

Gregor J Kasprian

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

195
papers

3,229
citations

29
h-index

50
g-index

258
ext. papers

4,027
ext. citations

4
avg, IF

5.16
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 195 | Collaborative European NeuroTrauma Effectiveness Research in Traumatic Brain Injury (CENTER-TBI): a prospective longitudinal observational study. <i>Neurosurgery</i> , 2015 , 76, 67-80 | 3.2 | 276 |
| 194 | In utero tractography of fetal white matter development. <i>NeuroImage</i> , 2008 , 43, 213-24 | 7.9 | 178 |
| 193 | MRI of normal fetal brain development. <i>European Journal of Radiology</i> , 2006 , 57, 199-216 | 4.7 | 168 |
| 192 | The prenatal origin of hemispheric asymmetry: an in utero neuroimaging study. <i>Cerebral Cortex</i> , 2011 , 21, 1076-83 | 5.1 | 124 |
| 191 | MRI of normal and pathological fetal lung development. <i>European Journal of Radiology</i> , 2006 , 57, 261-70 | 4.7 | 100 |
| 190 | Watching the fetal brain at rest. <i>International Journal of Developmental Neuroscience</i> , 2012 , 30, 11-7 | 2.7 | 89 |
| 189 | MBCL-28. PREDISPOSITION OF WNT-ACTIVATED MEDULLOBLASTOMA FOR PRIMARY INTRATUMORAL HEMORRHAGE. <i>Neuro-Oncology</i> , 2018 , 20, i122-i122 | 1 | 78 |
| 188 | NSRG-19. CSF DISTURBANCES AFTER TRANSCALLOSAL RESECTION: ARE THERE PREDICTING FACTORS?. <i>Neuro-Oncology</i> , 2018 , 20, i149-i149 | 1 | 78 |
| 187 | NSRG-20. LONG-TERM SUPRATENTORIAL WHITE MATTER CHANGES AND COGNITIVE FUNCTION FOLLOWING CEREBELLAR TUMOUR RESECTIONS IN CHILDHOOD. <i>Neuro-Oncology</i> , 2018 , 20, i149-i149 | 1 | 78 |
| 186 | Fetal functional imaging portrays heterogeneous development of emerging human brain networks. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 852 | 3.3 | 77 |
| 185 | Placental pathologies in fetal MRI with pathohistological correlation. <i>Placenta</i> , 2009 , 30, 555-9 | 3.4 | 61 |
| 184 | 3T MR tomography of the brachial plexus: structural and microstructural evaluation. <i>European Journal of Radiology</i> , 2012 , 81, 2231-45 | 4.7 | 51 |
| 183 | Disrupted developmental organization of the structural connectome in fetuses with corpus callosum agenesis. <i>NeuroImage</i> , 2015 , 111, 277-88 | 7.9 | 50 |
| 182 | Normal renal development investigated with fetal MRI. <i>European Journal of Radiology</i> , 2006 , 57, 294-302 | 4.7 | 49 |
| 181 | In vivo tractography of fetal association fibers. <i>PLoS ONE</i> , 2015 , 10, e0119536 | 3.7 | 49 |
| 180 | Fetal MRI detects early alterations of brain development in Tetralogy of Fallot. <i>American Journal of Obstetrics and Gynecology</i> , 2015 , 213, 392.e1-7 | 6.4 | 47 |
| 179 | Disruption of nigrostriatal and cerebellothalamic pathways in dopamine responsive Holmes-S tremer. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2009 , 80, 921-3 | 5.5 | 47 |

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| 178 | Assessing prenatal white matter connectivity in commissural agenesis. <i>Brain</i> , 2013 , 136, 168-79 | 11.2 | 45 |
| 177 | MRI of fetal acquired brain lesions. <i>European Journal of Radiology</i> , 2006 , 57, 233-49 | 4.7 | 45 |
| 176 | Epilepsy surgery in children and adolescents with malformations of cortical development--outcome and impact of the new ILAE classification on focal cortical dysplasia. <i>Epilepsy Research</i> , 2014 , 108, 1652-61 | 3.1 | 44 |
| 175 | Efficacy and safety of Everolimus in children with TSC - associated epilepsy - Pilot data from an open single-center prospective study. <i>Orphanet Journal of Rare Diseases</i> , 2016 , 11, 145 | 4.2 | 38 |
| 174 | MR neurography of ulnar nerve entrapment at the cubital tunnel: a diffusion tensor imaging study. <i>European Radiology</i> , 2015 , 25, 1911-8 | 8 | 37 |
| 173 | Long-term evolution of multiple sclerosis iron rim lesions in 7 T MRI. <i>Brain</i> , 2021 , 144, 833-847 | 11.2 | 37 |
| 172 | A spatio-temporal latent atlas for semi-supervised learning of fetal brain segmentations and morphological age estimation. <i>Medical Image Analysis</i> , 2014 , 18, 9-21 | 15.4 | 36 |
| 171 | Fetal MRI at 3T-ready for routine use?. <i>British Journal of Radiology</i> , 2017 , 90, 20160362 | 3.4 | 35 |
| 170 | Prediction of Outcome in Neonates with Hypoxic-Ischemic Encephalopathy II: Role of Amplitude-Integrated Electroencephalography and Cerebral Oxygen Saturation Measured by Near-Infrared Spectroscopy. <i>Neonatology</i> , 2017 , 112, 193-202 | 4 | 32 |
| 169 | The influence of brain iron on myelin water imaging. <i>NeuroImage</i> , 2019 , 199, 545-552 | 7.9 | 31 |
| 168 | Magnetic resonance methods in fetal neurology. <i>Seminars in Fetal and Neonatal Medicine</i> , 2012 , 17, 278-347 | 3.4 | 30 |
| 167 | Assessment of lung development in isolated congenital diaphragmatic hernia using signal intensity ratios on fetal MR imaging. <i>European Radiology</i> , 2010 , 20, 829-37 | 8 | 30 |
| 166 | Acute radial nerve entrapment at the spiral groove: detection by DTI-based neurography. <i>European Radiology</i> , 2015 , 25, 1678-83 | 8 | 29 |
| 165 | Neuroimaging of classic neuralgic amyotrophy. <i>Muscle and Nerve</i> , 2016 , 54, 1079-1085 | 3.4 | 29 |
| 164 | Fetal diffusion imaging: pearls and solutions. <i>Topics in Magnetic Resonance Imaging</i> , 2010 , 21, 387-94 | 2.3 | 28 |
| 163 | Diffusion-weighted MR imaging of the normal fetal lung. <i>European Radiology</i> , 2008 , 18, 700-6 | 8 | 28 |
| 162 | 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 | 3.6 | 26 |
| 161 | MRI investigation of normal fetal lung maturation using signal intensities on different imaging sequences. <i>European Radiology</i> , 2007 , 17, 835-42 | 8 | 26 |

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|-----|--|------|----|
| 160 | Susceptibility-sensitive MRI of multiple sclerosis lesions and the impact of normal-appearing white matter changes. <i>NMR in Biomedicine</i> , 2017 , 30, e3727 | 4.4 | 25 |
| 159 | Peripheral nerve tractography in soft tissue tumors: a preliminary 3-tesla diffusion tensor magnetic resonance imaging study. <i>Muscle and Nerve</i> , 2015 , 51, 338-45 | 3.4 | 25 |
| 158 | MRI of the Fetal Brain. <i>Clinical Neuroradiology</i> , 2015 , 25 Suppl 2, 189-96 | 2.7 | 25 |
| 157 | Magnetic resonance imaging of the placenta identifies placental vascular abnormalities independently of Doppler ultrasound. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011 , 37, 717-22 | 5.8 | 25 |
| 156 | Fetal/Neonatal Thyrotoxicosis in a Newborn From a Hypothyroid Woman With Hashimoto Thyroiditis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 6-9 | 5.6 | 23 |
| 155 | Brain tumor surgery with 3-dimensional surface navigation. <i>Operative Neurosurgery</i> , 2012 , 71, ons286-94; discussion ons294-5 | 1.6 | 22 |
| 154 | Monitoring of plexiform neurofibroma in children and adolescents with neurofibromatosis type 1 by [F]FDG-PET imaging. Is it of value in asymptomatic patients?. <i>Pediatric Blood and Cancer</i> , 2018 , 65, e26733 | 3 | 22 |
| 153 | Fetal akinesia and associated abnormalities on prenatal MRI. <i>Prenatal Diagnosis</i> , 2011 , 31, 484-90 | 3.2 | 21 |
| 152 | Arterial spin-labeling assessment of normalized vascular intratumoral signal intensity as a predictor of histologic grade of astrocytic neoplasms. <i>American Journal of Neuroradiology</i> , 2014 , 35, 482-9 | 4.4 | 20 |
| 151 | Three-dimensional visualization of fetal white-matter pathways in utero. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011 , 37, 252-3 | 5.8 | 20 |
| 150 | The current state and future of fetal imaging. <i>Clinics in Perinatology</i> , 2009 , 36, 685-99 | 2.8 | 20 |
| 149 | Type 1 diabetes and epilepsy: efficacy and safety of the ketogenic diet. <i>Epilepsia</i> , 2010 , 51, 1086-9 | 6.4 | 20 |
| 148 | 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 | 8 | 19 |
| 147 | Echo-planar FLAIR Sequence Improves Subplate Visualization in Fetal MRI of the Brain. <i>Radiology</i> , 2019 , 292, 159-169 | 20.5 | 18 |
| 146 | A systematic investigation of the invariance of resting-state network patterns: is resting-state fMRI ready for pre-surgical planning?. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 95 | 3.3 | 18 |
| 145 | Diagnostic pitfalls in fetal brain MRI. <i>Seminars in Perinatology</i> , 2009 , 33, 251-8 | 3.3 | 18 |
| 144 | Mirror therapy in lower limb amputees--a look beyond primary motor cortex reorganization. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2011 , 183, 1051-7 | 2.3 | 18 |
| 143 | Prenatal imaging of occipital encephaloceles. <i>Fetal Diagnosis and Therapy</i> , 2015 , 37, 241-8 | 2.4 | 17 |

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| 142 | Forebrain development in fetal MRI: evaluation of anatomical landmarks before gestational week 27. <i>Neuroradiology</i> , 2010 , 52, 495-504 | 3.2 | 17 |
| 141 | Fetal ocular measurements by MRI. <i>Prenatal Diagnosis</i> , 2010 , 30, 1064-71 | 3.2 | 17 |
| 140 | Aberrant gut-microbiota-immune-brain axis development in premature neonates with brain damage. <i>Cell Host and Microbe</i> , 2021 , 29, 1558-1572.e6 | 23.4 | 17 |
| 139 | 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 | 2.8 | 16 |
| 138 | Intramuscular distribution of botulinum toxin--visualized by MRI. <i>Journal of the Neurological Sciences</i> , 2014 , 344, 76-9 | 3.2 | 16 |
| 137 | Fetal Cerebral Magnetic Resonance Imaging Beyond Morphology. <i>Seminars in Ultrasound, CT and MRI</i> , 2015 , 36, 465-75 | 1.7 | 16 |
| 136 | MR-based morphometry of the posterior fossa in fetuses with neural tube defects of the spine. <i>PLoS ONE</i> , 2014 , 9, e112585 | 3.7 | 16 |
| 135 | Situs anomalies on prenatal MRI. <i>European Journal of Radiology</i> , 2012 , 81, e495-501 | 4.7 | 16 |
| 134 | MRI of the placenta - a short review. <i>Wiener Medizinische Wochenschrift</i> , 2012 , 162, 225-8 | 2.9 | 16 |
| 133 | Mesial temporal lobe epilepsy: long-term seizure outcome of patients primarily treated with transsylvian selective amygdalohippocampectomy. <i>Journal of Neurosurgery</i> , 2018 , 129, 174-181 | 3.2 | 15 |
| 132 | Diffusion tensor tractography for the surgical management of peripheral nerve sheath tumors. <i>Neurosurgical Focus</i> , 2015 , 39, E17 | 4.2 | 15 |
| 131 | Abnormalities of the upper extremities on fetal magnetic resonance imaging. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011 , 38, 559-67 | 5.8 | 15 |
| 130 | Weaker semantic language lateralization associated with better semantic language performance in healthy right-handed children. <i>Brain and Behavior</i> , 2018 , 8, e01072 | 3.4 | 14 |
| 129 | Fetal diffusion tensor quantification of brainstem pathology in Chiari II malformation. <i>European Radiology</i> , 2016 , 26, 1274-83 | 8 | 13 |
| 128 | Risk of inferior vena cava compression syndrome during fetal MRI in the supine position - a retrospective analysis. <i>Journal of Perinatal Medicine</i> , 2014 , 42, 301-6 | 2.7 | 13 |
| 127 | Male sexual development in utero: testicular descent on prenatal magnetic resonance imaging. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011 , 38, 688-94 | 5.8 | 13 |
| 126 | Giant solid-cystic hypothalamic hamartoma. Case report. <i>Neurosurgical Focus</i> , 2011 , 30, E7 | 4.2 | 13 |
| 125 | The relationship between eye movement and vision develops before birth. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 775 | 3.3 | 12 |

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| 124 | Human long bone development in vivo: analysis of the distal femoral epimetaphysis on MR images of fetuses. <i>Radiology</i> , 2013 , 267, 570-80 | 20.5 | 12 |
| 123 | Utility of Absolute Quantification in Non-lesional Extratemporal Lobe Epilepsy Using FDG PET/MR Imaging. <i>Frontiers in Neurology</i> , 2020 , 11, 54 | 4.1 | 11 |
| 122 | Tumor disease and associated congenital abnormalities on prenatal MRI. <i>European Journal of Radiology</i> , 2012 , 81, e115-22 | 4.7 | 11 |
| 121 | Abnormalities of the penis in utero--hypospadias on fetal MRI. <i>Journal of Perinatal Medicine</i> , 2011 , 39, 451-6 | 2.7 | 11 |
| 120 | Toxicity and efficacy of Gamma Knife radiosurgery for brain metastases in melanoma patients treated with immunotherapy or targeted therapy-A retrospective cohort study. <i>Cancer Medicine</i> , 2020 , 9, 4026-4036 | 4.8 | 11 |
| 119 | Atypical language representation is unfavorable for language abilities following childhood stroke. <i>European Journal of Paediatric Neurology</i> , 2019 , 23, 102-116 | 3.8 | 10 |
| 118 | Three-dimensional reconstruction of defects in congenital diaphragmatic hernia: a fetal MRI study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019 , 53, 816-826 | 5.8 | 9 |
| 117 | Diagnostic exome sequencing in non-acquired focal epilepsies highlights a major role of GATOR1 complex genes. <i>Journal of Medical Genetics</i> , 2020 , 57, 624-633 | 5.8 | 9 |
| 116 | SyMRI detects delayed myelination in preterm neonates. <i>European Radiology</i> , 2019 , 29, 7063-7072 | 8 | 9 |
| 115 | Mens inversus in corpore inverso? Language lateralization in a boy with situs inversus totalis. <i>Brain and Language</i> , 2017 , 174, 9-15 | 2.9 | 9 |
| 114 | Visualization of resting-state networks in utero. <i>Ultrasound in Obstetrics and Gynecology</i> , 2012 , 39, 487-85.8 | | 9 |
| 113 | Clubfeet and associated abnormalities on fetal magnetic resonance imaging. <i>Prenatal Diagnosis</i> , 2012 , 32, 822-8 | 3.2 | 9 |
| 112 | Female external genitalia on fetal magnetic resonance imaging. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011 , 38, 695-700 | 5.8 | 8 |
| 111 | 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 | 7.9 | 7 |
| 110 | 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 | 2.9 | 7 |
| 109 | Visualisation of treatment response in a case of cerebrotendinous xanthomatosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011 , 82, 703-4 | 5.5 | 7 |
| 108 | Underdevelopment of the Human Hippocampus in Callosal Agenesis: An In Vivo Fetal MRI Study. <i>American Journal of Neuroradiology</i> , 2019 , 40, 576-581 | 4.4 | 6 |
| 107 | Childhood onset temporal lobe epilepsy: Beyond hippocampal sclerosis. <i>European Journal of Paediatric Neurology</i> , 2016 , 20, 228-235 | 3.8 | 6 |

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| 106 | Alterations in GABAA Receptor Subunit Expression in the Amygdala and Entorhinal Cortex in Human Temporal Lobe Epilepsy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2019 , 78, 1022-1048 | 3.1 | 6 |
| 105 | Nerve compression and pain in human volunteers with narrow vs wide tourniquets. <i>World Journal of Orthopedics</i> , 2015 , 6, 394-9 | 2.2 | 6 |
| 104 | Effect of antenatal corticosteroid treatment on the fetal lung: a magnetic resonance imaging study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011 , 38, 94-8 | 5.8 | 6 |
| 103 | Neuronal correlates of cognitive function in patients with childhood cerebellar tumor lesions. <i>PLoS ONE</i> , 2017 , 12, e0180200 | 3.7 | 6 |
| 102 | Distributed changes of the functional connectome in patients with glioblastoma. <i>Scientific Reports</i> , 2020 , 10, 18312 | 4.9 | 6 |
| 101 | The role of the corpus callosum in language network connectivity in children. <i>Developmental Science</i> , 2021 , 24, e13031 | 4.5 | 6 |
| 100 | Prenatal assessment of cerebellar vermian lobulation: fetal MRI with 3-Tesla postmortem validation. <i>Ultrasound in Obstetrics and Gynecology</i> , 2018 , 52, 623-630 | 5.8 | 6 |
| 99 | Improved neurodevelopmental prognostication in isolated corpus callosal agenesis: fetal magnetic resonance imaging-based scoring system. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021 , 58, 34-41 | 5.8 | 5 |
| 98 | 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, 606-12 | 2.2 | 5 |
| 97 | Fetal MRI for prediction of neonatal mortality following preterm premature rupture of the fetal membranes. <i>Pediatric Radiology</i> , 2011 , 41, 1416-20 | 2.8 | 5 |
| 96 | Lesion-Specific Language Network Alterations in Temporal Lobe Epilepsy. <i>American Journal of Neuroradiology</i> , 2020 , 41, 147-154 | 4.4 | 5 |
| 95 | Quantitative fetal magnetic resonance imaging assessment of cystic posterior fossa malformations. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020 , 56, 78-85 | 5.8 | 5 |
| 94 | Two Cases of Pediatric AQP4-Antibody Positive Neuromyelitis Optica Spectrum Disorder Successfully Treated with Tocilizumab. <i>Neuropediatrics</i> , 2019 , 50, 193-196 | 1.6 | 4 |
| 93 | 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 | 5.1 | 4 |
| 92 | Voxel-Based Morphometry-From Hype to Hope. A Study on Hippocampal Atrophy in Mesial Temporal Lobe Epilepsy. <i>American Journal of Neuroradiology</i> , 2020 , 41, 987-993 | 4.4 | 4 |
| 91 | Assessing Corticospinal Tract Asymmetry in Unilateral Polymicrogyria. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1530-1535 | 4.4 | 4 |
| 90 | 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, 3754-3767 | 4.4 | 4 |
| 89 | MRI negative meningeal myeloma with abducens nerve palsies responding to intrathecal chemotherapy. <i>Journal of the Neurological Sciences</i> , 2014 , 347, 359-60 | 3.2 | 4 |

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| 88 | Fetal cardiac disease and fetal lung volume: an in utero MRI investigation. <i>Prenatal Diagnosis</i> , 2014 , 34, 273-8 | 3.2 | 4 |
| 87 | Functional imaging in the fetus. <i>Topics in Magnetic Resonance Imaging</i> , 2011 , 22, 113-8 | 2.3 | 4 |
| 86 | Normal human brainstem development in vivo: a quantitative fetal MRI study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021 , 58, 254-263 | 5.8 | 4 |
| 85 | Presurgical evaluation of pediatric epilepsy patients prior to hemispherotomy: the prognostic value of F-FDG PET. <i>Journal of Neurosurgery: Pediatrics</i> , 2016 , 25, 683-688 | 2.1 | 4 |
| 84 | Infiltrative gliomas of the thalamus in children: the role of surgery in the era of H3 K27M mutant midline gliomas. <i>Acta Neurochirurgica</i> , 2021 , 163, 2025-2035 | 3 | 4 |
| 83 | Iodinated contrast agents in patients with myasthenia gravis: a retrospective cohort study. <i>Journal of Neurology</i> , 2017 , 264, 1209-1217 | 5.5 | 3 |
| 82 | Validity of SyMRI for Assessment of the Neonatal Brain. <i>Clinical Neuroradiology</i> , 2021 , 31, 315-323 | 2.7 | 3 |
| 81 | Different information by MRI compare to ultrasound in fetal intracranial space occupying lesions. <i>Childs Nervous System</i> , 2017 , 33, 2129-2136 | 1.7 | 3 |
| 80 | Abnormal Extracardiac Development in Fetuses With Congenital Heart Disease. <i>Journal of the American College of Cardiology</i> , 2021 , 78, 2312-2322 | 15.1 | 3 |
| 79 | Modeling Fetal Cortical Expansion Using Graph-Regularized Gompertz Models. <i>Lecture Notes in Computer Science</i> , 2016 , 247-254 | 0.9 | 3 |
| 78 | Language network reorganization before and after temporal lobe epilepsy surgery. <i>Journal of Neurosurgery</i> , 2020 , 134, 1694-1702 | 3.2 | 3 |
| 77 | 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 | 2 | 3 |
| 76 | Reference charts of fetal brain structures for magnetic resonance imaging: a systematic review. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021 , | 5.8 | 3 |
| 75 | Effect of corpus callosum agenesis on the language network in children and adolescents. <i>Brain Structure and Function</i> , 2021 , 226, 701-713 | 4 | 3 |
| 74 | Advanced fetal MRI: Diffusion tensor imaging, spectroscopy, dynamic MRI, resting-state functional MRI. <i>Journal of Pediatric Neuroradiology</i> , 2015 , 01, 225-251 | | 2 |
| 73 | Signal intensity changes of the fetal liver on MRI in-phase and out-of-phase sequence. <i>Prenatal Diagnosis</i> , 2013 , 33, 313-7 | 3.2 | 2 |
| 72 | Maternal smoking and fetal lung volume-an in utero MRI investigation. <i>Prenatal Diagnosis</i> , 2011 , 31, 491-52 | 3.5 | 2 |
| 71 | Atlas learning in fetal brain development. <i>Topics in Magnetic Resonance Imaging</i> , 2011 , 22, 107-11 | 2.3 | 2 |

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|----|--|-----|---|
| 70 | Magnetic resonance imaging of normal fetal brain development. <i>Clinical Imaging</i> , 2006 , 30, 299 | 2.7 | 2 |
| 69 | Fetal eye movements on magnetic resonance imaging. <i>PLoS ONE</i> , 2013 , 8, e77439 | 3.7 | 2 |
| 68 | Quantifying Residual Motion Artifacts in Fetal fMRI Data. <i>Lecture Notes in Computer Science</i> , 2019 , 171-180 | | 2 |
| 67 | Development of a 3D printed patient-specific neonatal brain simulation model using multimodality imaging for perioperative management. <i>Pediatric Research</i> , 2021 , | 3.2 | 2 |
| 66 | 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 | 5.1 | 2 |
| 65 | Longitudinal Reference Values for Cerebral Ventricular Size in Preterm Infants Born at 23-27 Weeks of Gestation. <i>Journal of Pediatrics</i> , 2021 , 238, 110-117.e2 | 3.6 | 2 |
| 64 | Myelomeningocele-Chiari II malformation-Neurological predictability based on fetal and postnatal magnetic resonance imaging. <i>Prenatal Diagnosis</i> , 2021 , 41, 922-932 | 3.2 | 2 |
| 63 | Automated volumetry of hippocampal subfields in temporal lobe epilepsy. <i>Epilepsy Research</i> , 2021 , 175, 106692 | 3 | 2 |
| 62 | Predisposition of Wingless Subgroup Medulloblastoma for Primary Tumor Hemorrhage. <i>Neurosurgery</i> , 2020 , 86, 478-484 | 3.2 | 1 |
| 61 | 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 | 3.8 | 1 |
| 60 | 3-Tesla MRI-assisted detection of compression points in ulnar neuropathy at the elbow in correlation with intraoperative findings. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2018 , 71, 1004-1009 | 1.7 | 1 |
| 59 | PO-0392 Laterality Of Intraventricular Haemorrhage Influences Neurodevelopmental Outcome In Preterm Infants. <i>Archives of Disease in Childhood</i> , 2014 , 99, A374.1-A374 | 2.2 | 1 |
| 58 | Spatial Mapping of Translational Diffusion Coefficients Using Diffusion Tensor Imaging: A Mathematical Description. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2014 , 43, 1-27 | 0.6 | 1 |
| 57 | OP14.07: Potential prognostic parameters of the Chiari II malformation. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011 , 38, 96-96 | 5.8 | 1 |
| 56 | Cerebral Malformations. <i>Medical Radiology</i> , 2010 , 287-308 | 0.2 | 1 |
| 55 | P15.14: Measurements of the posterior fossa on fetal MRI in open and closed neural tube defects. <i>Ultrasound in Obstetrics and Gynecology</i> , 2010 , 36, 226-227 | 5.8 | 1 |
| 54 | The pediatric posterior fossa: fetal MRI. <i>Neuroradiology Journal</i> , 2007 , 20, 403-9 | 2 | 1 |
| 53 | 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> , 2021 , | 3.3 | 1 |

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|----|---|------|---|
| 52 | Reproducibility of Functional Connectivity Estimates in Motion Corrected Fetal fMRI. <i>Lecture Notes in Computer Science</i> , 2019 , 123-132 | 0.9 | 1 |
| 51 | 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 | 4.4 | 1 |
| 50 | The Prenatal Morphomechanic Impact of Agenesis of the Corpus Callosum on Human Brain Structure and Asymmetry. <i>Cerebral Cortex</i> , 2021 , 31, 4024-4037 | 5.1 | 1 |
| 49 | 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 | 4.4 | 1 |
| 48 | Simpson-Golabi-Behmel-Syndrome in Dichorionic-Diamniotic Twin Pregnancy. <i>Clinics and Practice</i> , 2021 , 11, 75-80 | 2.4 | 1 |
| 47 | 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 | 4.3 | 1 |
| 46 | . <i>American Journal of Neuroradiology</i> , 2018 , 39, E124 | 4.4 | 1 |
| 45 | Characterization of the Hyperintense Bronchus Sign as a Fetal MRI Marker of Airway Obstruction. <i>Radiology</i> , 2021 , 300, 423-430 | 20.5 | 1 |
| 44 | Mapping Human Fetal Brain Maturation In Vivo Using Quantitative MRI. <i>American Journal of Neuroradiology</i> , 2021 , 42, 2086-2093 | 4.4 | 1 |
| 43 | Brainstem and cerebellar volumes at MRI are smaller in fetuses with congenital heart disease.. <i>American Journal of Obstetrics and Gynecology</i> , 2022 , | 6.4 | 1 |
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