

Jonathan Roth

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.

136
papers

3,026
citations

21
h-index

53
g-index

143
ext. papers

3,635
ext. citations

2.3
avg, IF

4.89
L-index

#	Paper	IF	Citations
136	Tuberous sclerosis complex diagnostic criteria update: recommendations of the 2012 International Tuberous Sclerosis Complex Consensus Conference. <i>Pediatric Neurology</i> , 2013 , 49, 243-54	2.9	916
135	Tuberous sclerosis complex surveillance and management: recommendations of the 2012 International Tuberous Sclerosis Complex Consensus Conference. <i>Pediatric Neurology</i> , 2013 , 49, 255-65	2.9	553
134	Endoscopic third ventriculostomy in the treatment of childhood hydrocephalus. <i>Journal of Pediatrics</i> , 2009 , 155, 254-9.e1	3.6	254
133	Subependymal giant cell astrocytoma: diagnosis, screening, and treatment. Recommendations from the International Tuberous Sclerosis Complex Consensus Conference 2012. <i>Pediatric Neurology</i> , 2013 , 49, 439-44	2.9	127
132	MBCL-17. METASTATIC MEDULLOBLASTOMA CAN BE CURED WITHOUT EXCISION OF THE PRIMARY TUMOR: A SINGLE CENTER EXPERIENCE. <i>Neuro-Oncology</i> , 2020 , 22, iii391-iii391	1	78
131	Intrathecal baclofen therapy: complication avoidance and management. <i>Childs Nervous System</i> , 2011 , 27, 421-7	1.7	45
130	Delayed contrast extravasation MRI: a new paradigm in neuro-oncology. <i>Neuro-Oncology</i> , 2015 , 17, 457-65		43
129	Combined rigid and flexible endoscopy for tumors in the posterior third ventricle. <i>Journal of Neurosurgery</i> , 2015 , 122, 1341-6	3.2	43
128	Laparoscopic versus non-laparoscopic-assisted ventriculoperitoneal shunt placement in adults. A retrospective analysis. <i>World Neurosurgery</i> , 2007 , 68, 177-84; discussion 184		37
127	Real-time neuronavigation with high-quality 3D ultrasound SonoWand in pediatric neurosurgery. <i>Pediatric Neurosurgery</i> , 2007 , 43, 185-91	0.9	35
126	Updated International Tuberous Sclerosis Complex Diagnostic Criteria and Surveillance and Management Recommendations. <i>Pediatric Neurology</i> , 2021 , 123, 50-66	2.9	33
125	Quality of life following epilepsy surgery for children with tuberous sclerosis complex. <i>Epilepsy and Behavior</i> , 2011 , 20, 561-5	3.2	32
124	Whole-genome sequencing reveals principles of brain retrotransposition in neurodevelopmental disorders. <i>Cell Research</i> , 2018 , 28, 187-203	24.7	29
123	Endoscopic third ventriculostomy in patients with a diminished prepontine interval. <i>Journal of Neurosurgery: Pediatrics</i> , 2010 , 5, 250-4	2.1	27
122	Classical and real-time neuronavigation in pediatric neurosurgery. <i>Childs Nervous System</i> , 2006 , 22, 1065-71		26
121	A management strategy for intraventricular subependymal giant cell astrocytomas in tuberous sclerosis complex. <i>Journal of Neurosurgery: Pediatrics</i> , 2014 , 13, 21-8	2.1	24
120	TROPHY registry study design: a prospective, international multicenter study for the surgical treatment of posthemorrhagic hydrocephalus in neonates. <i>Childs Nervous System</i> , 2019 , 35, 613-619	1.7	22

119	Syringo-Subarachnoid Shunt for the Treatment of Persistent Syringomyelia Following Decompression for Chiari Type I Malformation: Surgical Results. <i>World Neurosurgery</i> , 2017 , 108, 836-843 ^{2.1}	2.1	22
118	Intraoperative portable 0.12-tesla MRI in pediatric neurosurgery. <i>Pediatric Neurosurgery</i> , 2006 , 42, 74-80 ^{0.9}		22
117	Selective use of intra-catheter endoscopic-assisted ventricular catheter placement: indications and outcome. <i>Childs Nervous System</i> , 2012 , 28, 1163-9	1.7	21
116	Multiple epidural hematomas and hemodynamic collapse caused by a subgaleal drain and suction-induced intracranial hypotension: case report. <i>Neurosurgery</i> , 2011 , 68, E271-5; discussion E276	3.2	21
115	Safety of staged epilepsy surgery in children. <i>Neurosurgery</i> , 2014 , 74, 154-62	3.2	20
114	Intraventricular lesions in tuberous sclerosis complex: a possible association with the caudate nucleus. <i>Journal of Neurosurgery: Pediatrics</i> , 2012 , 9, 406-13	2.1	20
113	Pediatric incidental brain tumors: a growing treatment dilemma. <i>Journal of Neurosurgery: Pediatrics</i> , 2012 , 10, 168-74	2.1	19
112	MRI internal segmentation of optic pathway gliomas: clinical implementation of a novel algorithm. <i>Childs Nervous System</i> , 2011 , 27, 1265-72	1.7	19
111	Subcortical Mapping Using an Electrified Cavitron UltraSonic Aspirator in Pediatric Supratentorial Surgery. <i>World Neurosurgery</i> , 2017 , 101, 357-364	2.1	17
110	Contrast ventriculo-cisternography: an auxiliary test for suspected fourth ventricular outlet obstruction. <i>Childs Nervous System</i> , 2012 , 28, 453-9	1.7	16
109	True aqueductal tumors: a unique entity. <i>Acta Neurochirurgica</i> , 2015 , 157, 169-77	3	16
108	The ability of high field strength 7-T magnetic resonance imaging to reveal previously uncharacterized brain lesions in patients with tuberous sclerosis complex. <i>Journal of Neurosurgery: Pediatrics</i> , 2013 , 11, 268-73	2.1	16
107	The value of multimodality intraoperative neurophysiological monitoring in treating pediatric Chiari malformation type I. <i>Acta Neurochirurgica</i> , 2016 , 158, 335-40	3	15
106	The ventricular system and choroid plexus as a primary site for renal cell carcinoma metastasis. <i>Acta Neurochirurgica</i> , 2014 , 156, 1469-74	3	15
105	Epilepsy control following intracranial monitoring without resection in young children. <i>Epilepsia</i> , 2012 , 53, 334-41	6.4	15
104	Treatment failure of syringomyelia associated with Chiari I malformation following foramen magnum decompression: how should we proceed?. <i>Neurosurgical Review</i> , 2019 , 42, 705-714	3.9	15
103	Ventriculoperitoneal shunt catheter protrusion through the anus: case report of an uncommon complication and literature review. <i>Childs Nervous System</i> , 2011 , 27, 2011-4	1.7	14
102	Endoscopic considerations treating hydrocephalus caused by basal ganglia and large thalamic tumors. <i>Surgical Neurology International</i> , 2015 , 6, 56	1	14

101	Multiple Brain Developmental Venous Anomalies as a Marker for Constitutional Mismatch Repair Deficiency Syndrome. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1943-1946	4.4	14
100	Risk factors and epidemiology of pediatric ventriculoperitoneal shunt infection. <i>Pediatrics International</i> , 2018 , 60, 1056-1061	1.2	13
99	Endoscopic Third Ventriculostomy in Patients with Neurofibromatosis Type 1: A Multicenter International Experience. <i>World Neurosurgery</i> , 2017 , 107, 623-629	2.1	11
98	Modified bilateral subtemporal decompression for resistant slit ventricle syndrome. <i>Childs Nervous System</i> , 2011 , 27, 101-10	1.7	11
97	Health-related quality of life after post-haemorrhagic hydrocephalus in children born preterm. <i>Developmental Medicine and Child Neurology</i> , 2019 , 61, 343-349	3.3	11
96	Surgical treatment for cervicomedullary compression among infants with achondroplasia. <i>Childs Nervous System</i> , 2015 , 31, 743-50	1.7	10
95	Placement of Ommaya reservoir following endoscopic third ventriculostomy in pediatric hydrocephalic patients: a critical reappraisal. <i>Childs Nervous System</i> , 2011 , 27, 749-55	1.7	10
94	Over-drainage and persistent shunt-dependency in patients with idiopathic intracranial hypertension treated with shunts and bariatric surgery. <i>Surgical Neurology International</i> , 2015 , 6, S655-60		10
93	Syringo-subarachnoid shunt: how I do it. <i>Acta Neurochirurgica</i> , 2019 , 161, 367-370	3	9
92	Epilepsy surgery in tuberous sclerosis complex (TSC): emerging techniques and redefinition of treatment goals. <i>Childs Nervous System</i> , 2020 , 36, 2519-2525	1.7	9
91	Endoscope Holders in Cranial Neurosurgery: Part I-Technology, Trends, and Implications. <i>World Neurosurgery</i> , 2016 , 89, 343-54	2.1	9
90	Unique findings of subependymal giant cell astrocytoma within cortical tubers in patients with tuberous sclerosis complex: a histopathological evaluation. <i>Childs Nervous System</i> , 2017 , 33, 601-607	1.7	8
89	Group A Streptococcal Brain Abscess in the Pediatric Population: Case Series and Review of the Literature. <i>Pediatric Infectious Disease Journal</i> , 2018 , 37, 967-970	3.4	8
88	Intracranial infections caused by <i>Actinomyces</i> species. <i>World Neurosurgery</i> , 2010 , 74, 261-2	2.1	8
87	The disconnected shunt: a window of opportunities. <i>Childs Nervous System</i> , 2017 , 33, 467-473	1.7	7
86	Treatment Options for Hydrocephalus Following Foramen Magnum Decompression for Chiari I Malformation: A Multicenter Study. <i>Neurosurgery</i> , 2020 , 86, 500-508	3.2	7
85	Watertight Dural Closure in Pediatric Craniotomies-Is It Really Necessary?. <i>World Neurosurgery</i> , 2018 , 114, e743-e746	2.1	7
84	Supratentorial calcified pseudotumour: experience of a single institution and review of the literature. <i>Acta Neurochirurgica</i> , 2014 , 156, 1115-20	3	7

83	Intraoperative neurophysiology in pediatric supratentorial surgery: experience with 57 cases. <i>Childs Nervous System</i> , 2020 , 36, 315-324	1.7	7
82	5ALA in pediatric brain tumors is not routinely beneficial. <i>Childs Nervous System</i> , 2017 , 33, 787-792	1.7	6
81	Endoscopic Transseptal Transcaval Interforniceal Approach to the Posterior Third Ventricle in the Presence of Cavum Septum Pellucidum. <i>World Neurosurgery</i> , 2017 , 103, 768-771	2.1	6
80	Neurofibromatosis Type 1-Related Hydrocephalus: Treatment Options and Considerations. <i>World Neurosurgery</i> , 2019 , 128, e664-e668	2.1	6
79	Conservative treatment of cysts of the cavum septum pellucidum presenting in childhood: report of 3 cases. <i>Journal of Neurosurgery: Pediatrics</i> , 2015 , 16, 283-6	2.1	6
78	Management of incidental brain tumors in children: a systematic review. <i>Childs Nervous System</i> , 2020 , 36, 1607-1619	1.7	6
77	Optic pathway-hypothalamic glioma hemorrhage: a series of 9 patients and review of the literature. <i>Journal of Neurosurgery</i> , 2018 , 129, 1407-1415	3.2	6
76	Endoscope Holders in Cranial Neurosurgery: Part 2-An International Survey. <i>World Neurosurgery</i> , 2018 , 111, e632-e643	2.1	6
75	Neurodevelopmental outcomes in children with large temporal arachnoid cysts. <i>Journal of Neurosurgery: Pediatrics</i> , 2018 , 21, 578-586	2.1	6
74	Malignant transformation of a conservatively managed incidental childhood cerebral mass lesion: controversy regarding management paradigm. <i>Childs Nervous System</i> , 2017 , 33, 2169-2175	1.7	6
73	Microsurgical fenestration of retrocerebellar cysts as a treatment for syringomyelia. <i>Childs Nervous System</i> , 2012 , 28, 653-6	1.7	6
72	Combined open microsurgical and endoscopic resection of hypothalamic hamartomas. <i>Journal of Neurosurgery: Pediatrics</i> , 2013 , 11, 491-4	2.1	6
71	Spontaneous bleeding into a suprasellar cavernous angioma of a neonate: case report and literature review. <i>Childs Nervous System</i> , 2011 , 27, 303-11	1.7	6
70	The Impact of Colloid Cyst Treatment on Neurocognition. <i>World Neurosurgery</i> , 2019 , 125, e372-e377	2.1	5
69	Neurofibromatosis type 1-related hydrocephalus: causes and treatment considerations. <i>Childs Nervous System</i> , 2020 , 36, 2385-2390	1.7	5
68	The impact of neonatal posthemorrhagic hydrocephalus of prematurity on family function at preschool age. <i>Early Human Development</i> , 2019 , 137, 104827	2.2	5
67	Frontosphenoid synostosis: an unusual cause of anterior plagiocephaly. <i>Journal of Craniofacial Surgery</i> , 2015 , 26, 174-5	1.2	5
66	"Growing" cerebellum in an infant after shunt insertion. <i>Pediatric Neurology</i> , 2015 , 52, 222-5	2.9	5

65	Regeneration of the transected rat sciatic nerve after suturing or adhesion with cyanoacrylate glue. <i>Journal of Neurosurgery</i> , 2011 , 114, 245-52	3.2	5
64	Gamma probe localization of cranial bone lesions: technical note. <i>World Neurosurgery</i> , 2004 , 61, 585-7		5
63	Pediatric posterior fossa incidentalomas. <i>Childs Nervous System</i> , 2020 , 36, 601-609	1.7	5
62	Prophylactic antiepileptic treatment with levetiracetam for patients undergoing supratentorial brain tumor surgery: a two-center matched cohort study. <i>Neurosurgical Review</i> , 2020 , 43, 709-718	3.9	5
61	Incidental brain tumors in children: an international neurosurgical, oncological survey. <i>Childs Nervous System</i> , 2018 , 34, 1325-1333	1.7	5
60	Direct syrinx drainage in patients with Chiari I malformation. <i>Childs Nervous System</i> , 2019 , 35, 1863-1868	1.7	4
59	INCIDENTAL FINDINGS ON BRAIN MAGNETIC RESONANCE IMAGING (MRI) IN PEDIATRIC ENDOCRINE PATIENTS. <i>Endocrine Practice</i> , 2020 ,	3.2	4
58	Septal vein symmetry: implications for endoscopic septum pellucidotomy. <i>Operative Neurosurgery</i> , 2010 , 67, 395-401	1.6	4
57	Traumatic Facial Diplegia and Horner Syndrome: Case Report. <i>European Journal of Trauma and Emergency Surgery</i> , 2007 , 33, 425-9	2.3	4
56	Pineal region tumors: an entity with crucial anatomical nuances. <i>Childs Nervous System</i> , 2021 , 37, 383-390	1.7	4
55	Vascular territorial segmentation and volumetric blood flow measurement using dynamic contrast enhanced magnetic resonance angiography of the brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 3446-3456	7.3	3
54	Giant cranial and cerebellar hemangioma treated with propranolol. <i>Childs Nervous System</i> , 2015 , 31, 805-8	1.7	3
53	Retrospective Multicentric Study on Non-Optic CNS Tumors in Children and Adolescents with Neurofibromatosis Type 1. <i>Cancers</i> , 2020 , 12,	6.6	3
52	Cerebellar tumor extension as a late event of long-standing, supratentorial low-grade gliomas: case report. <i>Neurosurgery</i> , 2006 , 58, E1210; discussion E1210	3.2	3
51	Acute subdural hematomas in shunted normal-pressure hydrocephalus patients - Management options and literature review: A case-based series. <i>Surgical Neurology International</i> , 2018 , 9, 238	1	3
50	Epilepsy surgery in infants up to 3 months of age: Safety, feasibility, and outcomes: A multicenter, multinational study. <i>Epilepsia</i> , 2021 , 62, 1897-1906	6.4	3
49	The interhemispheric approach in children: our experience and review of the literature. <i>Childs Nervous System</i> , 2019 , 35, 445-452	1.7	3
48	Filum terminale lipomas-the role of intraoperative neuromonitoring. <i>Childs Nervous System</i> , 2021 , 37, 931-939	1.7	3

47	Monogenic Causes of Apparently Idiopathic Perinatal Intracranial Hemorrhage. <i>Annals of Neurology</i> , 2021 , 89, 813-822	9.4	3
46	The Added Value of Magnetic Resonance Imaging Cisternography and Ventriculography as a Diagnostic Aid in Pediatric Hydrocephalus. <i>Pediatric Neurosurgery</i> , 2019 , 54, 165-172	0.9	2
45	Aborting a neurosurgical procedure: analyzing the decision factors, with endoscopic third ventriculostomy as a model. <i>Childs Nervous System</i> , 2020 , 36, 919-924	1.7	2
44	Conversion of external ventricular drainage to ventriculo-peritoneal shunt: to change or not to change the proximal catheter?. <i>Childs Nervous System</i> , 2017 , 33, 1947-1952	1.7	2
43	Stereotactic biopsy complicated by pneumocephalus and acute pulmonary edema. <i>World Neurosurgery</i> , 2007 , 68, 573-6; discussion 576		2
42	Pediatric thalamic incidentalomas: an international retrospective multicenter study. <i>Journal of Neurosurgery: Pediatrics</i> , 2021 , 1-9	2.1	2
41	Automatic segmentation, classification, and follow-up of optic pathway gliomas using deep learning and fuzzy c-means clustering based on MRI. <i>Medical Physics</i> , 2020 , 47, 5693-5701	4.4	2
40	Peritoneal insertion of shunts in children: comparison between trocar and laparoscopically guided insertion. <i>Childs Nervous System</i> , 2021 , 37, 115-123	1.7	2
39	Use of EOS Low-Dose Biplanar X-Ray for Shunt Series in Children with Hydrocephalus: A Preliminary Study. <i>World Neurosurgery</i> , 2018 , 116, e273-e277	2.1	2
38	Classification of Pediatric Posterior Fossa Tumors Using Convolutional Neural Network and Tabular Data. <i>IEEE Access</i> , 2021 , 9, 91966-91973	3.5	2
37	Refractory epilepsy associated with ventriculoperitoneal shunt over-drainage: case report. <i>Childs Nervous System</i> , 2019 , 35, 2411-2416	1.7	1
36	The value of cerebrospinal fluid lactate levels in diagnosing CSF infections in pediatric neurosurgical patients. <i>Childs Nervous System</i> , 2019 , 35, 1147-1153	1.7	1
35	Pseudo-spontaneous third ventriculostomy. <i>Childs Nervous System</i> , 2019 , 35, 1107-1108	1.7	1
34	E-bike-related cranial injuries in pediatric population. <i>Childs Nervous System</i> , 2019 , 35, 1393-1396	1.7	1
33	Pediatric colloid cysts: a multinational, multicenter study. An IFNE-ISPN-ESPN collaboration.. <i>Journal of Neurosurgery: Pediatrics</i> , 2022 , 1-8	2.1	1
32	Seizures following surgery for supratentorial extratemporal low-grade tumors in children: a multicenter retrospective study. <i>Journal of Neurosurgery: Pediatrics</i> , 2020 , 1-7	2.1	1
31	Fulminant Acute Disseminated Encephalomyelitis: A Remarkable Outcome with Cyclophosphamide. <i>Journal of Pediatric Neurology</i> , 2021 , 19, 270-275	0.2	1
30	Mature teratoma splitting the brainstem in a newborn: case report. <i>Journal of Neurosurgery: Pediatrics</i> , 2019 , 1-5	2.1	1

29	The Clinical Utility of Inpatient Brain Magnetic Resonance Imaging in Children. <i>Journal of Child Neurology</i> , 2020 , 35, 744-752	2.5	1
28	Filum terminale lipomas - the role of intraoperative neuromonitoring. <i>Childs Nervous System</i> , 2020 , 36, 2897-2898	1.7	1
27	Current trends in pediatric moyamoya: a survey of international practitioners. <i>Childs Nervous System</i> , 2021 , 37, 2011-2023	1.7	1
26	MRI-based diagnosis and treatment of pediatric brain tumors: is tissue sample always needed?. <i>Childs Nervous System</i> , 2021 , 37, 1449-1459	1.7	1
25	Every patient is like my child: pediatric neurosurgeons' relational and emotional bonds with their patients and families. <i>British Journal of Neurosurgery</i> , 2021 , 1-5	1	1
24	Surgical treatment and outcome of posterior fossa arachnoid cysts in infants. <i>Journal of Neurosurgery: Pediatrics</i> , 2021 , 28, 544-552	2.1	1
23	Can Good Intraoperative Judgement Be Taught?: Pediatric Neurosurgeons' Pedagogical Approaches to Training Residents on Intraoperative Decision-Making. <i>Journal of Surgical Education</i> , 2021 , 78, 1492-1499	3.4	1
22	Value of Cerebrospinal Fluid Lactate Levels in Diagnosing Shunt Infections in Pediatric Patients. <i>World Neurosurgery</i> , 2019 , 129, e207-e215	2.1	0
21	Brain injuries caused by spherical bolts. <i>Journal of Neurosurgery</i> , 2005 , 102, 864-9	3.2	0
20	Neurofibromatosis Type 1 Related Hydrocephalus.. <i>Neurology India</i> , 2021 , 69, S372-S375	0.7	0
19	Fetal Ventriculomegaly and Hydrocephalus - What Shouldn't be Missed on Imaging?. <i>Neurology India</i> , 2021 , 69, S298-S304	0.7	0
18	How Do Pediatric Neurosurgeons Make Intraoperative Decisions?. <i>World Neurosurgery</i> , 2021 , 150, e353-e360		0
17	Ivy sign: a diagnostic and prognostic biomarker for pediatric moyamoya.. <i>Journal of Neurosurgery: Pediatrics</i> , 2021 , 1-9	2.1	0
16	Pediatric neurosurgeons' philosophical approaches to making intraoperative decisions when encountering an uncertainty or a complication while operating on children. <i>Journal of Neurosurgery: Pediatrics</i> , 2021 , 1-10	2.1	0
15	Absorbable plate degradation mimicking local abscess: letter to the editor. <i>Childs Nervous System</i> , 2019 , 35, 2259-2260	1.7	
14	The role of ICP monitoring in paediatric IIH. <i>Childs Nervous System</i> , 2020 , 36, 3027-3033	1.7	
13	Occipital cephalohematoma-a rare pathology. <i>Childs Nervous System</i> , 2016 , 32, 2057-2058	1.7	
12	X-rays for diagnosis of craniosynostosis. <i>Childs Nervous System</i> , 2016 , 32, 13	1.7	

11	Hydrocephalus Caused by Basal Ganglia, Thalamic, and Suprasellar Tumors 2018 , 1-11	
10	Letter to the Editor: Evoked potentials and Chiari malformation Type 1. <i>Journal of Neurosurgery</i> , 2017 , 126, 654-657	3.2
9	Low-Grade Pediatric Brainstem Gliomas 2020 , 131-144	
8	Hydrocephalus Caused by Basal Ganglia, Thalamic, and Suprasellar Tumors 2019 , 773-781	
7	Illustrated dynamic stories behind pediatric neurosurgery. <i>Surgical Neurology International</i> , 2019 , 10, 178	1
6	Hydrocephalus and Brain Tumors 2019 , 199-217	
5	Dynamic mapping using an electrified ultrasonic aspirator in lipomyelomeningocele and spinal cord detethering surgery-a feasibility study. <i>Childs Nervous System</i> , 2021 , 37, 1633-1639	1.7
4	The Role of 3D Reconstruction of the Skull in Patients with Suspected Shunt Malfunction. <i>Pediatric Neurosurgery</i> , 2021 , 56, 110-115	0.9
3	Neurodevelopmental outcome of children born with an isolated atretic cephalocele. <i>Childs Nervous System</i> , 2021 , 37, 1295-1300	1.7
2	HGG-04. Intramedullary spinal high grade glioma with ALK fusion and excellent response to targeted treatment with alectinib: case report. <i>Neuro-Oncology</i> , 2022 , 24, i60-i60	1
1	DDEL-03. The use of programmable valves as a vehicle for intrathecal chemotherapy delivery in infants with CNS tumors and hydrocephalus.. <i>Neuro-Oncology</i> , 2022 , 24, i34-i34	1