

Catherine Garel

List of Publications by Year in descending order

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76
papers

4,122
citations

126907

33
h-index

118850

62
g-index

81
all docs

81
docs citations

81
times ranked

4494
citing authors

#	ARTICLE	IF	CITATIONS
1	Association between Zika virus and microcephaly in French Polynesia, 2013-15: a retrospective study. <i>Lancet, The</i> , 2016, 387, 2125-2132.	13.7	793
2	Fetal cerebral cortex: normal gestational landmarks identified using prenatal MR imaging. <i>American Journal of Neuroradiology</i> , 2001, 22, 184-9.	2.4	197
3	Congenital cerebral malformations and dysfunction in fetuses and newborns following the 2013 to 2014 Zika virus epidemic in French Polynesia. <i>Eurosurveillance</i> , 2016, 21, .	7.0	170
4	Fetal MRI: normal gestational landmarks for cerebral biometry, gyration and myelination. <i>Child's Nervous System</i> , 2003, 19, 422-425.	1.1	146
5	Prenatal isolated mild ventriculomegaly: outcome in 167 cases. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2006, 113, 1072-1079.	2.3	141
6	Cerebral biometry in fetal magnetic resonance imaging: new reference data. <i>Ultrasound in Obstetrics and Gynecology</i> , 2009, 33, 173-181.	1.7	139
7	Magnetic resonance imaging of the fetus. <i>Pediatric Radiology</i> , 1998, 28, 201-211.	2.0	129
8	Thyroid Developmental Anomalies in First Degree Relatives of Children with Congenital Hypothyroidism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002, 87, 575-580.	3.6	123
9	Microstructural development of human brain assessed in utero by diffusion tensor imaging. <i>Pediatric Radiology</i> , 2006, 36, 1133-1140.	2.0	119
10	MRI of the Fetal Brain. , 2004, , .		110
11	Postnatal clinical and imaging follow-up of infants with prenatal isolated mild ventriculomegaly: a series of 101 cases. <i>Pediatric Radiology</i> , 2007, 37, 981-989.	2.0	105
12	Third-trimester fetal MRI in isolated 10- to 12-mm ventriculomegaly: is it worth it?. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2006, 113, 942-947.	2.3	91
13	Biometry of the Corpus Callosum in Children: MR Imaging Reference Data. <i>American Journal of Neuroradiology</i> , 2011, 32, 1436-1443.	2.4	79
14	Fetal cerebral biometry: normal parenchymal findings and ventricular size. <i>European Radiology</i> , 2005, 15, 809-813.	4.5	76
15	The Fetal Cerebellum. <i>Journal of Child Neurology</i> , 2011, 26, 1483-1492.	1.4	75
16	Systematic review and meta-analysis of isolated posterior fossa malformations on prenatal ultrasound imaging (part 1): nomenclature, diagnostic accuracy and associated anomalies. <i>Ultrasound in Obstetrics and Gynecology</i> , 2016, 47, 690-697.	1.7	71
17	Thyroid abnormalities by ultrasonography in neonates with congenital hypothyroidism. <i>Journal of Pediatrics</i> , 2003, 143, 759-764.	1.8	70
18	Dural sinus malformation (DSM) in fetuses. Diagnostic value of prenatal MRI and follow-up. <i>European Radiology</i> , 2008, 18, 692-699.	4.5	65

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19	Ventricular dilatations. <i>Child's Nervous System</i> , 2003, 19, 517-523.	1.1	64
20	The role of MRI in the evaluation of the fetal brain with an emphasis on biometry, gyration and parenchyma. <i>Pediatric Radiology</i> , 2004, 34, 694-9.	2.0	64
21	New advances in fetal MR neuroimaging. <i>Pediatric Radiology</i> , 2006, 36, 621-625.	2.0	64
22	Prenatal brain MRI of fetuses with Zika virus infection. <i>Pediatric Radiology</i> , 2016, 46, 1032-1039.	2.0	63
23	Contribution of fetal magnetic resonance imaging and amniotic fluid digestive enzyme assays to the evaluation of gastrointestinal tract abnormalities. <i>Ultrasound in Obstetrics and Gynecology</i> , 2006, 28, 282-291.	1.7	62
24	Coronal measurement of the fetal lateral ventricles: comparison between ultrasonography and magnetic resonance imaging. <i>Ultrasound in Obstetrics and Gynecology</i> , 2005, 27, 23-27.	1.7	59
25	Contribution of fetal MR imaging in the evaluation of cerebral ischemic lesions. <i>American Journal of Neuroradiology</i> , 2004, 25, 1563-8.	2.4	59
26	Systematic review and meta-analysis of isolated posterior fossa malformations on prenatal imaging (part 2): neurodevelopmental outcome. <i>Ultrasound in Obstetrics and Gynecology</i> , 2016, 48, 28-37.	1.7	57
27	Prenatal unilateral cerebellar hypoplasia in a series of 26 cases: significance and implications for prenatal diagnosis. <i>Ultrasound in Obstetrics and Gynecology</i> , 2014, 44, 447-454.	1.7	50
28	Magnetic resonance imaging examination of the fetal brain. <i>Ultrasound in Obstetrics and Gynecology</i> , 2007, 30, 1019-1032.	1.7	48
29	Fetal cerebral imaging "ultrasound vs. MRI: an update. <i>Acta Radiologica</i> , 2013, 54, 1046-1054.	1.1	48
30	MRI of the olfactory bulbs and sulci in human fetuses. <i>Pediatric Radiology</i> , 2006, 36, 97-107.	2.0	42
31	Posterior fossa malformations: main features and limits in prenatal diagnosis. <i>Pediatric Radiology</i> , 2010, 40, 1038-1045.	2.0	40
32	Ultrasonographic assessment of the ectopic thyroid tissue in children with congenital hypothyroidism. <i>Pediatric Radiology</i> , 2004, 34, 109-113.	2.0	39
33	Abnormal shape of the cavum septi pellucidi: an indirect sign of partial agenesis of the corpus callosum. <i>Ultrasound in Obstetrics and Gynecology</i> , 2015, 46, 595-599.	1.7	38
34	Prenatal diagnosis of spinal dysraphism. <i>Child's Nervous System</i> , 2013, 29, 1541-1552.	1.1	35
35	Fetal MRI: what is the future?. <i>Ultrasound in Obstetrics and Gynecology</i> , 2008, 31, 123-128.	1.7	34
36	Comparison between magnetic resonance imaging and fetopathology in the evaluation of fetal posterior fossa non-cystic abnormalities. <i>Ultrasound in Obstetrics and Gynecology</i> , 2007, 29, 651-659.	1.7	33

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37	Main Congenital Cerebral Anomalies: How Prenatal Imaging Aids Counseling. <i>Fetal Diagnosis and Therapy</i> , 2014, 35, 229-239.	1.4	30
38	Periventricular nodular heterotopia on prenatal ultrasound and magnetic resonance imaging. <i>Ultrasound in Obstetrics and Gynecology</i> , 2013, 42, 149-155.	1.7	29
39	Prenatal features of isolated subependymal pseudocysts associated with adverse pregnancy outcome. <i>Ultrasound in Obstetrics and Gynecology</i> , 2015, 46, 678-687.	1.7	29
40	Imaging the fetus: when does MRI really help?. <i>Pediatric Radiology</i> , 2008, 38, 467-470.	2.0	26
41	Prenatal US evaluation of the spinal cord using high-frequency linear transducers. <i>Pediatric Radiology</i> , 2011, 41, 374-383.	2.0	26
42	Correlation between pre- and postnatal cerebral magnetic resonance imaging. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011, 38, 170-178.	1.7	25
43	Limited Dorsal Myeloschisis: A Diagnostic Pitfall in the Prenatal Ultrasound of Fetal Dysraphism. <i>Fetal Diagnosis and Therapy</i> , 2017, 41, 136-144.	1.4	25
44	Brachytelephalangic chondrodysplasia punctata with severe spinal cord compression: report of four new cases. <i>European Journal of Pediatrics</i> , 2007, 166, 327-331.	2.7	23
45	Prenatal ultrasonographic diagnosis of polymicrogyria. <i>Ultrasound in Obstetrics and Gynecology</i> , 2008, 32, 951-954.	1.7	23
46	Contribution of fetal MRI to the diagnosis of inner ear abnormalities: report of two cases. <i>Pediatric Radiology</i> , 2006, 36, 149-154.	2.0	22
47	Prenatal diagnosis of capillary telangiectasia of the cerebellum-ultrasound and MRI features. <i>Prenatal Diagnosis</i> , 2003, 23, 791-796.	2.3	19
48	European overview of current practice of fetal imaging by pediatric radiologists: a new task force is launched. <i>Pediatric Radiology</i> , 2020, 50, 1794-1798.	2.0	19
49	Additional Phenotypic Abnormalities with Presence of Cysts within the Empty Thyroid Area in Patients with Congenital Hypothyroidism with Thyroid Dysgenesis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 1212-1216.	3.6	18
50	The cerebellar "tilted telephone receiver" sign enables prenatal diagnosis of PHACES syndrome. <i>European Journal of Paediatric Neurology</i> , 2018, 22, 900-909.	1.6	15
51	Prenatal evaluation of the middle ear and diagnosis of middle ear hypoplasia using MRI. <i>Pediatric Radiology</i> , 2011, 41, 652-657.	2.0	14
52	Fetal Brain Injury Associated with Parvovirus B19 Congenital Infection Requiring Intrauterine Transfusion. <i>Fetal Diagnosis and Therapy</i> , 2019, 46, 1-11.	1.4	14
53	Prenatal diagnosis of brachytelephalangic chondrodysplasia punctata: case report. <i>Ultrasound in Obstetrics and Gynecology</i> , 2009, 34, 724-726.	1.7	13
54	Developmental patterns of fetal fat and corresponding signal on T1-weighted magnetic resonance imaging. <i>Pediatric Radiology</i> , 2018, 48, 317-324.	2.0	13

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55	New insights in cerebral findings associated with fetal myelomeningocele: a retrospective cohort study in a single tertiary centre. BJOG: an International Journal of Obstetrics and Gynaecology, 2021, 128, 376-383.	2.3	13
56	Thyroid Imaging in Children. , 2007, 10, 43-61.		12
57	Variability of T1-weighted signal intensity of pericallosal lipomas in the fetus. Pediatric Radiology, 2018, 48, 383-391.	2.0	11
58	Association of periventricular nodular heterotopia with posterior fossa cyst: a prenatal case series. Prenatal Diagnosis, 2015, 35, 337-341.	2.3	10
59	Ventricular Dilatation. , 2004, , 201-216.		10
60	Pathology of the Midline. , 2004, , 131-150.		8
61	AIRP Best Cases in Radiologic-Pathologic Correlation: Prenatal and Postmortem Imaging of a Complex Cloacal Malformation. Radiographics, 2014, 34, 2056-2063.	3.3	7
62	A new method for evaluating short fetal corpus callosum. Prenatal Diagnosis, 2019, 39, 1283-1290.	2.3	7
63	Indications for magnetic resonance imaging of the fetal central nervous system: recommendations from the European Society of Paediatric Radiology Fetal Task Force. Pediatric Radiology, 2021, 51, 2105-2114.	2.0	6
64	Variable prenatal presentation of Pfeiffer syndrome: Suggested aids to prenatal sonographic diagnosis. Prenatal Diagnosis, 2018, 38, 349-356.	2.3	4
65	Patterns of Detection of Fetal Posterior Fossa Anomalies: Analysis of 81 Cases in the Second Half of Gestation. Fetal Diagnosis and Therapy, 2018, 44, 247-255.	1.4	4
66	The Myelic Limited Dorsal Malformation: Prenatal Ultrasonographic Characteristics of an Intermediate Form of Dysraphism. Fetal Diagnosis and Therapy, 2021, 48, 690-700.	1.4	4
67	Contribution of computed tomography and magnetic resonance imaging in the analysis of fetal craniofacial malformations. Pediatric Radiology, 2021, 51, 1917-1928.	2.0	3
68	Prenatal diagnosis of metatropic dysplasia: beware of the pseudo-bowing sign. Pediatric Radiology, 2014, 44, 344-348.	2.0	2
69	Severe acute haemorrhagic liver failure in a neonate with a favourable spontaneous outcome. Pediatric Radiology, 2008, 38, 1130-1133.	2.0	0
70	Ãchographie de la thyroÃde de de l'Ãenfant. Archives De Pediatrie, 2011, 18, H33-H34.	1.0	0
71	MRI evaluation of the foetal bowel. Pediatric Radiology, 2011, 41, 83-84.	2.0	0
72	A challenging case of late-onset gastroschisis. Ultrasound in Obstetrics and Gynecology, 2012, 40, 610-611.	1.7	0

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73	Re: Assessment of fetal midbrain and hindbrain in mid-sagittal cranial plane by three-dimensional multiplanar sonography. <i>Ultrasound in Obstetrics and Gynecology</i> , 2014, 44, 501-502.	1.7	0
74	Re: Prenatal diagnosis of isolated butterfly vertebra. <i>Ultrasound in Obstetrics and Gynecology</i> , 2015, 45, 354-354.	1.7	0
75	Re: Bilateral periventricular nodular heterotopia detected on fetal and maternal MRI attributable to novel filamin A gene mutation. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019, 53, 555-556.	1.7	0
76	Syndrome de Pallister-Hall: À propos d'un cas. <i>Journal D'imagerie Diagnostique Et Interventionnelle</i> , 2022, , .	0.0	0