

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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Quantitative Sodium (²³ Na) MRI in Pediatric Gliomas: Initial Experience. <i>Diagnostics</i> , 2022, 12, 1223.	2.6	2
9	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
10	Neuroimaging of retinal hemorrhage utilizing adjunct orbital susceptibility-weighted imaging. <i>Pediatric Radiology</i> , 2021, 51, 991-996.	2.0	8
11	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
12	An exploratory assessment of serum biomarkers of post-cardiac arrest syndrome in children. <i>Resuscitation</i> , 2021, 167, 307-316.	3.0	5
13	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
14	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
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	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
17	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
18	Brain MR imaging and spectroscopy for outcome prognostication after pediatric cardiac arrest. <i>Resuscitation</i> , 2020, 157, 185-194.	3.0	17

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19	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
20	Arterial Spin Labeling in Pediatric Neuroimaging. <i>Seminars in Pediatric Neurology</i> , 2020, 33, 100799.	2.0	10
21	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
22	Olfactory bulb and olfactory tract abnormalities in acrocallosal syndrome and Greig cephalopolysyndactyly syndrome. <i>Pediatric Radiology</i> , 2019, 49, 1368-1373.	2.0	7
23	Opioids affect the fetal brain: reframing the detoxification debate. <i>American Journal of Obstetrics and Gynecology</i> , 2019, 221, 602-608.	1.3	32
24	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
25	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> , 2019, 20, 1011-1022.	10.7	315
26	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
27	New Cluster of Acute Flaccid Myelitis in Western Pennsylvania. <i>Annals of Emergency Medicine</i> , 2019, 74, 503-508.	0.6	4
28	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
29	Neurovascular Unit: Basic and Clinical Imaging with Emphasis on Advantages of Ferumoxytol. <i>Neurosurgery</i> , 2018, 82, 770-780.	1.1	35
30	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
31	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
32	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
33	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
34	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
35	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
36	Fetuses with single ventricle congenital heart disease manifest impairment of regional brain growth. <i>Prenatal Diagnosis</i> , 2018, 38, 1042-1048.	2.3	22

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37	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
38	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
39	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
40	Serum Neuronal Biomarkers in Neonates With Congenital Heart Disease Undergoing Cardiac Surgery. <i>Pediatric Neurology</i> , 2017, 72, 56-61.	2.1	20
41	InÂvivo Demonstration of Traumatic Rupture of the Bridging Veins in Abusive Head Trauma. <i>Pediatric Neurology</i> , 2017, 72, 31-35.	2.1	23
42	Tractography in the clinics: Implementing a pipeline to characterize early brain development. <i>NeuroImage: Clinical</i> , 2017, 14, 629-640.	2.7	6
43	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
44	Neuroimaging of Peptide-based Vaccine Therapy in Pediatric Brain Tumors. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 155-166.	1.0	8
45	Genetic link between renal birth defects and congenital heart disease. <i>Nature Communications</i> , 2016, 7, 11103.	12.8	50
46	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
47	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
48	Delayed activation of the primary orbitofrontal cortex in post-traumatic anosmia. <i>Brain Injury</i> , 2016, 30, 1737-1741.	1.2	7
49	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
50	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
51	PHACE syndrome is associated with intracranial cavernous malformations. <i>Child's Nervous System</i> , 2016, 32, 1463-1469.	1.1	6
52	The effects of therapeutic hypothermia on cerebral metabolism in neonates with hypoxic-ischemic encephalopathy: An inÂvivo ¹ H-MR spectroscopy study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1075-1086.	4.3	52
53	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
54	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

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55	White Paper on P4 Concepts for Pediatric Imaging. Journal of the American College of Radiology, 2016, 13, 590-597.e2.	1.8	11
56	Immune responses and outcome after vaccination with glioma-associated antigen peptides and poly-ICLC in a pilot study for pediatric recurrent low-grade gliomas. Neuro-Oncology, 2016, 18, 1157-1168.	1.2	69
57	Effective Radiation Dose in a Skeletal Survey Performed for Suspected Child Abuse. Journal of Pediatrics, 2016, 171, 310-312.	1.8	28
58	Development of a screening MRI for infants at risk for abusive head trauma. Pediatric Radiology, 2016, 46, 519-526.	2.0	37
59	Apparent diffusion coefficient histogram metrics correlate with survival in diffuse intrinsic pontine glioma: a report from the Pediatric Brain Tumor Consortium. Neuro-Oncology, 2016, 18, 725-734.	1.2	60
60	Regional vulnerability of longitudinal cortical association connectivity. NeuroImage: Clinical, 2015, 9, 322-337.	2.7	31
61	sfDM: Open-Source Software for Temporal Analysis and Visualization of Brain Tumor Diffusion MR Using Serial Functional Diffusion Mapping. Cancer Informatics, 2015, 14s2, CIN.S17293.	1.9	6
62	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. PLoS ONE, 2015, 10, e0130686.	2.5	30
63	Multiplanar reconstructed CT images increased depiction of intracranial hemorrhages in pediatric head trauma. Neuroradiology, 2015, 57, 1263-1268.	2.2	18
64	Relationship of white matter network topology and cognitive outcome in adolescents with d-transposition of the great arteries. NeuroImage: Clinical, 2015, 7, 438-448.	2.7	70
65	Short- T_2 imaging for quantifying concentration of sodium (^{23}Na) of bi-exponential T_2 relaxation. Magnetic Resonance in Medicine, 2015, 74, 162-174.	3.0	16
66	MRI evaluation and safety in the developing brain. Seminars in Perinatology, 2015, 39, 73-104.	2.5	103
67	Immunotherapy response assessment in neuro-oncology: a report of the RANO working group. Lancet Oncology, The, 2015, 16, e534-e542.	10.7	582
68	Transosseous cerebrospinal fluid fistula 14 years after Chiari decompression: presentation and management. Journal of Neurosurgery: Pediatrics, 2015, 16, 146-149.	1.3	7
69	Developmental synergy between thalamic structure and interhemispheric connectivity in the visual system of preterm infants. NeuroImage: Clinical, 2015, 8, 462-472.	2.7	11
70	Accuracy of oxygen saturation and total hemoglobin estimates in the neonatal brain using the semi-infinite slab model for FD-NIRS data analysis. Biomedical Optics Express, 2014, 5, 4300.	2.9	7
71	Surface fluid registration and multivariate tensor-based morphometry in newborns - the effects of prematurity on the putamen. , 2012, 2012, .		3
72	Magnetic resonance spectroscopy in pediatric neuroradiology: clinical and research applications. Pediatric Radiology, 2010, 40, 3-30.	2.0	98

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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