

Daniela Prayer

List of Publications by Year in descending order

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138
papers

4,137
citations

126907

33
h-index

138484

58
g-index

140
all docs

140
docs citations

140
times ranked

4637
citing authors

#	ARTICLE	IF	CITATIONS
1	Density of tumor-infiltrating lymphocytes correlates with extent of brain edema and overall survival time in patients with brain metastases. <i>Oncolimmunology</i> , 2016, 5, e1057388.	4.6	239
2	MRI of normal fetal brain development. <i>European Journal of Radiology</i> , 2006, 57, 199-216.	2.6	203
3	In utero tractography of fetal white matter development. <i>NeuroImage</i> , 2008, 43, 213-224.	4.2	198
4	Central Nervous System Disease in Langerhans Cell Histiocytosis. <i>Journal of Pediatrics</i> , 2010, 156, 873-881.e1.	1.8	193
5	The Prenatal Origin of Hemispheric Asymmetry: An In Utero Neuroimaging Study. <i>Cerebral Cortex</i> , 2011, 21, 1076-1083.	2.9	164
6	Fetal MRI: techniques and protocols. <i>Pediatric Radiology</i> , 2004, 34, 685-93.	2.0	151
7	Prenatal ultrasound and fetal MRI: The comparative value of each modality in prenatal diagnosis. <i>European Journal of Radiology</i> , 2008, 68, 214-226.	2.6	142
8	MRI of normal and pathological fetal lung development. <i>European Journal of Radiology</i> , 2006, 57, 261-270.	2.6	117
9	Fetal functional imaging portrays heterogeneous development of emerging human brain networks. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 852.	2.0	109
10	Methods of fetal MR: beyond T2-weighted imaging. <i>European Journal of Radiology</i> , 2006, 57, 172-181.	2.6	107
11	Magnetic resonance imaging of the normal placenta. <i>European Journal of Radiology</i> , 2006, 57, 256-260.	2.6	95
12	Fetal abdominal magnetic resonance imaging. <i>European Journal of Radiology</i> , 2006, 57, 278-293.	2.6	81
13	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
14	Novel Histopathological Patterns in Cortical Tubers of Epilepsy Surgery Patients with Tuberous Sclerosis Complex. <i>PLoS ONE</i> , 2016, 11, e0157396.	2.5	69
15	Diffusion-weighted magnetic resonance imaging of cerebral white matter development. <i>European Journal of Radiology</i> , 2003, 45, 235-243.	2.6	65
16	Disrupted developmental organization of the structural connectome in fetuses with corpus callosum agenesis. <i>NeuroImage</i> , 2015, 111, 277-288.	4.2	63
17	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
18	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

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19	In Vivo Tractography of Fetal Association Fibers. PLoS ONE, 2015, 10, e0119536.	2.5	60
20	Fetal MRI detects early alterations of brain development in Tetralogy of Fallot. American Journal of Obstetrics and Gynecology, 2015, 213, 392.e1-392.e7.	1.3	58
21	Assessing prenatal white matter connectivity in commissural agenesis. Brain, 2013, 136, 168-179.	7.6	57
22	The MRI spectrum of congenital cytomegalovirus infection. Prenatal Diagnosis, 2020, 40, 110-124.	2.3	57
23	Sarcopenia in Neurological Patients: Standard Values for Temporal Muscle Thickness and Muscle Strength Evaluation. Journal of Clinical Medicine, 2020, 9, 1272.	2.4	56
24	Normal renal development investigated with fetal MRI. European Journal of Radiology, 2006, 57, 294-302.	2.6	55
25	Investigation of normal organ development with fetal MRI. European Radiology, 2007, 17, 2458-2471.	4.5	55
26	Refining clinical phenotypes in septo-optic dysplasia based on MRI findings. European Journal of Pediatrics, 2008, 167, 1269-1276.	2.7	52
27	MRI of fetal acquired brain lesions. European Journal of Radiology, 2006, 57, 233-249.	2.6	51
28	Epilepsy surgery in children and adolescents with malformations of cortical development—Outcome and impact of the new ILAE classification on focal cortical dysplasia. Epilepsy Research, 2014, 108, 1652-1661.	1.6	51
29	Fetal MRI at 3T—ready for routine use?. British Journal of Radiology, 2017, 90, 20160362.	2.2	50
30	Fetal Neuroimaging: Ultrasound, MRI, or Both?. Obstetrical and Gynecological Survey, 2008, 63, 733-745.	0.4	44
31	Magnetic resonance spectroscopy of the fetal brain. Prenatal Diagnosis, 2009, 29, 434-441.	2.3	43
32	<i>WDR73</i> Mutations Cause Infantile Neurodegeneration and Variable Glomerular Kidney Disease. Human Mutation, 2015, 36, 1021-1028.	2.5	42
33	Diffusion-weighted MR imaging of the normal fetal lung. European Radiology, 2008, 18, 700-706.	4.5	35
34	Fetal movements: the origin of human behaviour. Developmental Medicine and Child Neurology, 2021, 63, 1142-1148.	2.1	35
35	Fetal Diffusion Imaging. Topics in Magnetic Resonance Imaging, 2010, 21, 387-394.	1.2	34
36	Structural congenital brain disease in congenital heart disease: Results from a fetal MRI program. European Journal of Paediatric Neurology, 2013, 17, 153-160.	1.6	34

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37	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
38	Microvessel ultrasound of neonatal brain parenchyma: feasibility, reproducibility, and normal imaging features by superb microvascular imaging (SMI). <i>European Radiology</i> , 2019, 29, 2127-2136.	4.5	32
39	Fetal akinesia and associated abnormalities on prenatal MRI. <i>Prenatal Diagnosis</i> , 2011, 31, 484-490.	2.3	28
40	Psychological Reactions in Women Undergoing Fetal Magnetic Resonance Imaging. <i>Obstetrics and Gynecology</i> , 2008, 111, 396-402.	2.4	27
41	Potential of magnetic resonance for imaging the fetal heart. <i>Seminars in Fetal and Neonatal Medicine</i> , 2013, 18, 286-297.	2.3	26
42	Fetal Cerebral Magnetic Resonance Imaging Beyond Morphology. <i>Seminars in Ultrasound, CT and MRI</i> , 2015, 36, 465-475.	1.5	24
43	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
44	The role of the corpus callosum in language network connectivity in children. <i>Developmental Science</i> , 2021, 24, e13031.	2.4	24
45	The Current State and Future of Fetal Imaging. <i>Clinics in Perinatology</i> , 2009, 36, 685-699.	2.1	23
46	MR imaging of the fetal musculoskeletal system. <i>Prenatal Diagnosis</i> , 2012, 32, 205-213.	2.3	23
47	Radiological staging in pregnant patients with cancer. <i>ESMO Open</i> , 2016, 1, e000017.	4.5	23
48	Echo-planar FLAIR Sequence Improves Subplate Visualization in Fetal MRI of the Brain. <i>Radiology</i> , 2019, 292, 159-169.	7.3	23
49	Fetal magnetic resonance imaging of lymphangiomas. <i>Journal of Perinatal Medicine</i> , 2013, 41, 437-443.	1.4	22
50	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
51	The skeleton and musculature on foetal MRI. <i>Insights Into Imaging</i> , 2011, 2, 309-318.	3.4	21
52	Fetal diffusion tensor quantification of brainstem pathology in Chiari II malformation. <i>European Radiology</i> , 2016, 26, 1274-1283.	4.5	21
53	SyMRI detects delayed myelination in preterm neonates. <i>European Radiology</i> , 2019, 29, 7063-7072.	4.5	21
54	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

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55	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
56	Tumor disease and associated congenital abnormalities on prenatal MRI. <i>European Journal of Radiology</i> , 2012, 81, e115-e122.	2.6	20
57	Actual imaging time in fetal MRI. <i>European Journal of Radiology</i> , 2012, 81, e194-e196.	2.6	20
58	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
59	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
60	Distributed changes of the functional connectome in patients with glioblastoma. <i>Scientific Reports</i> , 2020, 10, 18312.	3.3	19
61	Diagnostic Pitfalls in Fetal Brain MRI. <i>Seminars in Perinatology</i> , 2009, 33, 251-258.	2.5	18
62	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
63	Hand MRI and the Greulich-Pyle atlas in skeletal age estimation in adolescents. <i>Skeletal Radiology</i> , 2018, 47, 963-971.	2.0	18
64	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
65	The relationship between eye movement and vision develops before birth. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 775.	2.0	17
66	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
67	Magnetic resonance imaging of the fetal efferent lacrimal pathways. <i>European Radiology</i> , 2010, 20, 1965-1973.	4.5	15
68	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
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	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
71	Developmental dynamics of the periventricular parietal crossroads of growing cortical pathways in the fetal brain – In vivo fetal MRI with histological correlation. <i>NeuroImage</i> , 2020, 210, 116553.	4.2	12
72	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

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73	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
74	Histological and MRI Study of the Development of the Human Indusium Griseum. <i>Cerebral Cortex</i> , 2019, 29, 4709-4724.	2.9	11
75	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
76	Epilepsy surgery in infants. <i>Wiener Klinische Wochenschrift</i> , 2018, 130, 341-348.	1.9	10
77	Lesion-Specific Language Network Alterations in Temporal Lobe Epilepsy. <i>American Journal of Neuroradiology</i> , 2020, 41, 147-154.	2.4	10
78	Neuronal correlates of cognitive function in patients with childhood cerebellar tumor lesions. <i>PLoS ONE</i> , 2017, 12, e0180200.	2.5	10
79	Skeletal Development on Fetal Magnetic Resonance Imaging. <i>Topics in Magnetic Resonance Imaging</i> , 2011, 22, 101-106.	1.2	9
80	Nerve compression and pain in human volunteers with narrowvwide tourniquets. <i>World Journal of Orthopedics</i> , 2015, 6, 394.	1.8	9
81	Underdevelopment of the Human Hippocampus in Callosal Agenesis: An In Vivo Fetal MRI Study. <i>American Journal of Neuroradiology</i> , 2019, 40, 576-581.	2.4	9
82	Prenatal ultrasound and magnetic resonance evaluation and fetal outcome in high-risk fetal tumors: A retrospective single-center cohort study over 20 years. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2020, 99, 1534-1545.	2.8	9
83	Disentangling cortical functional connectivity strength and topography reveals divergent roles of genes and environment. <i>NeuroImage</i> , 2022, 247, 118770.	4.2	9
84	Dynamic [18F]FET-PET/MRI using standard MRI-based attenuation correction methods. <i>European Radiology</i> , 2019, 29, 4276-4285.	4.5	8
85	Validity of SyMRI for Assessment of the Neonatal Brain. <i>Clinical Neuroradiology</i> , 2021, 31, 315-323.	1.9	8
86	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
87	CROP – 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
88	Childhood onset temporal lobe epilepsy: Beyond hippocampal sclerosis. <i>European Journal of Paediatric Neurology</i> , 2016, 20, 228-235.	1.6	7
89	Cranial Nerve Enhancement in Multiple Sclerosis Is Associated With Younger Age at Onset and More Severe Disease. <i>Frontiers in Neurology</i> , 2019, 10, 1085.	2.4	7
90	Current Controversies in Prenatal Diagnosis 1: Should MRI be performed on all fetuses with mild ventriculomegaly?. <i>Prenatal Diagnosis</i> , 2019, 39, 331-338.	2.3	7

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91	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
92	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
93	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
94	Motion correction and volumetric reconstruction for fetal functional magnetic resonance imaging data. <i>NeuroImage</i> , 2022, 255, 119213.	4.2	7
95	Maxillary dental arch biometry: assessment with fetal MR imaging. <i>Prenatal Diagnosis</i> , 2012, 32, 530-535.	2.3	6
96	Assessing Corticospinal Tract Asymmetry in Unilateral Polymicrogyria. <i>American Journal of Neuroradiology</i> , 2018, 39, 1530-1535.	2.4	6
97	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
98	The Subplate Layers: The Superficial and Deep Subplate Can be Discriminated on 3 Tesla Human Fetal Postmortem MRI. <i>Cerebral Cortex</i> , 2020, 30, 5038-5048.	2.9	6
99	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
100	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
101	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
102	Atlas Learning in Fetal Brain Development. <i>Topics in Magnetic Resonance Imaging</i> , 2011, 22, 107-111.	1.2	5
103	An antecedent of later developing communicative functions: the fetal index finger. <i>BMJ</i> , 2013, 347, f7232-f7232.	6.0	5
104	Attenuation Correction Approaches for Serotonin Transporter Quantification With PET/MRI. <i>Frontiers in Physiology</i> , 2019, 10, 1422.	2.8	5
105	Single stage epilepsy surgery in children and adolescents with focal cortical dysplasia type II—Prognostic value of the intraoperative electrocorticogram. <i>Clinical Neurophysiology</i> , 2019, 130, 20-24.	1.5	5
106	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
107	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
108	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

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109	Neuroimaging in dementia. Wiener Medizinische Wochenschrift, 2021, 171, 274-281.	1.1	5
110	Diagnostic quality of 3Tesla postmortem magnetic resonance imaging in fetuses with and without congenital heart disease. American Journal of Obstetrics and Gynecology, 2021, 225, 189.e1-189.e30.	1.3	5
111	Mapping Human Fetal Brain Maturation In Vivo Using Quantitative MRI. American Journal of Neuroradiology, 2021, 42, 2086-2093.	2.4	5
112	Diffusion tensor imaging of the normal-appearing deep gray matter in primary and secondary progressive multiple sclerosis. Acta Radiologica, 2020, 61, 85-92.	1.1	4
113	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
114	Developmental Differences Between the Limbic and Neocortical Telencephalic Wall: An Intrasubject Slice-Matched 3T MRI-Histological Correlative Study in Humans. Cerebral Cortex, 2021, 31, 3536-3550.	2.9	4
115	Myelomeningocele "Chiari II malformation" Neurological predictability based on fetal and postnatal magnetic resonance imaging. Prenatal Diagnosis, 2021, 41, 922-932.	2.3	4
116	Indications for Fetal MRI. Medical Radiology, 2010, , 1-17.	0.1	3
117	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
118	Characterization of the Hyperintense Bronchus Sign as a Fetal MRI Marker of Airway Obstruction. Radiology, 2021, 300, 423-430.	7.3	3
119	Fetal Eye Movements on Magnetic Resonance Imaging. PLoS ONE, 2013, 8, e77439.	2.5	3
120	Advanced fetal MRI: Diffusion tensor imaging, spectroscopy, dynamic MRI, resting-state functional MRI. Journal of Pediatric Neuroradiology, 2015, 01, 225-251.	0.1	2
121	Clinical and magnetic resonance imaging features of children, adolescents, and adults with a clinically isolated syndrome. European Journal of Paediatric Neurology, 2018, 22, 1087-1094.	1.6	2
122	White matter integrity is disrupted in adolescents with acute anorexia nervosa: A diffusion tensor imaging study. Psychiatry Research - Neuroimaging, 2022, 320, 111427.	1.8	2
123	Cerebral Malformations. Medical Radiology, 2010, , 287-308.	0.1	1
124	Fetal MRI of Normal Brain Development. Medical Radiology, 2010, , 147-175.	0.1	1
125	Reply:. American Journal of Neuroradiology, 2018, 39, E124-E124.	2.4	1
126	MR Fingerprinting: An Advance for Patients with Temporal Lobe Epilepsy. Radiology, 2018, 288, 813-814.	7.3	1

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127	The use of MRI in fetal conditions amenable for antenatal management. <i>Prenatal Diagnosis</i> , 2020, 40, 3-5.	2.3	1
128	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
129	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
130	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
131	Impact of childhood cerebellar tumor surgery on cognition revealed by precuneus hyperconnectivity. <i>Neuro-Oncology Advances</i> , 2022, 4, vdac050.	0.7	1
132	The Skeleton and Musculature. <i>Medical Radiology</i> , 2010, , 235-246.	0.1	0
133	Acquired Brain Pathology. <i>Medical Radiology</i> , 2010, , 309-327.	0.1	0
134	<i>Reply:</i>. <i>American Journal of Neuroradiology</i> , 2020, 41, E47-E48.	2.4	0
135	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
136	Imaging 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
137	Imaging visuospatial memory in temporal lobe epilepsyâ€”Results of an fMRI study. <i>PLoS ONE</i> , 2022, 17, e0264349.	2.5	0
138	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