Samuel R Browd

List of Publications by Year
in descending order

68 papers	2,794 citations	159585 30 h-index	182427 51 g-index
69 all docs	69 docs citations	69 times ranked	2405 citing authors

#	Article	IF	Citations
1	Failure of Cerebrospinal Fluid Shunts: Part I: Obstruction and Mechanical Failure. Pediatric Neurology, 2006, 34, 83-92.	2.1	246
2	Risk factors for shunt malfunction in pediatric hydrocephalus: a multicenter prospective cohort study. Journal of Neurosurgery: Pediatrics, 2016, 17, 382-390.	1.3	188
3	Cerebrospinal Fluid Shunting Complications in Children. Pediatric Neurosurgery, 2017, 52, 381-400.	0.7	153
4	Failure of Cerebrospinal Fluid Shunts: Part II: Overdrainage, Loculation, and Abdominal Complications. Pediatric Neurology, 2006, 34, 171-176.	2.1	148
5	Outcomes of CSF shunting in children: comparison of Hydrocephalus Clinical Research Network cohort with historical controls. Journal of Neurosurgery: Pediatrics, 2013, 12, 334-338.	1.3	132
6	Endoscopic third ventriculostomy and choroid plexus cauterization in infants with hydrocephalus: a retrospective Hydrocephalus Clinical Research Network study. Journal of Neurosurgery: Pediatrics, 2014, 14, 224-229.	1.3	129
7	Risk Factors for First Cerebrospinal Fluid Shunt Infection: Findings from a Multi-Center Prospective Cohort Study. Journal of Pediatrics, 2014, 164, 1462-1468.e2.	1.8	105
8	A new Hydrocephalus Clinical Research Network protocol to reduce cerebrospinal fluid shunt infection. Journal of Neurosurgery: Pediatrics, 2016, 17, 391-396.	1.3	105
9	Endoscopic third ventriculostomy in children: prospective, multicenter results from the Hydrocephalus Clinical Research Network. Journal of Neurosurgery: Pediatrics, 2016, 18, 423-429.	1.3	100
10	Use of the ETV Success Score to explain the variation in reported endoscopic third ventriculostomy success rates among published case series of childhood hydrocephalus. Journal of Neurosurgery: Pediatrics, 2011, 7, 143-146.	1.3	97
11	Surgical shunt infection: significant reduction when using intraventricular and systemic antibiotic agents. Journal of Neurosurgery, 2006, 105, 242-247.	1.6	94
12	An update on research priorities in hydrocephalus: overview of the third National Institutes of Health-sponsored symposium â€œOpportunities for Hydrocephalus Research: Pathways to Better Outcomesâ€• Journal of Neurosurgery, 2015, 123, 1427-1438.	1.6	87
13	N-myc Can Substitute for Insulin-Like Growth Factor Signaling in a Mouse Model of Sonic Hedgehogâ€“Induced Medulloblastoma. Cancer Research, 2006, 66, 2666-2672.	0.9	84
14	Endoscopic third ventriculostomy and choroid plexus cauterization in infant hydrocephalus: a prospective study by the Hydrocephalus Clinical Research Network. Journal of Neurosurgery: Pediatrics, 2018, 21, 214-223.	1.3	66
15	Diffusion tensor imaging of the superior cerebellar peduncle identifies patients with posterior fossa syndrome. Child's Nervous System, 2013, 29, 2071-2077.	1.1	65
16	New and improved ways to treat hydrocephalus: Pursuit of a smart shunt. , 2013, 4, 38.		60
17	Left-hemisphere processing of emotional connotation during word generation. NeuroReport, 1999, 10, 2449-2455.	1.2	54
18	Image-guided cerebrospinal fluid shunting in children: catheter accuracy and shunt survival. Journal of Neurosurgery: Pediatrics, 2012, 10, 112-117.	1.3	49

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19	Low-dose head computed tomography in children: a single institutional experience in pediatric radiation risk reduction. Journal of Neurosurgery: Pediatrics, 2013, 12, 406-410.	1.3	47
20	Functional magnetic resonance imaging for presurgical evaluation of very young pediatric patients with epilepsy. Journal of Neurosurgery: Pediatrics, 2010, 5, 500-506.	1.3	46
21	Semantic monitoring of words with emotional connotation during fMRI: Contribution of anterior left frontal cortex. Journal of the International Neuropsychological Society, 2002, 8, 607-622.	1.8	43
22	Progress in diffuse intrinsic pontine glioma: advocating for stereotactic biopsy in the standard of care. Neurosurgical Focus, 2020, 48, E4.	2.3	43
23	Center effect and other factors influencing temporization and shunting of cerebrospinal fluid in preterm infants with intraventricular hemorrhage. Journal of Neurosurgery: Pediatrics, 2012, 9, 473-481.	1.3	41
24	Ventricular catheter entry site and not catheter tip location predicts shunt survival: a secondary analysis of 3 large pediatric hydrocephalus studies. Journal of Neurosurgery: Pediatrics, 2017, 19, 157-167.	1.3	39
25	Predictors of success for combined endoscopic third ventriculostomy and choroid plexus cauterization in a North American setting: a Hydrocephalus Clinical Research Network study. Journal of Neurosurgery: Pediatrics, 2019, 24, 128-138.	1.3	38
26	The posterior petrosal approach: technique and applications in pediatric neurosurgery. Journal of Neurosurgery: Pediatrics, 2009, 4, 353-362.	1.3	36
27	Craniopagus twins: embryology, classification, surgical anatomy, and separation. Child's Nervous System, 2004, 20, 554-66.	1.1	33
28	Prevalence of Abnormal Magnetic Resonance Imaging Findings in Children with Persistent Symptoms after Pediatric Sports-Related Concussion. Journal of Neurotrauma, 2017, 34, 2706-2712.	3.4	33
29	Reduced cell attachment to poly(2â€hydroxyethyl methacrylate)â€coated ventricular catheters in vitro. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1268-1279.	3.4	33
30	Craniopagus twins. Journal of Neurosurgery: Pediatrics, 2008, 1, 1-20.	1.3	32
31	Longitudinal cerebellar diffusion tensor imaging changes in posterior fossa syndrome. NeuroImage: Clinical, 2016, 12, 582-590.	2.7	31
32	Two Hundred Thirty-Six Children With Developmental Hydrocephalus: Causes and Clinical Consequences. Journal of Child Neurology, 2016, 31, 309-320.	1.4	30
33	Toward a better understanding of the cellular basis for cerebrospinal fluid shunt obstruction: report on the construction of a bank of explanted hydrocephalus devices. Journal of Neurosurgery: Pediatrics, 2016, 18, 213-223.	1.3	25
34	Evaluation of Microbial Bacterial and Fungal Diversity in Cerebrospinal Fluid Shunt Infection. PLoS ONE, 2014, 9, e83229.	2.5	21
35	Variability in Management of First Cerebrospinal Fluid Shunt Infection: A Prospective Multi-Institutional Observational Cohort Study. Journal of Pediatrics, 2016, 179, 185-191.e2.	1.8	21
36	Post-Traumatic Hydrocephalus in Children: A Retrospective Study in 42 Pediatric Hospitals Using the Pediatric Health Information System. Neurosurgery, 2018, 83, 732-739.	1.1	21

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37	Children with DIPG and high-grade glioma treated with temozolomide, irinotecan, and bevacizumab: the Seattle Childrenâ€™s Hospital experience. Journal of Neuro-Oncology, 2020, 148, 607-617.	2.9	21
38	Failed age-dependent maturation of the occipital condyle in patients with congenital occipitoatlantal instability and Down syndrome: a preliminary analysis. Journal of Neurosurgery: Pediatrics, 2008, 2, 359-364.	1.3	20
39	Initial clinical presentation of children with acute and chronic versus acute subdural hemorrhage resulting from abusive head trauma. Journal of Neurosurgery: Pediatrics, 2015, 16, 177-185.	1.3	20
40	Reinfection after treatment of first cerebrospinal fluid shunt infection: a prospective observational cohort study. Journal of Neurosurgery: Pediatrics, 2018, 21, 346-358.	1.3	16
41	Corticospinal tract atrophy and motor fMRI predict motor preservation after functional cerebral hemispherectomy. Journal of Neurosurgery: Pediatrics, 2018, 21, 81-89.	1.3	16
42	Patient and Treatment Characteristics by Infecting Organism in Cerebrospinal Fluid Shunt Infection. Journal of the Pediatric Infectious Diseases Society, 2019, 8, 235-243.	1.3	12
43	Subdural hemorrhage rebleeding in abused children: frequency, associations and clinical presentation. Pediatric Radiology, 2019, 49, 1762-1772.	2.0	12
44	The role of intra-operative neuroelectrophysiological monitoring in single-level approach selective dorsal rhizotomy. Child's Nervous System, 2020, 36, 1925-1933.	1.1	10
45	Ultrasound stylet for non-image-guided ventricular catheterization. Journal of Neurosurgery: Pediatrics, 2015, 16, 393-401.	1.3	8
46	Development of best practices to minimize wound complications after complex tethered spinal cord surgery: a modified Delphi study. Journal of Neurosurgery: Pediatrics, 2018, 22, 701-709.	1.3	8
47	Predictors of fast and ultrafast shunt failure in pediatric hydrocephalus: a Hydrocephalus Clinical Research Network study. Journal of Neurosurgery: Pediatrics, 2021, 27, 277-286.	1.3	8
48	Development of best practices in the utilization and implementation of pediatric cervical spine traction: a modified Delphi study. Journal of Neurosurgery: Pediatrics, 2021, 27, 649-660.	1.3	6
49	Multimodality Imaging Evaluation of Fetal Spine Anomalies with Postnatal Correlation. Radiographics, 2021, 41, 2176-2192.	3.3	6
50	Impact of ventricle size on neuropsychological outcomes in treated pediatric hydrocephalus: an HCRN prospective cohort study. Journal of Neurosurgery: Pediatrics, 2022, 29, 245-256.	1.3	6
51	The Hydrocephalus Clinical Research Network quality improvement initiative: the role of antibiotic-impregnated catheters and vancomycin wound irrigation. Journal of Neurosurgery: Pediatrics, 2022, 29, 711-718.	1.3	6
52	Issues of consent and assent in pediatric neurosurgery. Child's Nervous System, 2021, 37, 33-37.	1.1	5
53	Repeat Pediatric Trisomy 21 Radiographic Exam: Does Atlantoaxial Instability Develop Over Time?. Journal of Pediatric Orthopaedics, 2021, 41, e646-e650.	1.2	5
54	Machine Learning and the Prediction of Hydrocephalus. JAMA Pediatrics, 2018, 172, 116.	6.2	4

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55	Temporal trends in surgical procedures for pediatric hydrocephalus: an analysis of the Hydrocephalus Clinical Research Network Core Data Project. Journal of Neurosurgery: Pediatrics, 2020, , 1-8.	1.3	4
56	Anterior versus posterior entry site for ventriculoperitoneal shunt insertion: a randomized controlled trial by the Hydrocephalus Clinical Research Network. Journal of Neurosurgery: Pediatrics, 2022, 29, 257-267.	1.3	4
57	A physical framework for implementing virtual models of intracranial pressure and cerebrospinal fluid dynamics in hydrocephalus shunt testing. Journal of Neurosurgery: Pediatrics, 2016, 18, 296-305.	1.3	3
58	A Protocol for the Generation of Treatment-naÃ¨ve Biopsyderived Diffuse Intrinsic Pontine Glioma and Diffuse Midline Glioma Models. , 2020, 1, 158-167.		3
59	Medicolegal issues in abusive head trauma for the pediatric neurosurgeon. Neurosurgical Focus, 2020, 49, E23.	2.3	3
60	Reinfection rates following adherence to Infectious Diseases Society of America guideline recommendations in first cerebrospinal fluid shunt infection treatment. Journal of Neurosurgery: Pediatrics, 2019, 23, 577-585.	1.3	2
61	Technical Advances in theÂTreatment of Hydrocephalus: Current and Future State. , 2019, , 363-380.		2
62	Craniopagus Twins. , 2011, , 1928-1935.		2
63	An algorithmic approach to the management of unrecognized hydrocephalus in pediatric candidates for intrathecal baclofen pump implantation. , 2016, 7, 105.		2
64	Advocacy in pediatric neurosurgery: results from a 2017 survey of the American Society of Pediatric Neurosurgeons. Journal of Neurosurgery: Pediatrics, 2019, 24, 338-342.	1.3	2
65	Surgical Considerations of the Pituitary. , 2018, , 439-448.		1
66	Hydrocephalus in Children. , 2018, , 133-147.e3.		1
67	The pediatric â€œSpine at Riskâ€•program: 9-year review of a novel safety screening tool. Spine Deformity, 2022, 10, 327-334.	1.5	1
68	Hydrocephalus surveillance following CSF diversion: a modified Delphi study. Journal of Neurosurgery: Pediatrics, 2022, 30, 177-187.	1.3	0