

# Ashok Panigrahy

## List of Publications by Year in descending order

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74  
papers

2,324  
citations

304743

22  
h-index

233421

45  
g-index

75  
all docs

75  
docs citations

75  
times ranked

4455  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunotherapy response assessment in neuro-oncology: a report of the RANO working group. <i>Lancet Oncology</i> , The, 2015, 16, e534-e542.	10.7	582
2	Selumetinib in paediatric patients with BRAF-aberrant or neurofibromatosis type 1-associated recurrent, refractory, or progressive low-grade glioma: a multicentre, phase 2 trial. <i>Lancet Oncology</i> , The, 2019, 20, 1011-1022.	10.7	315
3	MRI evaluation and safety in the developing brain. <i>Seminars in Perinatology</i> , 2015, 39, 73-104.	2.5	103
4	Magnetic resonance spectroscopy in pediatric neuroradiology: clinical and research applications. <i>Pediatric Radiology</i> , 2010, 40, 3-30.	2.0	98
5	Phase II Trial of Response-Based Radiation Therapy for Patients With Localized CNS Nongerminomatous Germ Cell Tumors: A Children's Oncology Group Study. <i>Journal of Clinical Oncology</i> , 2019, 37, 3283-3290.	1.6	78
6	Relationship of white matter network topology and cognitive outcome in adolescents with d-transposition of the great arteries. <i>NeuroImage: Clinical</i> , 2015, 7, 438-448.	2.7	70
7	Immune responses and outcome after vaccination with glioma-associated antigen peptides and poly-ICLC in a pilot study for pediatric recurrent low-grade gliomas. <i>Neuro-Oncology</i> , 2016, 18, 1157-1168.	1.2	69
8	Apparent diffusion coefficient histogram metrics correlate with survival in diffuse intrinsic pontine glioma: a report from the Pediatric Brain Tumor Consortium. <i>Neuro-Oncology</i> , 2016, 18, 725-734.	1.2	60
9	The effects of therapeutic hypothermia on cerebral metabolism in neonates with hypoxic-ischemic encephalopathy: An in vivo <sup>1</sup> H-MR spectroscopy study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1075-1086.	4.3	52
10	Genetic link between renal birth defects and congenital heart disease. <i>Nature Communications</i> , 2016, 7, 11103.	12.8	50
11	Development of a screening MRI for infants at risk for abusive head trauma. <i>Pediatric Radiology</i> , 2016, 46, 519-526.	2.0	37
12	Neurovascular Unit: Basic and Clinical Imaging with Emphasis on Advantages of Ferumoxytol. <i>Neurosurgery</i> , 2018, 82, 770-780.	1.1	35
13	A computational framework for the detection of subcortical brain dysmaturation in neonatal MRI using 3D Convolutional Neural Networks. <i>NeuroImage</i> , 2018, 178, 183-197.	4.2	33
14	Opioids affect the fetal brain: reframing the detoxification debate. <i>American Journal of Obstetrics and Gynecology</i> , 2019, 221, 602-608.	1.3	32
15	Preclinical ImmunoPET Imaging of Glioblastoma-Infiltrating Myeloid Cells Using Zirconium-89 Labeled Anti-CD11b Antibody. <i>Molecular Imaging and Biology</i> , 2020, 22, 685-694.	2.6	32
16	Regional vulnerability of longitudinal cortical association connectivity. <i>NeuroImage: Clinical</i> , 2015, 9, 322-337.	2.7	31
17	Altered Structural and Functional Connectivity in Late Preterm Preadolescence: An Anatomic Seed-Based Study of Resting State Networks Related to the Posteromedial and Lateral Parietal Cortex. <i>PLoS ONE</i> , 2015, 10, e0130686.	2.5	30
18	Exploratory study of serum ubiquitin carboxyl-terminal esterase L1 and glial fibrillary acidic protein for outcome prognostication after pediatric cardiac arrest. <i>Resuscitation</i> , 2016, 101, 65-70.	3.0	30

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19	Effective Radiation Dose in a Skeletal Survey Performed for Suspected Child Abuse. <i>Journal of Pediatrics</i> , 2016, 171, 310-312.	1.8	28
20	Structural network topology correlates of microstructural brain dysmaturation in term infants with congenital heart disease. <i>Human Brain Mapping</i> , 2018, 39, 4593-4610.	3.6	28
21	Brain Dysplasia Associated with Ciliary Dysfunction in Infants with Congenital Heart Disease. <i>Journal of Pediatrics</i> , 2016, 178, 141-148.e1.	1.8	26
22	Global and Regional Derangements of Cerebral Blood Flow and Diffusion Magnetic Resonance Imaging after Pediatric Cardiac Arrest. <i>Journal of Pediatrics</i> , 2016, 169, 28-35.e1.	1.8	23
23	In Vivo Demonstration of Traumatic Rupture of the Bridging Veins in Abusive Head Trauma. <i>Pediatric Neurology</i> , 2017, 72, 31-35.	2.1	23
24	24 vs. 72 hours of hypothermia for pediatric cardiac arrest: A pilot, randomized controlled trial. <i>Resuscitation</i> , 2018, 126, 14-20.	3.0	23
25	Fetuses with single ventricle congenital heart disease manifest impairment of regional brain growth. <i>Prenatal Diagnosis</i> , 2018, 38, 1042-1048.	2.3	22
26	Serum Neuronal Biomarkers in Neonates With Congenital Heart Disease Undergoing Cardiac Surgery. <i>Pediatric Neurology</i> , 2017, 72, 56-61.	2.1	20
27	Multiplanar reconstructed CT images increased depiction of intracranial hemorrhages in pediatric head trauma. <i>Neuroradiology</i> , 2015, 57, 1263-1268.	2.2	18
28	Brain MR imaging and spectroscopy for outcome prognostication after pediatric cardiac arrest. <i>Resuscitation</i> , 2020, 157, 185-194.	3.0	17
29	Short T <sub>2</sub> imaging for quantifying concentration of sodium ( <sup>23</sup> Na) of bi-exponential T <sub>2</sub> relaxation. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 162-174.	3.0	16
30	Clinical Factors Associated with Cerebral Metabolism in Term Neonates with Congenital Heart Disease. <i>Journal of Pediatrics</i> , 2017, 183, 67-73.e1.	1.8	16
31	Loss of MAT2A compromises methionine metabolism and represents a vulnerability in H3K27M mutant glioma by modulating the epigenome. <i>Nature Cancer</i> , 2022, 3, 629-648.	13.2	16
32	Presenting Characteristics Associated With Outcome in Children With Severe Traumatic Brain Injury: A Secondary Analysis From a Randomized, Controlled Trial of Therapeutic Hypothermia*. <i>Pediatric Critical Care Medicine</i> , 2018, 19, 957-964.	0.5	15
33	Acute Neurologic Injury in Children Admitted to the Cardiac Intensive Care Unit. <i>Annals of Thoracic Surgery</i> , 2019, 107, 1831-1837.	1.3	15
34	Relationships Between Regional Cerebral Blood Flow and Neurocognitive Outcomes in Children and Adolescents With Congenital Heart Disease. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2022, 34, 1285-1295.	0.6	15
35	Phase II study of peginterferon alpha-2b for patients with unresectable or recurrent craniopharyngiomas: a Pediatric Brain Tumor Consortium report. <i>Neuro-Oncology</i> , 2020, 22, 1696-1704.	1.2	14
36	Nevospheres from neurocutaneous melanocytosis cells show reduced viability when treated with specific inhibitors of NRAS signaling pathway. <i>Neuro-Oncology</i> , 2016, 18, 528-537.	1.2	13

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37	Novel theranostic agent for PET imaging and targeted radiopharmaceutical therapy of tumour-infiltrating immune cells in glioma. <i>EBioMedicine</i> , 2021, 71, 103571.	6.1	13
38	Patterns of Infant Amygdala Connectivity Mediate the Impact of High Caregiver Affect on Reducing Infant Smiling: Discovery and Replication. <i>Biological Psychiatry</i> , 2021, 90, 342-352.	1.3	13
39	Developmental synergy between thalamic structure and interhemispheric connectivity in the visual system of preterm infants. <i>NeuroImage: Clinical</i> , 2015, 8, 462-472.	2.7	11
40	White Paper on P4 Concepts for Pediatric Imaging. <i>Journal of the American College of Radiology</i> , 2016, 13, 590-597.e2.	1.8	11
41	Fast 3D rosette spectroscopic imaging of neocortical abnormalities at 3T: Assessment of spectral quality. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2470-2480.	3.0	11
42	Cerebellar and Prefrontal Structures Associated With Executive Functioning in Pediatric Patients With Congenital Heart Defects. <i>Frontiers in Neurology</i> , 2022, 13, 827780.	2.4	11
43	Implementation of a brain injury screen MRI for infants at risk for abusive head trauma. <i>Pediatric Radiology</i> , 2020, 50, 75-82.	2.0	10
44	Arterial Spin Labeling in Pediatric Neuroimaging. <i>Seminars in Pediatric Neurology</i> , 2020, 33, 100799.	2.0	10
45	Early Axonal Injury and Delayed Cytotoxic Cerebral Edema are Associated with Microglial Activation in a Mouse Model of Sepsis. <i>Shock</i> , 2020, 54, 256-264.	2.1	9
46	Neuroimaging of Peptide-based Vaccine Therapy in Pediatric Brain Tumors. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 155-166.	1.0	8
47	Neuroimaging of retinal hemorrhage utilizing adjunct orbital susceptibility-weighted imaging. <i>Pediatric Radiology</i> , 2021, 51, 991-996.	2.0	8
48	Cerebral oxygen saturation and cerebrovascular instability in newborn infants with congenital heart disease compared to healthy controls. <i>PLoS ONE</i> , 2021, 16, e0251255.	2.5	8
49	Accuracy of oxygen saturation and total hemoglobin estimates in the neonatal brain using the semi-infinite slab model for FD-NIRS data analysis. <i>Biomedical Optics Express</i> , 2014, 5, 4300.	2.9	7
50	Transosseous cerebrospinal fluid fistula 14 years after Chiari decompression: presentation and management. <i>Journal of Neurosurgery: Pediatrics</i> , 2015, 16, 146-149.	1.3	7
51	Delayed activation of the primary orbitofrontal cortex in post-traumatic anosmia. <i>Brain Injury</i> , 2016, 30, 1737-1741.	1.2	7
52	Adaptive statistical iterative reconstruction use for radiation dose reduction in pediatric lower-extremity CT: impact on diagnostic image quality. <i>Skeletal Radiology</i> , 2018, 47, 785-793.	2.0	7
53	Olfactory bulb and olfactory tract abnormalities in acrocallosal syndrome and Greig cephalopolysyndactyly syndrome. <i>Pediatric Radiology</i> , 2019, 49, 1368-1373.	2.0	7
54	sfDM: Open-Source Software for Temporal Analysis and Visualization of Brain Tumor Diffusion MR Using Serial Functional Diffusion Mapping. <i>Cancer Informatics</i> , 2015, 14s2, CIN.S17293.	1.9	6

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55	PHACE syndrome is associated with intracranial cavernous malformations. <i>Child's Nervous System</i> , 2016, 32, 1463-1469.	1.1	6
56	Tractography in the clinics: Implementing a pipeline to characterize early brain development. <i>NeuroImage: Clinical</i> , 2017, 14, 629-640.	2.7	6
57	The Impact of Caregiving on the Association Between Infant Emotional Behavior and Resting State Neural Network Functional Topology. <i>Frontiers in Psychology</i> , 2018, 9, 1968.	2.1	6
58	Limbic white matter structural integrity at 3 months prospectively predicts negative emotionality in 9-month-old infants: a preliminary study. <i>Journal of Affective Disorders</i> , 2020, 273, 538-541.	4.1	6
59	The Correlation Between a Short-term Conventional Electroencephalography in the First Day of Life and Brain Magnetic Resonance Imaging in Newborns Undergoing Hypothermia for Hypoxic-Ischemic Encephalopathy. <i>Pediatric Neurology</i> , 2017, 67, 91-97.	2.1	5
60	Inclusion of Pediatric-Specific Indications and Procedures in the New ACR MRI Accreditation Program. <i>Journal of the American College of Radiology</i> , 2018, 15, 1022-1026.	1.8	5
61	Using Neuroimaging to Study the Effects of Pain, Analgesia, and Anesthesia on Brain Development. <i>Journal of Neurosurgical Anesthesiology</i> , 2019, 31, 119-121.	1.2	5
62	An exploratory assessment of serum biomarkers of post-cardiac arrest syndrome in children. <i>Resuscitation</i> , 2021, 167, 307-316.	3.0	5
63	CNS and spinal tumors. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2016, 136, 1139-1158.	1.8	4
64	New Cluster of Acute Flaccid Myelitis in Western Pennsylvania. <i>Annals of Emergency Medicine</i> , 2019, 74, 503-508.	0.6	4
65	Second-Trimester Placental and Thyroid Hormones Are Associated With Cognitive Development From Ages 1 to 3 Years. <i>Journal of the Endocrine Society</i> , 2021, 5, bvab027.	0.2	4
66	The Likelihood of an Occult Fracture in Skeletal Surveys Obtained in Children More Than 2 Years Old With Concerns of Physical Abuse. <i>Pediatric Emergency Care</i> , 2022, 38, e488-e492.	0.9	3
67	Surface fluid registration and multivariate tensor-based morphometry in newborns - the effects of prematurity on the putamen. , 2012, 2012, .		3
68	ADC Histogram Analysis of Pediatric Low-Grade Glioma Treated with Selumetinib: A Report from the Pediatric Brain Tumor Consortium. <i>American Journal of Neuroradiology</i> , 2022, 43, 455-461.	2.4	3
69	Association of Cerebrovascular Stability Index and Head Circumference Between Infants With and Without Congenital Heart Disease. <i>Pediatric Cardiology</i> , 2022, 43, 1624-1630.	1.3	3
70	False-positive magnetic resonance imaging findings in follow-up of pediatric patients with tumors of the central nervous system. <i>SAGE Open Medical Case Reports</i> , 2016, 4, 2050313X1666623.	0.3	2
71	A Descriptive Review of the Impact of Patient Motion in Early Childhood Resting-State Functional Magnetic Resonance Imaging. <i>Diagnostics</i> , 2022, 12, 1032.	2.6	2
72	Quantitative Sodium ( <sup>23</sup> Na) MRI in Pediatric Gliomas: Initial Experience. <i>Diagnostics</i> , 2022, 12, 1223.	2.6	2

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73	Pituitary Iron and Volume in Transfusional Iron Overload.. Blood, 2009, 114, 2017-2017.	1.4	1
74	Pituitary Iron and Volume in Transfusional Iron Overload: Normative Data.. Blood, 2009, 114, 4073-4073.	1.4	0