Francis Brunelle

List of Publications by Year
in descending order

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77 papers	5,399 citations	101543 36 h-index	82547 72 g-index
82 all docs	82 docs citations	82 times ranked	4739 citing authors

#	Article	IF	Citations
1	Arterial Spin Labeling for the Etiological Workup of Intracerebral Hemorrhage in Children. Stroke, 2022, 53, 185-193.	2.0	6
2	First Line Onyx Embolization in Ruptured Pediatric Arteriovenous Malformations. Clinical Neuroradiology, 2021, 31, 155-163.	1.9	5
3	Etiology of intracerebral hemorrhage in children: cohort study, systematic review, and meta-analysis. Journal of Neurosurgery: Pediatrics, 2021, 27, 357-363.	1.3	13
4	Acute surgical management of children with ruptured brain arteriovenous malformation. Journal of Neurosurgery: Pediatrics, 2021, 27, 437-445.	1.3	2
5	Pediatric brain arteriovenous malformation recurrence: a cohort study, systematic review and meta-analysis. Journal of NeuroInterventional Surgery, 2021, , neurintsurg-2021-017777.	3.3	10
6	Rest Functional Brain Maturation during the First Year of Life. Cerebral Cortex, 2021, 31, 1776-1785.	2.9	11
7	Hydrocephalus in children with ruptured cerebral arteriovenous malformation. Journal of Neurosurgery: Pediatrics, 2020, 26, 283-287.	1.3	2
8	Neural and behavioral signature of human social perception. Scientific Reports, 2019, 9, 9252.	3.3	8
9	Cerebral blood flow changes after radiation therapy identifies pseudoprogression in diffuse intrinsic pontine gliomas. Neuro-Oncology, 2018, 20, 994-1002.	1.2	21
10	Predictors of Outcome in Patients with Pediatric Intracerebral Hemorrhage: Development and Validation of a Modified Score. Radiology, 2018, 286, 651-658.	7.3	31
11	Impact of extra-axial cerebrospinal fluid collection in frontal morphology after surgical treatment of scaphocephaly. , 2018, 9, 215.		5
12	Multimodal Magnetic Resonance Imaging of Treatment-Induced Changes to Diffuse Infiltrating Pontine Gliomas in Children and Correlation to Patient Progression-Free Survival. International Journal of Radiation Oncology Biology Physics, 2017, 99, 476-485.	0.8	18
13	De novo mutations in CBL causing early-onset paediatric moyamoya angiopathy. Journal of Medical Genetics, 2017, 54, 550-557.	3.2	33
14	Magnetic resonance imaging arterialâ€spinâ€labelling perfusion alterations in childhood migraine with atypical aura: a caseâ€“control study. Developmental Medicine and Child Neurology, 2016, 58, 965-969.	2.1	26
15	Arterial spin labeling shows pre-epileptic tuber hyperperfusion in tuberous sclerosis complex. Neurology, 2016, 86, 1744-1745.	1.1	4
16	Arterial Spin Labeling to Predict Brain Tumor Grading in Children: Correlations between Histopathologic Vascular Density and Perfusion MR Imaging. Radiology, 2016, 281, 553-566.	7.3	82
17	Tuning Eye-Gaze Perception by Transitory STS Inhibition. Cerebral Cortex, 2016, 26, 2823-2831.	2.9	19
18	Unilateral coronal synostosis: can we trust the sagittal suture as a landmark for the underlying superior sagittal sinus?. Journal of Neurosurgery: Pediatrics, 2016, 17, 589-594.	1.3	5

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19	Skull Base Morphology in Fibroblast Growth Factor Receptor Type 2-Related Faciocraniosynostosis. Neurosurgery, 2015, 76, 571-583.	1.1	28
20	Arterial spin labeling magnetic resonance imaging: toward noninvasive diagnosis and follow-up of pediatric brain arteriovenous malformations. Journal of Neurosurgery: Pediatrics, 2015, 15, 451-458.	1.3	35
21	Arterial Spin Labeling MRI: A step forward in non-invasive delineation of focal cortical dysplasia in children. Epilepsy Research, 2014, 108, 1932-1939.	1.6	46
22	Long-Term Outcome of 106 Consecutive Pediatric Ruptured Brain Arteriovenous Malformations After Combined Treatment. Stroke, 2014, 45, 1664-1671.	2.0	86
23	Primary pulmonary alveolar proteinosis: computed tomography features at diagnosis. Pediatric Radiology, 2014, 44, 795-802.	2.0	3
24	Model-based iterative reconstruction in pediatric chest CT: assessment of image quality in a prospective study of children with cystic fibrosis. Pediatric Radiology, 2013, 43, 558-567.	2.0	75
25	Iterative reconstruction methods in two different MDCT scanners: Physical metrics and 4-alternative forced-choice detectability experiments â€“ A phantom approach. Physica Medica, 2013, 29, 99-110.	0.7	167
26	Imaging of vascular anomalies and malformations in children. Sang Thrombose Vaisseaux, 2013, 25, 10-18.	0.1	0
27	Interrelations humaines, cognition sociale et sillon temporal supÃ©rieur. Bulletin De L'Academie Nationale De Medecine, 2013, 197, 817-829.	0.0	2
28	Glucose Metabolism in 105 Children and Adolescents After Pancreatectomy for Congenital Hyperinsulinism. Diabetes Care, 2012, 35, 198-203.	8.6	121
29	The growth of the foramen magnum in Crouzon syndrome. Child's Nervous System, 2012, 28, 1525-1535.	1.1	28
30	Changes in intracranial CSF distribution after ETV. Child's Nervous System, 2012, 28, 997-1002.	1.1	15
31	Feature selection and classification of imbalanced datasets. NeuroImage, 2011, 57, 1003-1014.	4.2	54
32	Paediatric cardiac CT examinations: impact of the iterative reconstruction method ASIR on image quality â€“ preliminary findings. Pediatric Radiology, 2011, 41, 1154-1164.	2.0	65
33	Congenital hyperinsulinism: current trends in diagnosis and therapy. Orphanet Journal of Rare Diseases, 2011, 6, 63.	2.7	295
34	Post-operative cardiac lesions after cardiac surgery in childhood. Pediatric Radiology, 2010, 40, 885-894.	2.0	9
35	Congenital hyperinsulinism. Early Human Development, 2010, 86, 287-294.	1.8	105
36	Clinical features and management of arterial hypertension in children with Williams-Beuren syndrome. Nephrology Dialysis Transplantation, 2010, 25, 434-438.	0.7	41

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37	Potential benefit of the CT adaptive statistical iterative reconstruction method for pediatric cardiac diagnosis. Proceedings of SPIE, 2010, , .	0.8	5
38	MRI Findings in 77 Children with Non-Syndromic Autistic Disorder. PLoS ONE, 2009, 4, e4415.	2.5	100
39	Value of18Fâ€“fluoro-l-dopa PET in the Preoperative Localization of Focal Lesions in Congenital Hyperinsulinism. Radiology, 2009, 253, 216-222.	7.3	33
40	Non-invasive assessment of congenital pulmonary vein stenosis in children using cardiac-non-gated CT with 64-slice technology. European Journal of Radiology, 2009, 70, 595-599.	2.6	36
41	Autisme et imagerie cÃ©rÃ©brale. Bulletin De L'Academie Nationale De Medecine, 2009, 193, 287-298.	0.0	11
42	Safety and Accuracy of 64-Slice Computed Tomography Coronary Angiography in Children After the Arterial Switch Operation for Transposition of the Great Arteries. JACC: Cardiovascular Imaging, 2008, 1, 331-339.	5.3	83
43	Diagnostic Value of High-Resolution CT in the Evaluation of Chronic Infiltrative Lung Disease in Children. American Journal of Roentgenology, 2008, 191, 914-920.	2.2	44
44	Hyperinsulinisme chez lâ€™enfant : nouveaux concepts â€” rÃ1e de lâ€™imagerie. Bulletin De L'Academie Nationale De Medecine, 2008, 192, 59-72.	0.0	0
45	Coexistence in the Same Family of Both Focal and Diffuse Forms of Hyperinsulinism. Diabetes Care, 2007, 30, 1590-1592.	8.6	8
46	Three-dimensional CT scanning: a new diagnostic modality in congenital heart disease. Heart, 2007, 93, 908-913.	2.9	73
47	Functional Imaging of the Pancreas: The Role of [18 F]Fluoro- L -DOPA PET in the Diagnosis of Hyperinsulinism of Infancy. , 2007, 12, 55-66.		27
48	The added value of [18F]fluoro-L-DOPA PET in the diagnosis of hyperinsulinism of infancy: a retrospective study involving 49 children. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 2120-2128.	6.4	71
49	Autism, the superior temporal sulcus and social perception. Trends in Neurosciences, 2006, 29, 359-366.	8.6	345
50	The Knudsonâ€™s Two-Hit Model and Timing of Somatic Mutation May Account for the Phenotypic Diversity of Focal Congenital Hyperinsulinism. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 4118-4123.	3.6	35
51	Congenital Hyperinsulinism: Pancreatic [¹⁸F]Fluoro-<scp>l</scp>-Dihydroxyphenylalanine (DOPA) Positron Emission Tomography and Immunohistochemistry Study of DOPA Decarboxylase and Insulin Secretion. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 933-940.	3.6	97
52	Molecular Mechanisms of Neonatal Hyperinsulinism. Hormone Research in Paediatrics, 2006, 66, 289-296.	1.8	34
53	Hyperinsulinism of Infancy: Noninvasive Differential Diagnosis. , 2006, , 472-478.		2
54	Autism severity and temporal lobe functional abnormalities. Annals of Neurology, 2005, 58, 466-469.	5.3	88

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55	Chiari malformation in craniosynostosis. Child's Nervous System, 2005, 21, 889-901.	1.1	233
56	Factitious Hyperinsulinism Leading to Pancreatectomy: Severe Forms of Munchausen Syndrome by Proxy. Pediatrics, 2005, 116, e145-e148.	2.1	65
57	Cerebral MR imaging in uninfected children born to HIV-seropositive mothers and perinatally exposed to zidovudine. American Journal of Neuroradiology, 2005, 26, 695-701.	2.4	26
58	Characterization of hyperinsulinism in infancy assessed with PET and 18F-fluoro-L-DOPA. Journal of Nuclear Medicine, 2005, 46, 560-6.	5.0	124
59	Acute Insulin Responses to Calcium and Tolbutamide Do Not Differentiate Focal from Diffuse Congenital Hyperinsulinism. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 925-929.	3.6	41
60	Perception of Complex Sounds in Autism: Abnormal Auditory Cortical Processing in Children. American Journal of Psychiatry, 2004, 161, 2117-2120.	7.2	182
61	Abnormal cortical voice processing in autism. Nature Neuroscience, 2004, 7, 801-802.	14.8	444
62	Hyperinsulinemic hypoglycemia in children. Annales D'Endocrinologie, 2004, 65, 96-98.	1.4	6
63	Classification of venous malformations in children and implications for sclerotherapy. Pediatric Radiology, 2003, 33, 99-103.	2.0	194
64	Perception of Complex Sounds: Abnormal Pattern of Cortical Activation in Autism. American Journal of Psychiatry, 2003, 160, 2057-2060.	7.2	183
65	Perinatal Three-dimensional Color Power Doppler Ultrasonography of Vein of Galen Aneurysms. Journal of Ultrasound in Medicine, 2003, 22, 1357-1362.	1.7	28
66	Facial appearance in persistent hyperinsulinemic hypoglycemia. American Journal of Medical Genetics Part A, 2002, 111, 130-133.	2.4	29
67	Heterogeneity of persistent hyperinsulinaemic hypoglycaemia. A series of 175 cases. European Journal of Pediatrics, 2002, 161, 37-48.	2.7	139
68	Unbalanced Expression of 11p15 Imprinted Genes in Focal Forms of Congenital Hyperinsulinism. American Journal of Pathology, 2001, 158, 2177-2184.	3.8	103
69	Pancreatic arterial calcium stimulation in the diagnosis and localisation of persistent hyperinsulinemic hypoglycaemia of infancy. Pediatric Radiology, 2001, 31, 650-655.	2.0	35
70	Cerebral white matter disease in children may be caused by mitochondrial respiratory chain deficiency. Journal of Pediatrics, 2000, 136, 209-214.	1.8	41
71	Clinical Features of 52 Neonates with Hyperinsulinism. New England Journal of Medicine, 1999, 340, 1169-1175.	27.0	308
72	Failure of third ventriculostomy in the treatment of aqueductal stenosis in children. Journal of Neurosurgery, 1999, 90, 448-454.	1.6	269

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73	Percutaneous transluminal angioplasty of renal artery stenosis in children. Pediatric Radiology, 1998, 28, 59-63.	2.0	88
74	Hydrocephalus and craniosynostosis. Journal of Neurosurgery, 1998, 88, 209-214.	1.6	171
75	Arteriovenous malformation of the vein of Galen in children. Pediatric Radiology, 1997, 27, 501-513.	2.0	97
76	Bile Ducts. , 1994, , 95-118.		0
77	Pigment Gallstones of the Common Bile Duct in Infancy. Hepatology, 1984, 4, 678-683.	7.3	20