

Francis Brunelle

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Abnormal cortical voice processing in autism. <i>Nature Neuroscience</i> , 2004, 7, 801-802. | 14.8 | 444 |
| 2 | Autism, the superior temporal sulcus and social perception. <i>Trends in Neurosciences</i> , 2006, 29, 359-366. | 8.6 | 345 |
| 3 | Clinical Features of 52 Neonates with Hyperinsulinism. <i>New England Journal of Medicine</i> , 1999, 340, 1169-1175. | 27.0 | 308 |
| 4 | Congenital hyperinsulinism: current trends in diagnosis and therapy. <i>Orphanet Journal of Rare Diseases</i> , 2011, 6, 63. | 2.7 | 295 |
| 5 | Failure of third ventriculostomy in the treatment of aqueductal stenosis in children. <i>Journal of Neurosurgery</i> , 1999, 90, 448-454. | 1.6 | 269 |
| 6 | Chiari malformation in craniosynostosis. <i>Child's Nervous System</i> , 2005, 21, 889-901. | 1.1 | 233 |
| 7 | Classification of venous malformations in children and implications for sclerotherapy. <i>Pediatric Radiology</i> , 2003, 33, 99-103. | 2.0 | 194 |
| 8 | Perception of Complex Sounds: Abnormal Pattern of Cortical Activation in Autism. <i>American Journal of Psychiatry</i> , 2003, 160, 2057-2060. | 7.2 | 183 |
| 9 | Perception of Complex Sounds in Autism: Abnormal Auditory Cortical Processing in Children. <i>American Journal of Psychiatry</i> , 2004, 161, 2117-2120. | 7.2 | 182 |
| 10 | Hydrocephalus and craniosynostosis. <i>Journal of Neurosurgery</i> , 1998, 88, 209-214. | 1.6 | 171 |
| 11 | Iterative reconstruction methods in two different MDCT scanners: Physical metrics and 4-alternative forced-choice detectability experiments – A phantom approach. <i>Physica Medica</i> , 2013, 29, 99-110. | 0.7 | 167 |
| 12 | Heterogeneity of persistent hyperinsulinaemic hypoglycaemia. A series of 175 cases. <i>European Journal of Pediatrics</i> , 2002, 161, 37-48. | 2.7 | 139 |
| 13 | Characterization of hyperinsulinism in infancy assessed with PET and 18F-fluoro-L-DOPA. <i>Journal of Nuclear Medicine</i> , 2005, 46, 560-6. | 5.0 | 124 |
| 14 | Glucose Metabolism in 105 Children and Adolescents After Pancreatectomy for Congenital Hyperinsulinism. <i>Diabetes Care</i> , 2012, 35, 198-203. | 8.6 | 121 |
| 15 | Congenital hyperinsulinism. <i>Early Human Development</i> , 2010, 86, 287-294. | 1.8 | 105 |
| 16 | Unbalanced Expression of 11p15 Imprinted Genes in Focal Forms of Congenital Hyperinsulinism. <i>American Journal of Pathology</i> , 2001, 158, 2177-2184. | 3.8 | 103 |
| 17 | MRI Findings in 77 Children with Non-Syndromic Autistic Disorder. <i>PLoS ONE</i> , 2009, 4, e4415. | 2.5 | 100 |
| 18 | Arteriovenous malformation of the vein of Galen in children. <i>Pediatric Radiology</i> , 1997, 27, 501-513. | 2.0 | 97 |

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|----|---|-----|-----------|
| 19 | Congenital Hyperinsulinism: Pancreatic [¹⁸ F]Fluoro-L-Dihydroxyphenylalanine (DOPA) Positron Emission Tomography and Immunohistochemistry Study of DOPA Decarboxylase and Insulin Secretion. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006, 91, 933-940. | 3.6 | 97 |
| 20 | Percutaneous transluminal angioplasty of renal artery stenosis in children. <i>Pediatric Radiology</i> , 1998, 28, 59-63. | 2.0 | 88 |
| 21 | Autism severity and temporal lobe functional abnormalities. <i>Annals of Neurology</i> , 2005, 58, 466-469. | 5.3 | 88 |
| 22 | Long-Term Outcome of 106 Consecutive Pediatric Ruptured Brain Arteriovenous Malformations After Combined Treatment. <i>Stroke</i> , 2014, 45, 1664-1671. | 2.0 | 86 |
| 23 | Safety and Accuracy of 64-Slice Computed Tomography Coronary Angiography in Children After the Arterial Switch Operation for Transposition of the Great Arteries. <i>JACC: Cardiovascular Imaging</i> , 2008, 1, 331-339. | 5.3 | 83 |
| 24 | Arterial Spin Labeling to Predict Brain Tumor Grading in Children: Correlations between Histopathologic Vascular Density and Perfusion MR Imaging. <i>Radiology</i> , 2016, 281, 553-566. | 7.3 | 82 |
| 25 | Model-based iterative reconstruction in pediatric chest CT: assessment of image quality in a prospective study of children with cystic fibrosis. <i>Pediatric Radiology</i> , 2013, 43, 558-567. | 2.0 | 75 |
| 26 | Three-dimensional CT scanning: a new diagnostic modality in congenital heart disease. <i>Heart</i> , 2007, 93, 908-913. | 2.9 | 73 |
| 27 | The added value of [18F]fluoro-L-DOPA PET in the diagnosis of hyperinsulinism of infancy: a retrospective study involving 49 children. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007, 34, 2120-2128. | 6.4 | 71 |
| 28 | Factitious Hyperinsulinism Leading to Pancreatectomy: Severe Forms of Munchausen Syndrome by Proxy. <i>Pediatrics</i> , 2005, 116, e145-e148. | 2.1 | 65 |
| 29 | Paediatric cardiac CT examinations: impact of the iterative reconstruction method ASIR on image quality – preliminary findings. <i>Pediatric Radiology</i> , 2011, 41, 1154-1164. | 2.0 | 65 |
| 30 | Feature selection and classification of imbalanced datasets. <i>NeuroImage</i> , 2011, 57, 1003-1014. | 4.2 | 54 |
| 31 | Arterial Spin Labeling MRI: A step forward in non-invasive delineation of focal cortical dysplasia in children. <i>Epilepsy Research</i> , 2014, 108, 1932-1939. | 1.6 | 46 |
| 32 | Diagnostic Value of High-Resolution CT in the Evaluation of Chronic Infiltrative Lung Disease in Children. <i>American Journal of Roentgenology</i> , 2008, 191, 914-920. | 2.2 | 44 |
| 33 | Cerebral white matter disease in children may be caused by mitochondrial respiratory chain deficiency. <i>Journal of Pediatrics</i> , 2000, 136, 209-214. | 1.8 | 41 |
| 34 | Acute Insulin Responses to Calcium and Tolbutamide Do Not Differentiate Focal from Diffuse Congenital Hyperinsulinism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 925-929. | 3.6 | 41 |
| 35 | Clinical features and management of arterial hypertension in children with Williams-Beuren syndrome. <i>Nephrology Dialysis Transplantation</i> , 2010, 25, 434-438. | 0.7 | 41 |
| 36 | Non-invasive assessment of congenital pulmonary vein stenosis in children using cardiac-non-gated CT with 64-slice technology. <i>European Journal of Radiology</i> , 2009, 70, 595-599. | 2.6 | 36 |

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|----|--|-----|-----------|
| 37 | Pancreatic arterial calcium stimulation in the diagnosis and localisation of persistent hyperinsulinemic hypoglycaemia of infancy. <i>Pediatric Radiology</i> , 2001, 31, 650-655. | 2.0 | 35 |
| 38 | The Knudson's Two-Hit Model and Timing of Somatic Mutation May Account for the Phenotypic Diversity of Focal Congenital Hyperinsulinism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006, 91, 4118-4123. | 3.6 | 35 |
| 39 | Arterial spin labeling magnetic resonance imaging: toward noninvasive diagnosis and follow-up of pediatric brain arteriovenous malformations. <i>Journal of Neurosurgery: Pediatrics</i> , 2015, 15, 451-458. | 1.3 | 35 |
| 40 | Molecular Mechanisms of Neonatal Hyperinsulinism. <i>Hormone Research in Paediatrics</i> , 2006, 66, 289-296. | 1.8 | 34 |
| 41 | Value of ¹⁸ F-fluoro-L-dopa PET in the Preoperative Localization of Focal Lesions in Congenital Hyperinsulinism. <i>Radiology</i> , 2009, 253, 216-222. | 7.3 | 33 |
| 42 | De novo mutations in CBL causing early-onset paediatric moyamoya angiopathy. <i>Journal of Medical Genetics</i> , 2017, 54, 550-557. | 3.2 | 33 |
| 43 | Predictors of Outcome in Patients with Pediatric Intracerebral Hemorrhage: Development and Validation of a Modified Score. <i>Radiology</i> , 2018, 286, 651-658. | 7.3 | 31 |
| 44 | Facial appearance in persistent hyperinsulinemic hypoglycemia. <i>American Journal of Medical Genetics Part A</i> , 2002, 111, 130-133. | 2.4 | 29 |
| 45 | Perinatal Three-dimensional Color Power Doppler Ultrasonography of Vein of Galen Aneurysms. <i>Journal of Ultrasound in Medicine</i> , 2003, 22, 1357-1362. | 1.7 | 28 |
| 46 | The growth of the foramen magnum in Crouzon syndrome. <i>Child's Nervous System</i> , 2012, 28, 1525-1535. | 1.1 | 28 |
| 47 | Skull Base Morphology in Fibroblast Growth Factor Receptor Type 2-Related Faciocraniosynostosis. <i>Neurosurgery</i> , 2015, 76, 571-583. | 1.1 | 28 |
| 48 | 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 |
| 49 | Magnetic resonance imaging arterial spin labelling perfusion alterations in childhood migraine with atypical aura: a case-control study. <i>Developmental Medicine and Child Neurology</i> , 2016, 58, 965-969. | 2.1 | 26 |
| 50 | Cerebral MR imaging in uninfected children born to HIV-seropositive mothers and perinatally exposed to zidovudine. <i>American Journal of Neuroradiology</i> , 2005, 26, 695-701. | 2.4 | 26 |
| 51 | Cerebral blood flow changes after radiation therapy identifies pseudoprogression in diffuse intrinsic pontine gliomas. <i>Neuro-Oncology</i> , 2018, 20, 994-1002. | 1.2 | 21 |
| 52 | Pigment Gallstones of the Common Bile Duct in Infancy. <i>Hepatology</i> , 1984, 4, 678-683. | 7.3 | 20 |
| 53 | Tuning Eye-Gaze Perception by Transitory STS Inhibition. <i>Cerebral Cortex</i> , 2016, 26, 2823-2831. | 2.9 | 19 |
| 54 | Multimodal Magnetic Resonance Imaging of Treatment-Induced Changes to Diffuse Infiltrating Pontine Gliomas in Children and Correlation to Patient Progression-Free Survival. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 476-485. | 0.8 | 18 |

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|----|--|-----|-----------|
| 55 | Changes in intracranial CSF distribution after ETV. <i>Child's Nervous System</i> , 2012, 28, 997-1002. | 1.1 | 15 |
| 56 | Etiology of intracerebral hemorrhage in children: cohort study, systematic review, and meta-analysis. <i>Journal of Neurosurgery: Pediatrics</i> , 2021, 27, 357-363. | 1.3 | 13 |
| 57 | Autisme et imagerie cÃ©rÃ©brale. <i>Bulletin De L'Academie Nationale De Medecine</i> , 2009, 193, 287-298. | 0.0 | 11 |
| 58 | Rest Functional Brain Maturation during the First Year of Life. <i>Cerebral Cortex</i> , 2021, 31, 1776-1785. | 2.9 | 11 |
| 59 | Pediatric brain arteriovenous malformation recurrence: a cohort study, systematic review and meta-analysis. <i>Journal of NeuroInterventional Surgery</i> , 2021, , neurintsurg-2021-017777. | 3.3 | 10 |
| 60 | Post-operative cardiac lesions after cardiac surgery in childhood. <i>Pediatric Radiology</i> , 2010, 40, 885-894. | 2.0 | 9 |
| 61 | Coexistence in the Same Family of Both Focal and Diffuse Forms of Hyperinsulinism. <i>Diabetes Care</i> , 2007, 30, 1590-1592. | 8.6 | 8 |
| 62 | Neural and behavioral signature of human social perception. <i>Scientific Reports</i> , 2019, 9, 9252. | 3.3 | 8 |
| 63 | Hyperinsulinemic hypoglycemia in children. <i>Annales D'Endocrinologie</i> , 2004, 65, 96-98. | 1.4 | 6 |
| 64 | Arterial Spin Labeling for the Etiological Workup of Intracerebral Hemorrhage in Children. <i>Stroke</i> , 2022, 53, 185-193. | 2.0 | 6 |
| 65 | Potential benefit of the CT adaptive statistical iterative reconstruction method for pediatric cardiac diagnosis. <i>Proceedings of SPIE</i> , 2010, , . | 0.8 | 5 |
| 66 | Unilateral coronal synostosis: can we trust the sagittal suture as a landmark for the underlying superior sagittal sinus?. <i>Journal of Neurosurgery: Pediatrics</i> , 2016, 17, 589-594. | 1.3 | 5 |
| 67 | First Line Onyx Embolization in Ruptured Pediatric Arteriovenous Malformations. <i>Clinical Neuroradiology</i> , 2021, 31, 155-163. | 1.9 | 5 |
| 68 | Impact of extra-axial cerebrospinal fluid collection in frontal morphology after surgical treatment of scaphocephaly. , 2018, 9, 215. | | 5 |
| 69 | Arterial spin labeling shows pre-epileptic tuber hyperperfusion in tuberous sclerosis complex. <i>Neurology</i> , 2016, 86, 1744-1745. | 1.1 | 4 |
| 70 | Primary pulmonary alveolar proteinosis: computed tomography features at diagnosis. <i>Pediatric Radiology</i> , 2014, 44, 795-802. | 2.0 | 3 |
| 71 | Acute surgical management of children with ruptured brain arteriovenous malformation. <i>Journal of Neurosurgery: Pediatrics</i> , 2021, 27, 437-445. | 1.3 | 2 |
| 72 | Hydrocephalus in children with ruptured cerebral arteriovenous malformation. <i>Journal of Neurosurgery: Pediatrics</i> , 2020, 26, 283-287. | 1.3 | 2 |

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|----|---|-----|-----------|
| 73 | Hyperinsulinism of Infancy: Noninvasive Differential Diagnosis. , 2006, , 472-478. | | 2 |
| 74 | Interrelations humaines, cognition sociale et sillon temporal supÃ©rieur. Bulletin De L'Academie Nationale De Medecine, 2013, 197, 817-829. | 0.0 | 2 |
| 75 | Imaging of vascular anomalies and malformations in children. Sang Thrombose Vaisseaux, 2013, 25, 10-18. | 0.1 | 0 |
| 76 | Hyperinsulinisme chez lâ€™enfant : nouveaux concepts â€” rÃ´le de lâ€™imagerie. Bulletin De L'Academie Nationale De Medecine, 2008, 192, 59-72. | 0.0 | 0 |
| 77 | Bile Ducts. , 1994, , 95-118. | | 0 |