 9, 3424.	2.4	3
39	Distributed changes of the functional connectome in patients with glioblastoma. Scientific Reports, 2020, 10, 18312.	3.3	19
40	Sarcopenia in Neurological Patients: Standard Values for Temporal Muscle Thickness and Muscle Strength Evaluation. Journal of Clinical Medicine, 2020, 9, 1272.	2.4	56
41	The Subplate Layers: The Superficial and Deep Subplate Can be Discriminated on 3 Tesla Human Fetal Postmortem MRI. Cerebral Cortex, 2020, 30, 5038-5048.	2.9	6
42	Prenatal ultrasound and magnetic resonance evaluation and fetal outcome in high-risk fetal tumors: A retrospective single-center cohort study over 20 years. Acta Obstetrica Et Gynecologica Scandinavica, 2020, 99, 1534-1545.	2.8	9
43	Lumbar Intervertebral Disc Degeneration as a Common Incidental Finding in Young Pregnant Women as Observed on Prenatal Magnetic Resonance Imaging. Journal of Women's Health, 2020, 29, 713-720.	3.3	4
44	Developmental dynamics of the periventricular parietal crossroads of growing cortical pathways in the fetal brain – In vivo fetal MRI with histological correlation. NeuroImage, 2020, 210, 116553.	4.2	12
45	SyMRI detects delayed myelination in preterm neonates. European Radiology, 2019, 29, 7063-7072.	4.5	21
46	Histological and MRI Study of the Development of the Human Indusium Griseum. Cerebral Cortex, 2019, 29, 4709-4724.	2.9	11
47	Echo-planar FLAIR Sequence Improves Subplate Visualization in Fetal MRI of the Brain. Radiology, 2019, 292, 159-169.	7.3	23
48	Underdevelopment of the Human Hippocampus in Callosal Agenesis: An In Vivo Fetal MRI Study. American Journal of Neuroradiology, 2019, 40, 576-581.	2.4	9
49	Cranial Nerve Enhancement in Multiple Sclerosis Is Associated With Younger Age at Onset and More Severe Disease. Frontiers in Neurology, 2019, 10, 1085.	2.4	7
50	Attenuation Correction Approaches for Serotonin Transporter Quantification With PET/MRI. Frontiers in Physiology, 2019, 10, 1422.	2.8	5
51	Single stage epilepsy surgery in children and adolescents with focal cortical dysplasia type II – Prognostic value of the intraoperative electrocorticogram. Clinical Neurophysiology, 2019, 130, 20-24.	1.5	5
52	Current Controversies in Prenatal Diagnosis 1: Should MRI be performed on all fetuses with mild ventriculomegaly?. Prenatal Diagnosis, 2019, 39, 331-338.	2.3	7
53	Dynamic [18F]FET-PET/MRI using standard MRI-based attenuation correction methods. European Radiology, 2019, 29, 4276-4285.	4.5	8
54	Microvessel ultrasound of neonatal brain parenchyma: feasibility, reproducibility, and normal imaging features by superb microvascular imaging (SMI). European Radiology, 2019, 29, 2127-2136.	4.5	32

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55	Atypical language representation is unfavorable for language abilities following childhood stroke. <i>European Journal of Paediatric Neurology</i> , 2019, 23, 102-116.	1.6	18
56	Hand MRI and the Greulich-Pyle atlas in skeletal age estimation in adolescents. <i>Skeletal Radiology</i> , 2018, 47, 963-971.	2.0	18
57	Epilepsy surgery in infants. <i>Wiener Klinische Wochenschrift</i> , 2018, 130, 341-348.	1.9	10
58	How accurate are prenatal tractography results? A postnatal in vivo follow-up study using diffusion tensor imaging. <i>Pediatric Radiology</i> , 2018, 48, 486-498.	2.0	24
59	Reply:. <i>American Journal of Neuroradiology</i> , 2018, 39, E124-E124.	2.4	1
60	High correlation of temporal muscle thickness with lumbar skeletal muscle cross-sectional area in patients with brain metastases. <i>PLoS ONE</i> , 2018, 13, e0207849.	2.5	63
61	Weaker semantic language lateralization associated with better semantic language performance in healthy right-handed children. <i>Brain and Behavior</i> , 2018, 8, e01072.	2.2	19
62	Clinical and magnetic resonance imaging features of children, adolescents, and adults with a clinically isolated syndrome. <i>European Journal of Paediatric Neurology</i> , 2018, 22, 1087-1094.	1.6	2
63	Assessing Corticospinal Tract Asymmetry in Unilateral Polymicrogyria. <i>American Journal of Neuroradiology</i> , 2018, 39, 1530-1535.	2.4	6
64	Temporal muscle thickness is an independent prognostic marker in melanoma patients with newly diagnosed brain metastases. <i>Journal of Neuro-Oncology</i> , 2018, 140, 173-178.	2.9	62
65	Tracing the structural origins of atypical language representation: consequences of prenatal mirror-imaged brain asymmetries in a dizygotic twin couple. <i>Brain Structure and Function</i> , 2018, 223, 3757-3767.	2.3	6
66	MR Fingerprinting: An Advance for Patients with Temporal Lobe Epilepsy. <i>Radiology</i> , 2018, 288, 813-814.	7.3	1
67	When two are better than one: Bilateral mesial temporal lobe contributions associated with better vocabulary skills in children and adolescents. <i>Brain and Language</i> , 2018, 184, 1-10.	1.6	14
68	Survival prediction using temporal muscle thickness measurements on cranial magnetic resonance images in patients with newly diagnosed brain metastases. <i>European Radiology</i> , 2017, 27, 3167-3173.	4.5	80
69	Mens inversus in corpore inverso? Language lateralization in a boy with situs inversus totalis. <i>Brain and Language</i> , 2017, 174, 9-15.	1.6	14
70	Fetal MRI at 3T ready for routine use?. <i>British Journal of Radiology</i> , 2017, 90, 20160362.	2.2	50
71	Neuronal correlates of cognitive function in patients with childhood cerebellar tumor lesions. <i>PLoS ONE</i> , 2017, 12, e0180200.	2.5	10
72	Radiological staging in pregnant patients with cancer. <i>ESMO Open</i> , 2016, 1, e000017.	4.5	23

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73	Childhood onset temporal lobe epilepsy: Beyond hippocampal sclerosis. <i>European Journal of Paediatric Neurology</i> , 2016, 20, 228-235.	1.6	7
74	Density of tumor-infiltrating lymphocytes correlates with extent of brain edema and overall survival time in patients with brain metastases. <i>Oncolmmunology</i> , 2016, 5, e1057388.	4.6	239
75	Fetal diffusion tensor quantification of brainstem pathology in Chiari II malformation. <i>European Radiology</i> , 2016, 26, 1274-1283.	4.5	21
76	Novel Histopathological Patterns in Cortical Tubers of Epilepsy Surgery Patients with Tuberous Sclerosis Complex. <i>PLoS ONE</i> , 2016, 11, e0157396.	2.5	69
77	Advanced fetal MRI: Diffusion tensor imaging, spectroscopy, dynamic MRI, resting-state functional MRI. <i>Journal of Pediatric Neuroradiology</i> , 2015, 01, 225-251.	0.1	2
78	Cerebral Lesions at Fetal Magnetic Resonance Imaging and Neurologic Outcome After Single Fetal Death in Monochorionic Twins. <i>Twin Research and Human Genetics</i> , 2015, 18, 606-612.	0.6	7
79	<i>WDR73</i> Mutations Cause Infantile Neurodegeneration and Variable Glomerular Kidney Disease. <i>Human Mutation</i> , 2015, 36, 1021-1028.	2.5	42
80	Nerve compression and pain in human volunteers with narrowvwide tourniquets. <i>World Journal of Orthopedics</i> , 2015, 6, 394.	1.8	9
81	Validation of In utero Tractography of Human Fetal Commissural and Internal Capsule Fibers with Histological Structure Tensor Analysis. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 164.	1.7	34
82	CROP â€“ The Clinico-Radiologico-Ophthalmological Paradox in Multiple Sclerosis: Are Patterns of Retinal and MRI Changes Heterogeneous and Thus Not Predictable?. <i>PLoS ONE</i> , 2015, 10, e0142272.	2.5	7
83	Fetal MRI detects early alterations of brain development in Tetralogy of Fallot. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 213, 392.e1-392.e7.	1.3	58
84	Fetal Cerebral Magnetic Resonance Imaging Beyond Morphology. <i>Seminars in Ultrasound, CT and MRI</i> , 2015, 36, 465-475.	1.5	24
85	Stress matters! Psychophysiological and emotional loadings of pregnant women undergoing fetal magnetic resonance imaging. <i>BMC Pregnancy and Childbirth</i> , 2015, 15, 25.	2.4	10
86	Disrupted developmental organization of the structural connectome in fetuses with corpus callosum agenesis. <i>NeuroImage</i> , 2015, 111, 277-288.	4.2	63
87	In Vivo Tractography of Fetal Association Fibers. <i>PLoS ONE</i> , 2015, 10, e0119536.	2.5	60
88	MR-Based Morphometry of the Posterior Fossa in Fetuses with Neural Tube Defects of the Spine. <i>PLoS ONE</i> , 2014, 9, e112585.	2.5	22
89	The relationship between eye movement and vision develops before birth. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 775.	2.0	17
90	Fetal functional imaging portrays heterogeneous development of emerging human brain networks. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 852.	2.0	109

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91	Epilepsy surgery in children and adolescents with malformations of cortical developmentâ€™ Outcome and impact of the new ILAE classification on focal cortical dysplasia. <i>Epilepsy Research</i> , 2014, 108, 1652-1661.	1.6	51
92	Association of tumor-infiltrating lymphocytes with brain edema and overall survival in brain metastases.. <i>Journal of Clinical Oncology</i> , 2014, 32, 2012-2012.	1.6	1
93	Structural congenital brain disease in congenital heart disease: Results from a fetal MRI program. <i>European Journal of Paediatric Neurology</i> , 2013, 17, 153-160.	1.6	34
94	Potential of magnetic resonance for imaging the fetal heart. <i>Seminars in Fetal and Neonatal Medicine</i> , 2013, 18, 286-297.	2.3	26
95	Assessing prenatal white matter connectivity in commissural agenesis. <i>Brain</i> , 2013, 136, 168-179.	7.6	57
96	Human Long Bone Development in Vivo: Analysis of the Distal Femoral Epimetaphysis on MR Images of Fetuses. <i>Radiology</i> , 2013, 267, 570-580.	7.3	18
97	An antecedent of later developing communicative functions: the fetal index finger. <i>BMJ, The</i> , 2013, 347, f7232-f7232.	6.0	5
98	Fetal magnetic resonance imaging of lymphangiomas. <i>Journal of Perinatal Medicine</i> , 2013, 41, 437-443.	1.4	22
99	Fetal Eye Movements on Magnetic Resonance Imaging. <i>PLoS ONE</i> , 2013, 8, e77439.	2.5	3
100	Quantification of the subcutaneous fat layer with MRI in fetuses of healthy mothers with no underlying metabolic disease vs. fetuses of diabetic and obese mothers. <i>Journal of Perinatal Medicine</i> , 2012, 40, 179-84.	1.4	15
101	MR imaging of the fetal musculoskeletal system. <i>Prenatal Diagnosis</i> , 2012, 32, 205-213.	2.3	23
102	Tumor disease and associated congenital abnormalities on prenatal MRI. <i>European Journal of Radiology</i> , 2012, 81, e115-e122.	2.6	20
103	Actual imaging time in fetal MRI. <i>European Journal of Radiology</i> , 2012, 81, e194-e196.	2.6	20
104	Maxillary dental arch biometry: assessment with fetal MR imaging. <i>Prenatal Diagnosis</i> , 2012, 32, 530-535.	2.3	6
105	Correlation of large brain edema with favorable prognosis in patients with single brain metastases.. <i>Journal of Clinical Oncology</i> , 2012, 30, 2053-2053.	1.6	0
106	The skeleton and musculature on foetal MRI. <i>Insights Into Imaging</i> , 2011, 2, 309-318.	3.4	21
107	Fetal akinesia and associated abnormalities on prenatal MRI. <i>Prenatal Diagnosis</i> , 2011, 31, 484-490.	2.3	28
108	The Prenatal Origin of Hemispheric Asymmetry: An In Utero Neuroimaging Study. <i>Cerebral Cortex</i> , 2011, 21, 1076-1083.	2.9	164

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109	Atlas Learning in Fetal Brain Development. Topics in Magnetic Resonance Imaging, 2011, 22, 107-111.	1.2	5
110	Skeletal Development on Fetal Magnetic Resonance Imaging. Topics in Magnetic Resonance Imaging, 2011, 22, 101-106.	1.2	9
111	Indications for Fetal MRI. Medical Radiology, 2010, , 1-17.	0.1	3
112	Magnetic resonance imaging of the fetal efferent lacrimal pathways. European Radiology, 2010, 20, 1965-1973.	4.5	15
113	Central Nervous System Disease in Langerhans Cell Histiocytosis. Journal of Pediatrics, 2010, 156, 873-881.e1.	1.8	193
114	Cerebral Malformations. Medical Radiology, 2010, , 287-308.	0.1	1
115	The Skeleton and Musculature. Medical Radiology, 2010, , 235-246.	0.1	0
116	Fetal MRI of Normal Brain Development. Medical Radiology, 2010, , 147-175.	0.1	1
117	Acquired Brain Pathology. Medical Radiology, 2010, , 309-327.	0.1	0
118	Fetal Diffusion Imaging. Topics in Magnetic Resonance Imaging, 2010, 21, 387-394.	1.2	34
119	Diagnostic Pitfalls in Fetal Brain MRI. Seminars in Perinatology, 2009, 33, 251-258.	2.5	18
120	Magnetic resonance spectroscopy of the fetal brain. Prenatal Diagnosis, 2009, 29, 434-441.	2.3	43
121	The Current State and Future of Fetal Imaging. Clinics in Perinatology, 2009, 36, 685-699.	2.1	23
122	Refining clinical phenotypes in septo-optic dysplasia based on MRI findings. European Journal of Pediatrics, 2008, 167, 1269-1276.	2.7	52
123	Diffusion-weighted MR imaging of the normal fetal lung. European Radiology, 2008, 18, 700-706.	4.5	35
124	Prenatal ultrasound and fetal MRI: The comparative value of each modality in prenatal diagnosis. European Journal of Radiology, 2008, 68, 214-226.	2.6	142
125	In utero tractography of fetal white matter development. NeuroImage, 2008, 43, 213-224.	4.2	198
126	Psychological Reactions in Women Undergoing Fetal Magnetic Resonance Imaging. Obstetrics and Gynecology, 2008, 111, 396-402.	2.4	27

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127	Fetal Neuroimaging: Ultrasound, MRI, or Both?. <i>Obstetrical and Gynecological Survey</i> , 2008, 63, 733-745.	0.4	44
128	Investigation of normal organ development with fetal MRI. <i>European Radiology</i> , 2007, 17, 2458-2471.	4.5	55
129	Methods of fetal MR: beyond T2-weighted imaging. <i>European Journal of Radiology</i> , 2006, 57, 172-181.	2.6	107
130	A new look at the fetus: Thick-slab T2-weighted sequences in fetal MRI. <i>European Journal of Radiology</i> , 2006, 57, 182-186.	2.6	20
131	MRI of normal fetal brain development. <i>European Journal of Radiology</i> , 2006, 57, 199-216.	2.6	203
132	MRI of fetal acquired brain lesions. <i>European Journal of Radiology</i> , 2006, 57, 233-249.	2.6	51
133	Magnetic resonance imaging of the normal placenta. <i>European Journal of Radiology</i> , 2006, 57, 256-260.	2.6	95
134	Normal renal development investigated with fetal MRI. <i>European Journal of Radiology</i> , 2006, 57, 294-302.	2.6	55
135	Fetal abdominal magnetic resonance imaging. <i>European Journal of Radiology</i> , 2006, 57, 278-293.	2.6	81
136	MRI of normal and pathological fetal lung development. <i>European Journal of Radiology</i> , 2006, 57, 261-270.	2.6	117
137	Fetal MRI: techniques and protocols. <i>Pediatric Radiology</i> , 2004, 34, 685-93.	2.0	151
138	Diffusion-weighted magnetic resonance imaging of cerebral white matter development. <i>European Journal of Radiology</i> , 2003, 45, 235-243.	2.6	65