

# David D Limbrick

## List of Publications by Year in descending order

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66  
papers

1,859  
citations

394421

19  
h-index

302126

39  
g-index

68  
all docs

68  
docs citations

68  
times ranked

2197  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrocephalus in children. <i>Lancet, The</i> , 2016, 387, 788-799.	13.7	432
2	Hemispherotomy: efficacy and analysis of seizure recurrence. <i>Journal of Neurosurgery: Pediatrics</i> , 2009, 4, 323-332.	1.3	145
3	Inflammation in acquired hydrocephalus: pathogenic mechanisms and therapeutic targets. <i>Nature Reviews Neurology</i> , 2020, 16, 285-296.	10.1	107
4	Neurosurgical treatment of progressive posthemorrhagic ventricular dilation in preterm infants: a 10-year single-institution study. <i>Journal of Neurosurgery: Pediatrics</i> , 2010, 6, 224-230.	1.3	93
5	Pediatric hydrocephalus: systematic literature review and evidence-based guidelines. Part 4: Cerebrospinal fluid shunt or endoscopic third ventriculostomy for the treatment of hydrocephalus in children. <i>Journal of Neurosurgery: Pediatrics</i> , 2014, 14, 30-34.	1.3	87
6	Exome sequencing implicates genetic disruption of prenatal neuro-gliogenesis in sporadic congenital hydrocephalus. <i>Nature Medicine</i> , 2020, 26, 1754-1765.	30.7	84
7	Ventricular Zone Disruption in Human Neonates With Intraventricular Hemorrhage. <i>Journal of Neuropathology and Experimental Neurology</i> , 2017, 76, 358-375.	1.7	83
8	Neonatal brain injury and aberrant connectivity. <i>NeuroImage</i> , 2019, 185, 609-623.	4.2	58
9	Integration of resting state functional MRI into clinical practice - A large single institution experience. <i>PLoS ONE</i> , 2018, 13, e0198349.	2.5	54
10	Combined surgical resection and stereotactic radiosurgery for treatment of cerebral metastases. <i>World Neurosurgery</i> , 2009, 71, 280-288.	1.3	44
11	Management of Post-hemorrhagic Ventricular Dilatation in the Infant Born Preterm. <i>Journal of Pediatrics</i> , 2020, 226, 16-27.e3.	1.8	43
12	<i>Paenibacillus</i> infection with frequent viral coinfection contributes to postinfectious hydrocephalus in Ugandan infants. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	39
13	Risks and outcomes of spinal deformity surgery in Chiari malformation, Type 1, with syringomyelia versus adolescent idiopathic scoliosis. <i>Spine Journal</i> , 2015, 15, 2002-2008.	1.3	34
14	Altered neonatal white and gray matter microstructure is associated with neurodevelopmental impairments in very preterm infants with high-grade brain injury. <i>Pediatric Research</i> , 2019, 86, 365-374.	2.3	32
15	Treatment of pediatric intracranial aneurysms: case series and meta-analysis. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 257-264.	3.3	30
16	Hemispherotomy in children with electrical status epilepticus of sleep. <i>Journal of Neurosurgery: Pediatrics</i> , 2017, 19, 56-62.	1.3	25
17	Surgical management of symptomatic Chiari II malformation in infants and children. <i>Child's Nervous System</i> , 2013, 29, 1143-1154.	1.1	24
18	Lumbar Cerebrospinal Fluid Biomarkers of Posthemorrhagic Hydrocephalus of Prematurity: Amyloid Precursor Protein, Soluble Amyloid Precursor Protein $\beta_{1-42}$ , and L1 Cell Adhesion Molecule. <i>Neurosurgery</i> , 2017, 80, 82-90.	1.1	24

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19	Simulation in Neurosurgery. <i>Neurosurgery</i> , 2013, 73, S1-S3.	1.1	22
20	Resting state signal latency predicts laterality in pediatric medically refractory temporal lobe epilepsy. <i>Child's Nervous System</i> , 2018, 34, 901-910.	1.1	22
21	Abnormal structural connectivity in the brain networks of children with hydrocephalus. <i>NeuroImage: Clinical</i> , 2015, 8, 483-492.	2.7	21
22	Evaluation of pediatric glioma outcomes using intraoperative MRI: a multicenter cohort study. <i>Journal of Neuro-Oncology</i> , 2019, 143, 271-280.	2.9	20
23	Palliative epilepsy surgery in Dravet syndrome—case series and review of the literature. <i>Child's Nervous System</i> , 2016, 32, 1703-1708.	1.1	19
24	Cerebrospinal Fluid Biomarkers of Pediatric Hydrocephalus. <i>Pediatric Neurosurgery</i> , 2017, 52, 426-435.	0.7	19
25	MR diffusion changes in the perimeter of the lateral ventricles demonstrate periventricular injury in post-hemorrhagic hydrocephalus of prematurity. <i>NeuroImage: Clinical</i> , 2019, 24, 102031.	2.7	19
26	Robust deep learning classification of adamantinomatous craniopharyngioma from limited preoperative radiographic images. <i>Scientific Reports</i> , 2020, 10, 16885.	3.3	19
27	Dural augmentation approaches and complication rates after posterior fossa decompression for Chiari I malformation and syringomyelia: a Park-Reeves Syringomyelia Research Consortium study. <i>Journal of Neurosurgery: Pediatrics</i> , 2021, 27, 459-468.	1.3	19
28	Occipital-Cervical Fusion and Ventral Decompression in the Surgical Management of Chiari-1 Malformation and Syringomyelia: Analysis of Data From the Park-Reeves Syringomyelia Research Consortium. <i>Neurosurgery</i> , 2021, 88, 332-341.	1.1	18
29	Predictors of mortality for preterm infants with intraventricular hemorrhage: a population-based study. <i>Child's Nervous System</i> , 2018, 34, 2203-2213.	1.1	17
30	Development of Common Data Elements for Use in Chiari Malformation Type I Clinical Research: An NIH/NINDS Project. <i>Neurosurgery</i> , 2019, 85, 854-860.	1.1	16
31	Radiological and clinical associations with scoliosis outcomes after posterior fossa decompression in patients with Chiari malformation and syrinx from the Park-Reeves Syringomyelia Research Consortium. <i>Journal of Neurosurgery: Pediatrics</i> , 2020, 26, 53-59.	1.3	13
32	Endoscopic Third Ventriculostomy in Patients with Neurofibromatosis Type 1: A Multicenter International Experience. <i>World Neurosurgery</i> , 2017, 107, 623-629.	1.3	12
33	New insights into the management of post-hemorrhagic hydrocephalus. <i>Seminars in Perinatology</i> , 2022, 46, 151597.	2.5	11
34	Left hemisphere structural connectivity abnormality in pediatric hydrocephalus patients following surgery. <i>NeuroImage: Clinical</i> , 2016, 12, 631-639.	2.7	10
35	Growth and alignment of the pediatric subaxial cervical spine following rigid instrumentation and fusion: a multicenter study of the Pediatric Craniocervical Society. <i>Journal of Neurosurgery: Pediatrics</i> , 2018, 22, 81-88.	1.3	10
36	Immune activation during <i>Paenibacillus</i> brain infection in African infants with frequent cytomegalovirus co-infection. <i>IScience</i> , 2021, 24, 102351.	4.1	10

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37	Complications and outcomes of posterior fossa decompression with duraplasty versus without duraplasty for pediatric patients with Chiari malformation type I and syringomyelia: a study from the Park-Reeves Syringomyelia Research Consortium. <i>Journal of Neurosurgery: Pediatrics</i> , 2022, 30, 39-51.	1.3	10
38	Radiological and clinical predictors of scoliosis in patients with Chiari malformation type I and spinal cord syrinx from the Park-Reeves Syringomyelia Research Consortium. <i>Journal of Neurosurgery: Pediatrics</i> , 2019, 24, 520-527.	1.3	9
39	Time-to-event analysis of surgically treated posthemorrhagic hydrocephalus in preterm infants: a single-institution retrospective study. <i>Child's Nervous System</i> , 2017, 33, 1917-1926.	1.1	8
40	Development of best practices to minimize wound complications after complex tethered spinal cord surgery: a modified Delphi study. <i>Journal of Neurosurgery: Pediatrics</i> , 2018, 22, 701-709.	1.3	8
41	Using Histopathology to Assess the Reliability of Intraoperative Magnetic Resonance Imaging in Guiding Additional Brain Tumor Resection: A Multicenter Study. <i>Neurosurgery</i> , 2021, 88, E49-E59.	1.1	8
42	Predictors of intracranial hypertension in children undergoing ICP monitoring after severe traumatic brain injury. <i>Child's Nervous System</i> , 2020, 36, 1453-1460.	1.1	8
43	Electronic clinical decision support for children with minor head trauma and intracranial injuries: a sociotechnical analysis. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 161.	3.0	8
44	Microstructural Periventricular White Matter Injury in Post-hemorrhagic Ventricular Dilatation. <i>Neurology</i> , 2022, 98, .	1.1	8
45	Foreword: Pediatric hydrocephalus: systematic literature review and evidence-based guidelines. <i>Journal of Neurosurgery: Pediatrics</i> , 2014, 14, 1-2.	1.3	6
46	Analysis and interrater reliability of pB-C2 using MRI and CT: data from the Park-Reeves Syringomyelia Research Consortium on behalf of the Pediatric Craniocervical Society. <i>Journal of Neurosurgery: Pediatrics</i> , 2017, 20, 170-175.	1.3	6
47	Development of best practices in the utilization and implementation of pediatric cervical spine traction: a modified Delphi study. <i>Journal of Neurosurgery: Pediatrics</i> , 2021, 27, 649-660.	1.3	6
48	A multicenter validation of the condylarâ€C2 sagittal vertical alignment in Chiari malformation type I: a study using the Park-Reeves Syringomyelia Research Consortium. <i>Journal of Neurosurgery: Pediatrics</i> , 2021, , 1-7.	1.3	6
49	Tract-Specific Relationships Between Cerebrospinal Fluid Biomarkers and Periventricular White Matter in Posthemorrhagic Hydrocephalus of Prematurity. <i>Neurosurgery</i> , 2021, 88, 698-706.	1.1	6
50	Chiari I Malformation: Adult and Pediatric Considerations. <i>Neurosurgery Clinics of North America</i> , 2015, 26, xiii-xiv.	1.7	5
51	Transcriptional analyses of adult and pediatric adamantinomatous craniopharyngioma reveals similar expression signatures regarding potential therapeutic targets. <i>Acta Neuropathologica Communications</i> , 2020, 8, 68.	5.2	5
52	The baric probe: a novel long-term implantable intracranial pressure monitor with ultrasound-based interrogation. <i>Journal of Neurosurgery: Pediatrics</i> , 2012, 10, 518-524.	1.3	4
53	Widely Metastatic Choroid Plexus Carcinoma Associated with Novel TP53 Somatic Mutation. <i>World Neurosurgery</i> , 2018, 119, 233-236.	1.3	4
54	Genetic and histopathological associations with outcome in pediatric pilocytic astrocytoma. <i>Journal of Neurosurgery: Pediatrics</i> , 2022, 29, 504-512.	1.3	3

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55	Nonoperative Management of Childhood Calvarial Langerhans-Cell Histiocytosis. <i>New England Journal of Medicine</i> , 2022, 386, 2532-2534.	27.0	3
56	NS-14A PILOT STUDY OF USING MRI-GUIDED LASER HEAT ABLATION TO INDUCE DISRUPTION OF THE PERITUMORAL BLOOD BRAIN BARRIER TO ENHANCE DELIVERY AND EFFICACY OF TREATMENT OF PEDIATRIC BRAIN TUMORS. <i>Neuro-Oncology</i> , 2016, 18, iii129.5-iii130.	1.2	1
57	EPCT-07. Updated report on the pilot study of using MRI-guided laser heat ablation to induce disruption of the peritumoral blood brain barrier to enhance deliver and efficacy of treatment of pediatric brain tumors. <i>Neuro-Oncology</i> , 2022, 24, i37-i37.	1.2	1
58	Elevated cerebrospinal fluid iron and ferritin associated with early severe ventriculomegaly in preterm posthemorrhagic hydrocephalus. <i>Journal of Neurosurgery: Pediatrics</i> , 2022, 30, 169-176.	1.3	1
59	LGG-32. EVALUATION OF PEDIATRIC GLIOMA OUTCOME USING INTRAOPERATIVE MRI: A COHORT STUDY USING I-MiND (IMRIS MULTICENTER iMRI NEUROSURGERY DATABASE). <i>Neuro-Oncology</i> , 2018, 20, i111-i111.	1.2	0
60	Semi-automated segmentation of the lateral periventricular regions using diffusion magnetic resonance imaging. <i>MethodsX</i> , 2020, 7, 101023.	1.6	0
61	QOL-22. MACHINE-LEARNING INFERENCE MAY PREDICT QUALITY OF LIFE SUBGROUPS OF ADAMANTINOMATOUS CRANIOPHARYNGIOMA. <i>Neuro-Oncology</i> , 2020, 22, iii435-iii435.	1.2	0
62	RARE-11. QUANTITATIVE MR IMAGING FEATURES ASSOCIATED WITH UNIQUE TRANSCRIPTIONAL CHARACTERISTICS IN PEDIATRIC ADAMANTINOMATOUS CRANIOPHARYNGIOMA: A POTENTIAL GUIDE FOR THERAPY. <i>Neuro-Oncology</i> , 2020, 22, iii443-iii444.	1.2	0
63	SURG-12. PREDICTORS OF SURVIVAL AND UTILITY OF INTRAOPERATIVE MRI FOR RESECTION OF GRADE II ASTROCYTOMAS AND OLIGODENDROGLIOMAS: A MULTICENTER ANALYSIS. <i>Neuro-Oncology</i> , 2020, 22, ii205-ii206.	1.2	0
64	RONC-12. Evaluation of brain network segregation using resting state functional MRI in pediatric brain tumor patients treated with proton beam therapy. <i>Neuro-Oncology</i> , 2022, 24, i179-i179.	1.2	0
65	LINC-08. Neuro-Oncology tumor board "one-year experience of international collaboration. <i>Neuro-Oncology</i> , 2022, 24, i163-i164.	1.2	0
66	OTHR-15. Papillary tumor of the pineal region: case series of this rare pediatric entity. <i>Neuro-Oncology</i> , 2022, 24, i150-i150.	1.2	0