Jonathan Roth

List of Publications by Year
in descending order

140	4,123	304602	128225
papers	citations	22 h-index	60 g-index

143	143	143	4198
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tuberous Sclerosis Complex Diagnostic Criteria Update: Recommendations of the 2012 International Tuberous Sclerosis Complex Consensus Conference. Pediatric Neurology, 2013, 49, 243-254.	1.0	1,185
2	Tuberous Sclerosis Complex Surveillance and Management: Recommendations of the 2012 International Tuberous Sclerosis Complex Consensus Conference. Pediatric Neurology, 2013, 49, 255-265.	1.0	693
3	Endoscopic Third Ventriculostomy in the Treatment of Childhood Hydrocephalus. Journal of Pediatrics, 2009, 155, 254-259.e1.	0.9	317
4	Updated International Tuberous Sclerosis Complex Diagnostic Criteria and Surveillance and Management Recommendations. Pediatric Neurology, 2021, 123, 50-66.	1.0	230
5	Subependymal Giant Cell Astrocytoma: Diagnosis, Screening, and Treatment. Recommendations From the International Tuberous Sclerosis Complex Consensus Conference 2012. Pediatric Neurology, 2013, 49, 439-444.	1.0	157
6	Delayed contrast extravasation MRI: a new paradigm in neuro-oncology. Neuro-Oncology, 2015, 17, 457-465.	0.6	66
7	Combined rigid and flexible endoscopy for tumors in the posterior third ventricle. Journal of Neurosurgery, 2015, 122, 1341-1346.	0.9	57
8	Intrathecal baclofen therapy: complication avoidance and management. Child's Nervous System, 2011, 27, 421-427.	0.6	54
9	Whole-genome sequencing reveals principles of brain retrotransposition in neurodevelopmental disorders. Cell Research, 2018, 28, 187-203.	5.7	46
10	Real-Time Neuronavigation with High-Quality 3D Ultrasound SonoWandÂ® in Pediatric Neurosurgery. Pediatric Neurosurgery, 2007, 43, 185-191.	0.4	42
11	Laparoscopic versus nonâ€“laparoscopic-assisted ventriculoperitoneal shunt placement in adults. A retrospective analysis. World Neurosurgery, 2007, 68, 177-184.	1.3	42
12	Quality of life following epilepsy surgery for children with tuberous sclerosis complex. Epilepsy and Behavior, 2011, 20, 561-565.	0.9	37
13	TROPHY registry study design: a prospective, international multicenter study for the surgical treatment of posthemorrhagic hydrocephalus in neonates. Child's Nervous System, 2019, 35, 613-619.	0.6	33
14	Syringo-Subarachnoid Shunt for the Treatment of Persistent Syringomyelia Following Decompression for Chiari Type I Malformation: Surgical Results. World Neurosurgery, 2017, 108, 836-843.	0.7	32
15	Endoscopic third ventriculostomy in patients with a diminished prepontine interval. Journal of Neurosurgery: Pediatrics, 2010, 5, 250-254.	0.8	30
16	Selective use of intra-catheter endoscopic-assisted ventricular catheter placement: indications and outcome. Child's Nervous System, 2012, 28, 1163-1169.	0.6	30
17	Classical and real-time neuronavigation in pediatric neurosurgery. Child's Nervous System, 2006, 22, 1065-1071.	0.6	29
18	A management strategy for intraventricular subependymal giant cell astrocytomas in tuberous sclerosis complex. Journal of Neurosurgery: Pediatrics, 2014, 13, 21-28.	0.8	29

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19	Multiple Epidural Hematomas and Hemodynamic Collapse Caused by a Subgaleal Drain and Suction-Induced Intracranial Hypotension: Case Report. Neurosurgery, 2011, 68, E271-E276.	0.6	28
20	Treatment failure of syringomyelia associated with Chiari I malformation following foramen magnum decompression: how should we proceed?. Neurosurgical Review, 2019, 42, 705-714.	1.2	28
21	Risk factors and epidemiology of pediatric ventriculoperitoneal shunt infection. Pediatrics International, 2018, 60, 1056-1061.	0.2	27
22	Intraoperative Portable 0.12-Tesla MRI in Pediatric Neurosurgery. Pediatric Neurosurgery, 2006, 42, 74-80.	0.4	25
23	Intraventricular lesions in tuberous sclerosis complex: a possible association with the caudate nucleus. Journal of Neurosurgery: Pediatrics, 2012, 9, 406-413.	0.8	22
24	Pediatric incidental brain tumors: a growing treatment dilemma. Journal of Neurosurgery: Pediatrics, 2012, 10, 168-174.	0.8	22
25	Safety of Staged Epilepsy Surgery in Children. Neurosurgery, 2014, 74, 154-162.	0.6	22
26	The value of multimodality intraoperative neurophysiological monitoring in treating pediatric Chiari malformation type I. Acta Neurochirurgica, 2016, 158, 335-340.	0.9	22
27	Subcortical Mapping Using an Electrified Cavitron UltraSonic Aspirator in Pediatric Supratentorial Surgery. World Neurosurgery, 2017, 101, 357-364.	0.7	21
28	Epilepsy surgery in infants up to 3 months of age: Safety, feasibility, and outcomes: A multicenter, multinational study. Epilepsia, 2021, 62, 1897-1906.	2.6	21
29	MRI internal segmentation of optic pathway gliomas: clinical implementation of a novel algorithm. Child's Nervous System, 2011, 27, 1265-1272.	0.6	20
30	Contrast ventriculo-cisternography: an auxiliary test for suspected fourth ventricular outlet obstruction. Child's Nervous System, 2012, 28, 453-459.	0.6	20
31	Epilepsy control following intracranial monitoring without resection in young children. Epilepsia, 2012, 53, 334-341.	2.6	19
32	True aqueductal tumors: a unique entity. Acta Neurochirurgica, 2015, 157, 169-177.	0.9	19
33	5ALA in pediatric brain tumors is not routinely beneficial. Child's Nervous System, 2017, 33, 787-792.	0.6	18
34	Multiple Brain Developmental Venous Anomalies as a Marker for Constitutional Mismatch Repair Deficiency Syndrome. American Journal of Neuroradiology, 2018, 39, 1943-1946.	1.2	18
35	Modified bilateral subtemporal decompression for resistant slit ventricle syndrome. Child's Nervous System, 2011, 27, 101-110.	0.6	17
36	The ability of high field strength 7-T magnetic resonance imaging to reveal previously uncharacterized brain lesions in patients with tuberous sclerosis complex. Journal of Neurosurgery: Pediatrics, 2013, 11, 268-273.	0.8	17

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37	The ventricular system and choroid plexus as a primary site for renal cell carcinoma metastasis. Acta Neurochirurgica, 2014, 156, 1469-1474.	0.9	17
38	Management of incidental brain tumors in children: a systematic review. Child's Nervous System, 2020, 36, 1607-1619.	0.6	17
39	Ventriculoperitoneal shunt catheter protrusion through the anus: case report of an uncommon complication and literature review. Child's Nervous System, 2011, 27, 2011-2014.	0.6	16
40	Healthâ€related quality of life after postâ€haemorrhagic hydrocephalus in children born preterm. Developmental Medicine and Child Neurology, 2019, 61, 343-349.	1.1	16
41	Endoscopic considerations treating hydrocephalus caused by basal ganglia and large thalamic tumors. , 2015, 6, 56.		16
42	Optic pathwayâ€“hypothalamic glioma hemorrhage: a series of 9 patients and review of the literature. Journal of Neurosurgery, 2018, 129, 1407-1415.	0.9	14
43	Treatment Options for Hydrocephalus Following Foramen Magnum Decompression for Chiari I Malformation: A Multicenter Study. Neurosurgery, 2020, 86, 500-508.	0.6	14
44	Epilepsy surgery in tuberous sclerosis complex (TSC): emerging techniques and redefinition of treatment goals. Child's Nervous System, 2020, 36, 2519-2525.	0.6	14
45	Placement of Ommaya reservoir following endoscopic third ventriculostomy in pediatric hydrocephalic patients: a critical reappraisal. Child's Nervous System, 2011, 27, 749-755.	0.6	13
46	Surgical treatment for cervicomedullary compression among infants with achondroplasia. Child's Nervous System, 2015, 31, 743-750.	0.6	13
47	Endoscope Holders in Cranial Neurosurgery: Part Iâ€”Technology, Trends, and Implications. World Neurosurgery, 2016, 89, 343-354.	0.7	13
48	Syringo-subarachnoid shunt: how I do it. Acta Neurochirurgica, 2019, 161, 367-370.	0.9	13
49	Endoscopic Third Ventriculostomy in Patients with Neurofibromatosis Type 1: A Multicenter International Experience. World Neurosurgery, 2017, 107, 623-629.	0.7	12
50	Watertight Dural Closure in Pediatric Craniotomiesâ€”Is It Really Necessary?. World Neurosurgery, 2018, 114, e743-e746.	0.7	12
51	Intraoperative neurophysiology in pediatric supratentorial surgery: experience with 57 cases. Child's Nervous System, 2020, 36, 315-324.	0.6	12
52	Monogenic Causes of Apparently Idiopathic Perinatal Intracranial Hemorrhage. Annals of Neurology, 2021, 89, 813-822.	2.8	12
53	Over-drainage and persistent shunt-dependency in patients with idiopathic intracranial hypertension treated with shunts and bariatric surgery. , 2015, 6, 655.		12
54	Neurodevelopmental outcomes in children with large temporal arachnoid cysts. Journal of Neurosurgery: Pediatrics, 2018, 21, 578-586.	0.8	11

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55	Automatic segmentation, classification, and followâ€up of optic pathway gliomas using deep learning and fuzzy câ€means clustering based on MRI. Medical Physics, 2020, 47, 5693-5701.	1.6	11
56	Unique findings of subependymal giant cell astrocytoma within cortical tubers in patients with tuberous sclerosis complex: a histopathological evaluation. Child's Nervous System, 2017, 33, 601-607.	0.6	10
57	Malignant transformation of a conservatively managed incidental childhood cerebral mass lesion: controversy regarding management paradigm. Child's Nervous System, 2017, 33, 2169-2175.	0.6	10
58	Incidental brain tumors in children: an international neurosurgical, oncological survey. Child's Nervous System, 2018, 34, 1325-1333.	0.6	10
59	Pineal region tumors: an entity with crucial anatomical nuances. Child's Nervous System, 2021, 37, 383-390.	0.6	10
60	Intracranial Infections Caused by Actinomyces Species. World Neurosurgery, 2010, 74, 261-262.	0.7	9
61	Combined open microsurgical and endoscopic resection of hypothalamic hamartomas. Journal of Neurosurgery: Pediatrics, 2013, 11, 491-494.	0.8	9
62	The impact of neonatal posthemorrhagic hydrocephalus of prematurity on family function at preschool age. Early Human Development, 2019, 137, 104827.	0.8	9
63	Conservative treatment of cysts of the cavum septum pellucidum presenting in childhood: report of 3 cases. Journal of Neurosurgery: Pediatrics, 2015, 16, 283-286.	0.8	8
64	Endoscopic Transseptal Transcaval Interforniceal Approach to the Posterior Third Ventricle in the Presence of Cavum Septum Pellucidum. World Neurosurgery, 2017, 103, 768-771.	0.7	8
65	Group A Streptococcal Brain Abscess in the Pediatric Population. Pediatric Infectious Disease Journal, 2018, 37, 967-970.	1.1	8
66	Retrospective Multicentric Study on Non-Optic CNS Tumors in Children and Adolescents with Neurofibromatosis Type 1. Cancers, 2020, 12, 1426.	1.7	8
67	Peritoneal insertion of shunts in children: comparison between trocar and laparoscopically guided insertion. Child's Nervous System, 2021, 37, 115-123.	0.6	8
68	Acute subdural hematomas in shunted normal-pressure hydrocephalus patients â€“ Management options and literature review: A case-based series. , 2018, 9, 238.		8
69	Spontaneous bleeding into a suprasellar cavernous angioma of a neonate: case report and literature review. Child's Nervous System, 2011, 27, 303-311.	0.6	7
70	Microsurgical fenestration of retrocerebellar cysts as a treatment for syringomyelia. Child's Nervous System, 2012, 28, 653-656.	0.6	7
71	Supratentorial calcified pseudotumour: experience of a single institution and review of the literature. Acta Neurochirurgica, 2014, 156, 1115-1120.	0.9	7
72	The disconnected shunt: a window of opportunities. Child's Nervous System, 2017, 33, 467-473.	0.6	7

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73	Neurofibromatosis Type 1-Related Hydrocephalus: Treatment Options and Considerations. World Neurosurgery, 2019, 128, e664-e668.	0.7	7
74	Direct syrinx drainage in patients with Chiari I malformation. Child's Nervous System, 2019, 35, 1863-1868.	0.6	7
75	E-bike-related cranial injuries in pediatric population. Child's Nervous System, 2019, 35, 1393-1396.	0.6	7
76	The Impact of Colloid Cyst Treatment on Neurocognition. World Neurosurgery, 2019, 125, e372-e377.	0.7	7
77	The interhemispheric approach in children: our experience and review of the literature. Child's Nervous System, 2019, 35, 445-452.	0.6	7
78	Pediatric posterior fossa incidentalomas. Child's Nervous System, 2020, 36, 601-609.	0.6	7
79	Neurofibromatosis type 1â€“related hydrocephalus: causes and treatment considerations. Child's Nervous System, 2020, 36, 2385-2390.	0.6	7
80	Filum terminale lipomasâ€”the role of intraoperative neuromonitoring. Child's Nervous System, 2021, 37, 931-939.	0.6	7
81	Pediatric thalamic incidentalomas: an international retrospective multicenter study. Journal of Neurosurgery: Pediatrics, 2022, 29, 141-149.	0.8	7
82	Ivy sign: a diagnostic and prognostic biomarker for pediatric moyamoya. Journal of Neurosurgery: Pediatrics, 2022, 29, 458-466.	0.8	7
83	Frontosphenoid Synostosis. Journal of Craniofacial Surgery, 2015, 26, 174-175.	0.3	6
84	Giant cranial and cerebellar hemangioma treated with propranolol. Child's Nervous System, 2015, 31, 805-808.	0.6	6
85	Endoscope Holders in Cranial Neurosurgery: Part 2â€”An International Survey. World Neurosurgery, 2018, 111, e632-e643.	0.7	6
86	Prophylactic antiepileptic treatment with levetiracetam for patients undergoing supratentorial brain tumor surgery: a two-center matched cohort study. Neurosurgical Review, 2020, 43, 709-718.	1.2	6
87	Incidental Findings on Brain Magnetic Resonance Imaging (MRI) in Pediatric Endocrine Patients. Endocrine Practice, 2020, 26, 1105-1114.	1.1	6
88	Classification of Pediatric Posterior Fossa Tumors Using Convolutional Neural Network and Tabular Data. IEEE Access, 2021, 9, 91966-91973.	2.6	6
89	Fetal Ventriculomegaly and Hydrocephalus â€“ What Shouldn't be Missed on Imaging?. Neurology India, 2021, 69, 298.	0.2	6
90	Gamma probe localization of cranial bone lesions: technical note. World Neurosurgery, 2004, 61, 585-587.	1.3	5

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91	Traumatic Facial Diplegia and Horner Syndrome: Case Report. European Journal of Trauma and Emergency Surgery, 2007, 33, 425-429.	0.8	5
92	Septal Vein Symmetry: Implications for Endoscopic Septum Pellucidotomy. Operative Neurosurgery, 2010, 67, ons395-ons401.	0.4	5
93	Regeneration of the transected rat sciatic nerve after suturing or adhesion with cyanoacrylate glue. Journal of Neurosurgery, 2011, 114, 245-252.	0.9	5
94	â€œGrowingâ€•Cerebellum in an Infant After Shunt Insertion. Pediatric Neurology, 2015, 52, 222-225.	1.0	5
95	Vascular territorial segmentation and volumetric blood flow measurement using dynamic contrast enhanced magnetic resonance angiography of the brain. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3446-3456.	2.4	5
96	Refractory epilepsy associated with ventriculoperitoneal shunt over-drainage: case report. Child's Nervous System, 2019, 35, 2411-2416.	0.6	5
97	Seizures following surgery for supratentorial extratemporal low-grade tumors in children: a multicenter retrospective study. Journal of Neurosurgery: Pediatrics, 2020, 26, 27-33.	0.8	5
98	Pediatric colloid cysts: a multinational, multicenter study. An IFNE-ISPN-ESPN collaboration. Journal of Neurosurgery: Pediatrics, 2022, 29, 543-550.	0.8	5
99	Current trends in pediatric moyamoya: a survey of international practitioners. Child's Nervous System, 2021, 37, 2011-2023.	0.6	4
100	MRI-based diagnosis and treatment of pediatric brain tumors: is tissue sample always needed?. Child's Nervous System, 2021, 37, 1449-1459.	0.6	4
101	Cerebellar Tumor Extension as a Late Event of Long-standing, Supratentorial Low-grade Gliomas: Case Report. Neurosurgery, 2006, 58, E1210-E1210.	0.6	3
102	Conversion of external ventricular drainage to ventriculo-peritoneal shunt: to change or not to change the proximal catheter?. Child's Nervous System, 2017, 33, 1947-1952.	0.6	3
103	Use of EOS Low-Dose Biplanar X-Ray for Shunt Series in Children with Hydrocephalus: A Preliminary Study. World Neurosurgery, 2018, 116, e273-e277.	0.7	3
104	The value of cerebrospinal fluid lactate levels in diagnosing CSF infections in pediatric neurosurgical patients. Child's Nervous System, 2019, 35, 1147-1153.	0.6	3
105	The Added Value of Magnetic Resonance Imaging Cisternography and Ventriculography as a Diagnostic Aid in Pediatric Hydrocephalus. Pediatric Neurosurgery, 2019, 54, 165-172.	0.4	3
106	Filum terminale lipomas â€“ the role of intraoperative neuromonitoring. Child's Nervous System, 2020, 36, 2897-2898.	0.6	3
107	Aborting a neurosurgical procedure: analyzing the decision factors, with endoscopic third ventriculostomy as a model. Child's Nervous System, 2020, 36, 919-924.	0.6	3
108	Surgical treatment and outcome of posterior fossa arachnoid cysts in infants. Journal of Neurosurgery: Pediatrics, 2021, 28, 544-552.	0.8	3

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109	Posterior Fossa Tumours in the First Year of Life: A Two-Centre Retrospective Study. Diagnostics, 2022, 12, 635.	1.3	3
110	Brain injuries caused by spherical bolts. Journal of Neurosurgery, 2005, 102, 864-869.	0.9	2
111	Stereotactic biopsy complicated by pneumocephalus and acute pulmonary edema. World Neurosurgery, 2007, 68, 573-576.	1.3	2
112	Letter to the Editor: Evoked potentials and Chiari malformation Type 1. Journal of Neurosurgery, 2017, 126, 654-657.	0.9	2
113	Value of Cerebrospinal Fluid Lactate Levels in Diagnosing Shunt Infections in Pediatric Patients. World Neurosurgery, 2019, 129, e207-e215.	0.7	2
114	Pseudo-spontaneous third ventriculostomy. Child's Nervous System, 2019, 35, 1107-1108.	0.6	2
115	The Clinical Utility of Inpatient Brain Magnetic Resonance Imaging in Children. Journal of Child Neurology, 2020, 35, 744-752.	0.7	2
116	â€˜Every patient is like my childâ€™: pediatric neurosurgeonsâ€™ relational and emotional bonds with their patients and families. British Journal of Neurosurgery, 2021, , 1-5.	0.4	2
117	Mature teratoma splitting the brainstem in a newborn: case report. Journal of Neurosurgery: Pediatrics, 2019, 24, 371-375.	0.8	2
118	Neurofibromatosis Type 1 Related Hydrocephalus. Neurology India, 2021, 69, 372.	0.2	2
119	Pediatric neurosurgeons' philosophical approaches to making intraoperative decisions when encountering an uncertainty or a complication while operating on children. Journal of Neurosurgery: Pediatrics, 2021, , 1-10.	0.8	2
120	Cerebral cavernous malformations in the pediatric age group. Innovative Neurosurgery, 2013, 1, .	0.1	1
121	How Do Pediatric Neurosurgeons Make Intraoperative Decisions?. World Neurosurgery, 2021, 150, e353-e360.	0.7	1
122	Can Good Intraoperative Judgement Be Taught?: Pediatric Neurosurgeonsâ€™ Pedagogical Approaches to Training Residents on Intraoperative Decision-Making. Journal of Surgical Education, 2021, 78, 1492-1499.	1.2	1
123	The Role of 3D Reconstruction of the Skull in Patients with Suspected Shunt Malfunction. Pediatric Neurosurgery, 2021, 56, 110-115.	0.4	1
124	Neurodevelopmental outcome of children born with an isolated atretic cephalocele. Child's Nervous System, 2021, 37, 1295-1300.	0.6	1
125	Illustrated dynamic stories behind pediatric neurosurgery. , 2019, 10, 178.		1
126	Low-Grade Pediatric Brainstem Gliomas. , 2020, , 131-144.		1

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127	Fulminant Acute Disseminated Encephalomyelitis: A Remarkable Outcome with Cyclophosphamide. Journal of Pediatric Neurology, 2021, 19, 270-275.	0.0	1
128	Occipital cephalohematomaâ€”a rare pathology. Child's Nervous System, 2016, 32, 2057-2058.	0.6	0
129	X-rays for diagnosis of craniosynostosis. Child's Nervous System, 2016, 32, 13-13.	0.6	0
130	Hydrocephalus Caused by Basal Ganglia, Thalamic, and Suprasellar Tumors. , 2018, , 1-11.		0
131	Absorbable plate degradation mimicking local abscess: letter to the editor. Child's Nervous System, 2019, 35, 2259-2260.	0.6	0
132	Hydrocephalus and Brain Tumors. , 2019, , 199-217.		0
133	MBCL-17. METASTATIC MEDULLOBLASTOMA CAN BE CURED WITHOUT EXCISION OF THE PRIMARY TUMOR: A SINGLE CENTER EXPERIENCE. Neuro-Oncology, 2020, 22, iii391-iii391.	0.6	0
134	The role of ICP monitoring in paediatric IIH. Child's Nervous System, 2020, 36, 3027-3033.	0.6	0
135	Dynamic mapping using an electrified ultrasonic aspirator in lipomyelomeningocele and spinal cord detethering surgeryâ€”a feasibility study. Child's Nervous System, 2021, 37, 1633-1639.	0.6	0
136	Hydrocephalus Caused by Basal Ganglia, Thalamic, and Suprasellar Tumors. , 2019, , 773-781.		0
137	Bradycardia Without Hypertension. Pediatric Emergency Care, 2020, Publish Ahead of Print, .	0.5	0
138	Factors That Influence Intraoperative Decision-Making among Pediatric Neurosurgeons: A Grounded Theory Study. Pediatric Neurosurgery, 2022, 57, 102-111.	0.4	0
139	HGG-04. Intramedullary spinal high grade glioma with ALK fusion and excellent response to targeted treatment with alectinib: case report. Neuro-Oncology, 2022, 24, i60-i60.	0.6	0
140	DDEL-03. The use of programmable valves as a vehicle for intrathecal chemotherapy delivery in infants with CNS tumors and hydrocephalus.. Neuro-Oncology, 2022, 24, i34-i34.	0.6	0