

# Nalin Gupta

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

84  
papers

5,748  
citations

35  
h-index

75  
g-index

92  
ext. papers

7,215  
ext. citations

8.8  
avg, IF

5.18  
L-index

#	Paper	IF	Citations
84	A single-cell atlas of the normal and malformed human brain vasculature.. <i>Science</i> , <b>2022</b> , 375, eabi7377	33.3	6
83	Validation of the Ruptured Arteriovenous Malformation Grading Scale in a pediatric cohort.. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2022</b> , 1-5	2.1	0
82	Socioeconomic factors associated with pediatric moyamoya disease hospitalizations: a nationwide cross-sectional study.. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2022</b> , 1-10	2.1	
81	A Type II Split Cord Malformation in an Adult Patient: An Operative Case Report. <i>Operative Neurosurgery</i> , <b>2021</b> , 20, E148-E151	1.6	0
80	Functional role of brain-engrafted macrophages against brain injuries. <i>Journal of Neuroinflammation</i> , <b>2021</b> , 18, 232	10.1	1
79	Pathologic Findings Associated With a Case of Acute Flaccid Myelitis. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2021</b> , 80, 484-487	3.1	
78	Prenatal Repair and Physical Functioning Among Children With Myelomeningocele: A Secondary Analysis of a Randomized Clinical Trial. <i>JAMA Pediatrics</i> , <b>2021</b> , 175, e205674	8.3	9
77	Gene therapy for aromatic L-amino acid decarboxylase deficiency by MR-guided direct delivery of AAV2-AAADC to midbrain dopaminergic neurons. <i>Nature Communications</i> , <b>2021</b> , 12, 4251	17.4	18
76	Occult Brain Arteriovenous Malformation Superimposed on a Pial Arteriovenous Fistula: Case Report. <i>Pediatric Neurosurgery</i> , <b>2021</b> , 56, 549-554	0.9	0
75	Subgroup and subtype-specific outcomes in adult medulloblastoma. <i>Acta Neuropathologica</i> , <b>2021</b> , 142, 859-871	14.3	2
74	Pediatric moyamoya MRI score: an imaging-based scale to predict outcomes in surgically treated pediatric patients with moyamoya. <i>Neurosurgical Focus</i> , <b>2021</b> , 51, E8	4.2	0
73	Diffuse hemispheric glioma, H3 G34-mutant: Genomic landscape of a new tumor entity and prospects for targeted therapy. <i>Neuro-Oncology</i> , <b>2021</b> , 23, 1974-1976	1	1
72	Factors associated with seizures at initial presentation in pediatric patients with cerebral arteriovenous malformations. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2021</b> , 1-6	2.1	2
71	Embryology of Spinal Dysraphism and its Relationship to Surgical Treatment. <i>Canadian Journal of Neurological Sciences</i> , <b>2020</b> , 47, 736-746	1	1
70	MR Imaging Correlates for Molecular and Mutational Analyses in Children with Diffuse Intrinsic Pontine Glioma. <i>American Journal of Neuroradiology</i> , <b>2020</b> , 41, 874-881	4.4	10
69	Meningiomas in children. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2020</b> , 169, 253-259	3	2
68	High-Flow Vascular Malformations in Children. <i>Seminars in Neurology</i> , <b>2020</b> , 40, 303-314	3.2	4

67	Gliomas arising in the setting of Li-Fraumeni syndrome stratify into two molecular subgroups with divergent clinicopathologic features. <i>Acta Neuropathologica</i> , <b>2020</b> , 139, 953-957	14.3	5
66	Pattern of Relapse and Treatment Response in WNT-Activated Medulloblastoma. <i>Cell Reports Medicine</i> , <b>2020</b> , 1,	18	11
65	Prenatal Repair of Myelomeningocele and School-age Functional Outcomes. <i>Pediatrics</i> , <b>2020</b> , 145,	7.4	42
64	DIPG-73. SENESENCE ASSOCIATED SECRETORY PHENOTYPE AS A MECHANISM OF RESISTANCE AND THERAPEUTIC VULNERABILITY IN BMI1 INHIBITOR TREATED DIPG. <i>Neuro-Oncology</i> , <b>2020</b> , 22, iii301 <sup>1</sup> -iii301 <sup>7</sup> 8		
63	A middle cerebral artery ischemic stroke occurring in a child with a large prolactinoma. <i>Childs Nervous System</i> , <b>2020</b> , 36, 853-856	1.7	1
62	Senescence Induced by BMI1 Inhibition Is a Therapeutic Vulnerability in H3K27M-Mutant DIPG. <i>Cell Reports</i> , <b>2020</b> , 33, 108286	10.6	10
61	Clinical outcomes after revascularization for pediatric moyamoya disease and syndrome: A single-center series. <i>Journal of Clinical Neuroscience</i> , <b>2020</b> , 79, 137-143	2.2	4
60	Integrated Proteogenomic Characterization across Major Histological Types of Pediatric Brain Cancer. <i>Cell</i> , <b>2020</b> , 183, 1962-1985.e31	56.2	45
59	Single-center series of boys with recurrent strokes and rotational vertebral arteriopathy. <i>Neurology</i> , <b>2020</b> , 95, e1830-e1834	6.5	6
58	Comprehensive analysis of diverse low-grade neuroepithelial tumors with FGFR1 alterations reveals a distinct molecular signature of rosette-forming glioneuronal tumor. <i>Acta Neuropathologica Communications</i> , <b>2020</b> , 8, 151	7.3	17
57	Brain Arteriovenous Malformation Recurrence After Apparent Microsurgical Cure: Increased Risk in Children Who Present With Arteriovenous Malformation Rupture. <i>Stroke</i> , <b>2020</b> , 51, 2990-2996	6.7	13
56	ETMR-22. TITLE: DEFINING THE CLINICAL AND PROGNOSTIC LANDSCAPE OF EMBRYONAL TUMORS WITH MULTI-LAYERED ROSETTES (ETMRs), A RARE BRAIN TUMOR REGISTRY (RBTC) STUDY. <i>Neuro-Oncology</i> , <b>2020</b> , 22, iii327-iii328	1	78
55	High-grade neuroepithelial tumor with BCOR exon 15 internal tandem duplication-a comprehensive clinical, radiographic, pathologic, and genomic analysis. <i>Brain Pathology</i> , <b>2020</b> , 30, 46-62 <sup>6</sup>		29
54	Pediatric bithalamic gliomas have a distinct epigenetic signature and frequent EGFR exon 20 insertions resulting in potential sensitivity to targeted kinase inhibition. <i>Acta Neuropathologica</i> , <b>2020</b> , 139, 1071-1088	14.3	16
53	CRISPRi-based radiation modifier screen identifies long non-coding RNA therapeutic targets in glioma. <i>Genome Biology</i> , <b>2020</b> , 21, 83	18.3	39
52	Recurrent non-canonical histone H3 mutations in spinal cord diffuse gliomas. <i>Acta Neuropathologica</i> , <b>2019</b> , 138, 877-881	14.3	12
51	A pilot precision medicine trial for children with diffuse intrinsic pontine glioma-PNOC003: A report from the Pacific Pediatric Neuro-Oncology Consortium. <i>International Journal of Cancer</i> , <b>2019</b> , 145, 1889-1901 <sup>7</sup> 5		45
50	Recurrent KBTBD4 small in-frame insertions and absence of DROSHA deletion or DICER1 mutation differentiate pineal parenchymal tumor of intermediate differentiation (PPTID) from pineoblastoma. <i>Acta Neuropathologica</i> , <b>2019</b> , 137, 851-854	14.3	25

49	The genetic landscape of anaplastic pleomorphic xanthoastrocytoma. <i>Brain Pathology</i> , <b>2019</b> , 29, 85-96	6	54
48	Long-Term Safety, Immunologic Response, and Imaging Outcomes following Neural Stem Cell Transplantation for Pelizaeus-Merzbacher Disease. <i>Stem Cell Reports</i> , <b>2019</b> , 13, 254-261	8	25
47	A C19MC-LIN28A-MYCN Oncogenic Circuit Driven by Hijacked Super-enhancers Is a Distinct Therapeutic Vulnerability in ETMRs: A Lethal Brain Tumor. <i>Cancer Cell</i> , <b>2019</b> , 36, 51-67.e7	24.3	39
46	RARE-30. PEDIATRIC GLIOBLASTOMA IN THE POST-TEMOZOLOMIDE ERA: OUTCOMES AND CHARACTERISTICS. <i>Neuro-Oncology</i> , <b>2019</b> , 21, vi227-vi228	1	78
45	EXTH-08. REPLACEMENT OF MICROGLIA BY BRAIN-ENGRAFTED MACROPHAGES PREVENTS MEMORY DEFICITS AFTER THERAPEUTIC WHOLE-BRAIN IRRADIATION. <i>Neuro-Oncology</i> , <b>2019</b> , 21, vi83-vi84	184	78
44	The genetic landscape of gliomas arising after therapeutic radiation. <i>Acta Neuropathologica</i> , <b>2019</b> , 137, 139-150	14.3	32
43	Deep sequencing of WNT-activated medulloblastomas reveals secondary SHH pathway activation. <i>Acta Neuropathologica</i> , <b>2018</b> , 135, 635-638	14.3	16
42	The Management of Myelomeningocele Study: full cohort 30-month pediatric outcomes. <i>American Journal of Obstetrics and Gynecology</i> , <b>2018</b> , 218, 256.e1-256.e13	6.4	96
41	The genetic landscape of ganglioglioma. <i>Acta Neuropathologica Communications</i> , <b>2018</b> , 6, 47	7.3	75
40	Perilesional edema associated with an intracranial calcifying pseudoneoplasm of the neuraxis in a child: case report and review of imaging features. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2018</b> , 22, 528-531	2.1	4
39	Rescue of cognitive function following fractionated brain irradiation in a novel preclinical glioma model. <i>ELife</i> , <b>2018</b> , 7,	8.9	19
38	New therapeutic approaches for brainstem tumors: a comparison of delivery routes using nanoliposomal irinotecan in an animal model. <i>Journal of Neuro-Oncology</i> , <b>2018</b> , 136, 475-484	4.8	13
37	Clinically Relevant and Minimally Invasive Tumor Surveillance of Pediatric Diffuse Midline Gliomas Using Patient-Derived Liquid Biopsy. <i>Clinical Cancer Research</i> , <b>2018</b> , 24, 5850-5859	12.9	62
36	Reirradiation and PD-1 inhibition with nivolumab for the treatment of recurrent diffuse intrinsic pontine glioma: a single-institution experience. <i>Journal of Neuro-Oncology</i> , <b>2018</b> , 140, 629-638	4.8	22
35	DIPG-40. PNOG-003: PRECISION MEDICINE TRIAL FOR CHILDREN WITH DIFFUSE INTRINSIC PONTINE GLIOMA. <i>Neuro-Oncology</i> , <b>2017</b> , 19, iv14-iv14	1	1
34	Surgical techniques for open fetal repair of myelomeningocele. <i>Childs Nervous System</i> , <b>2017</b> , 33, 1143-1148	148	4
33	Targeted next-generation sequencing of pediatric neuro-oncology patients improves diagnosis, identifies pathogenic germline mutations, and directs targeted therapy. <i>Neuro-Oncology</i> , <b>2017</b> , 19, 699-709	709	118
32	Pediatric high-grade glioma: biologically and clinically in need of new thinking. <i>Neuro-Oncology</i> , <b>2017</b> , 19, 153-161	1	125

31	Angiocentric glioma with MYB-QKI fusion located in the brainstem, rather than cerebral cortex. <i>Acta Neuropathologica</i> , <b>2017</b> , 134, 671-673	14.3	15
30	Patient-derived Tumor Models for Diffuse Intrinsic Pontine Gliomas. <i>Current Neuropharmacology</i> , <b>2017</b> , 15, 98-103	7.6	7
29	Colony-stimulating factor 1 receptor blockade prevents fractionated whole-brain irradiation-induced memory deficits. <i>Journal of Neuroinflammation</i> , <b>2016</b> , 13, 215	10.1	42
28	Age exacerbates the CCR2/5-mediated neuroinflammatory response to traumatic brain injury. <i>Journal of Neuroinflammation</i> , <b>2016</b> , 13, 80	10.1	51
27	Prognostic value of medulloblastoma extent of resection after accounting for molecular subgroup: a retrospective integrated clinical and molecular analysis. <i>Lancet Oncology</i> , <b>2016</b> , 17, 484-495	21.7	187
26	Central Adaptation following Brachial Plexus Injury. <i>World Neurosurgery</i> , <b>2016</b> , 85, 325-32	2.1	18
25	Diffuse Midline Gliomas with Histone H3-K27M Mutation: A Series of 47 Cases Assessing the Spectrum of Morphologic Variation and Associated Genetic Alterations. <i>Brain Pathology</i> , <b>2016</b> , 26, 569-80	6	243
24	IDH1 mutation can be present in diffuse astrocytomas and giant cell glioblastomas of young children under 10 years of age. <i>Acta Neuropathologica</i> , <b>2016</b> , 132, 153-5	14.3	18
23	CCR2 antagonism alters brain macrophage polarization and ameliorates cognitive dysfunction induced by traumatic brain injury. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 748-60	6.6	161
22	Metastatic Diffuse Intrinsic Pontine Glioma to the Peritoneal Cavity Via Ventriculoperitoneal Shunt: Case Report and Literature Review. <i>Journal of Neurological Surgery Reports</i> , <b>2015</b> , 76, e91-6	1.1	12
21	Prenatal surgery for myelomeningocele and the need for cerebrospinal fluid shunt placement. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2015</b> , 16, 613-20	2.1	149
20	Interventional magnetic resonance imaging-guided cell transplantation into the brain with radially branched deployment. <i>Molecular Therapy</i> , <b>2015</b> , 23, 119-29	11.7	15
19	Experiences of Parents Caring for Infants with Rare Scalp Mass as Identified through a Disease-Specific Blog. <i>Journal of the American Board of Family Medicine</i> , <b>2015</b> , 28, 750-8	1.6	6
18	Molecular Classification of Ependymal Tumors across All CNS Compartments, Histopathological Grades, and Age Groups. <i>Cancer Cell</i> , <b>2015</b> , 27, 728-43	24.3	672
17	Management of central nervous system teratoma. <i>Journal of Clinical Neuroscience</i> , <b>2015</b> , 22, 98-104	2.2	14
16	Pharmacologic inhibition of histone demethylation as a therapy for pediatric brainstem glioma. <i>Nature Medicine</i> , <b>2014</b> , 20, 1394-6	50.5	317
15	Cranial irradiation alters the brain's microenvironment and permits CCR2+ macrophage infiltration. <i>PLoS ONE</i> , <b>2014</b> , 9, e93650	3.7	68
14	Recurrent somatic mutations in ACVR1 in pediatric midline high-grade astrocytoma. <i>Nature Genetics</i> , <b>2014</b> , 46, 462-6	36.3	296

13	Deep arteriovenous malformations in the basal ganglia, thalamus, and insula: multimodality management, patient selection, and results. <i>World Neurosurgery</i> , <b>2014</b> , 82, 386-94	2.1	39
12	Characterization of a diffuse intrinsic pontine glioma cell line: implications for future investigations and treatment. <i>Journal of Neuro-Oncology</i> , <b>2012</b> , 110, 305-13	4.8	53
11	Neural stem cell engraftment and myelination in the human brain. <i>Science Translational Medicine</i> , <b>2012</b> , 4, 155ra137	17.5	208
10	An experimental xenograft mouse model of diffuse pontine glioma designed for therapeutic testing. <i>Journal of Neuro-Oncology</i> , <b>2012</b> , 108, 29-35	4.8	43
9	Open fetal surgery for myelomeningocele. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2012</b> , 9, 265-73	2.1	14
8	A randomized trial of prenatal versus postnatal repair of myelomeningocele. <i>New England Journal of Medicine</i> , <b>2011</b> , 364, 993-1004	59.2	1368
7	A human brainstem glioma xenograft model enabled for bioluminescence imaging. <i>Journal of Neuro-Oncology</i> , <b>2010</b> , 96, 151-9	4.8	49
6	Bioluminescence monitoring of intracranial glioblastoma xenograft: response to primary and salvage temozolomide therapy. <i>Journal of Neurosurgery</i> , <b>2007</b> , 107, 610-6	3.2	70
5	Long-term outcomes in patients with treated childhood hydrocephalus. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2007</b> , 106, 334-9	2.1	39
4	A modification of the Mayfield horseshoe headrest allowing pin fixation and cranial immobilization in infants and young children. <i>Operative Neurosurgery</i> , <b>2006</b> , 58, ONS-E181; discussion ONS-E181	1.6	11
3	In utero repair of myelomeningocele: experimental pathophysiology, initial clinical experience, and outcomes. <i>Archives of Surgery</i> , <b>2003</b> , 138, 872-8		115
2	Choroid plexus tumors in children. <i>Neurosurgery Clinics of North America</i> , <b>2003</b> , 14, 621-31	4	39
1	Brain-engrafted macrophages provide protection against therapeutic irradiation and secondary concussive injury		1