

Rajat Dhar

List of Publications by Year in Descending Order

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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.

89
papers

2,105
citations

25
h-index

43
g-index

97
ext. papers

2,521
ext. citations

3.8
avg. IF

5.19
L-index

#	Paper	IF	Citations
89	Inhalational Versus Intravenous Anesthetic Conditioning for Subarachnoid Hemorrhage-Induced Delayed Cerebral Ischemia. <i>Stroke</i> , 2021 , STROKEAHA121035075	6.7	1
88	A multicenter randomized placebo-controlled trial of intravenous thyroxine for heart-eligible brain-dead organ donors. <i>Trials</i> , 2021 , 22, 852	2.8	0
87	Conditioning Effect of Inhalational Anesthetics on Delayed Cerebral Ischemia After Aneurysmal Subarachnoid Hemorrhage. <i>Neurosurgery</i> , 2021 , 88, 394-401	3.2	6
86	Automated Quantification of Reduced Sulcal Volume Identifies Early Brain Injury After Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2021 , 52, 1380-1389	6.7	4
85	Hemispheric CSF volume ratio quantifies progression and severity of cerebral edema after acute hemispheric stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 2907-2915	7.3	2
84	The Stroke Neuro-Imaging Phenotype Repository: An Open Data Science Platform for Stroke Research. <i>Frontiers in Neuroinformatics</i> , 2021 , 15, 597708	3.9	0
83	Genetic Variation Is Associated with Post-Reperfusion Therapy Parenchymal Hematoma. A GWAS Meta-Analysis. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	1
82	Ventilation in the prone position improves oxygenation and results in more lungs being transplanted from organ donors with hypoxemia and atelectasis. <i>Journal of Heart and Lung Transplantation</i> , 2021 , 40, 120-127	5.8	3
81	Early Neurological Change After Ischemic Stroke Is Associated With 90-Day Outcome. <i>Stroke</i> , 2021 , 52, 132-141	6.7	15
80	Accelerating Prediction of Malignant Cerebral Edema After Ischemic Stroke with Automated Image Analysis and Explainable Neural Networks. <i>Neurocritical Care</i> , 2021 , 1	3.3	3
79	Rate of Infarct-Edema Growth on CT Predicts Need for Surgical Intervention and Clinical Outcome in Patients with Cerebellar Infarction.. <i>Neurocritical Care</i> , 2021 , 1	3.3	0
78	Automated quantitative assessment of cerebral edema after ischemic stroke using CSF volumetrics. <i>Neuroscience Letters</i> , 2020 , 724, 134879	3.3	6
77	Admitting Low-Risk Patients With Intracerebral Hemorrhage to a Neurological Step-Down Unit Is Safe, Results in Shorter Length of Stay, and Reduces Intensive Care Utilization: A Retrospective Controlled Cohort Study. <i>Neurohospitalist, The</i> , 2020 , 10, 272-276	1.1	3
76	A Randomized Trial of Intravenous Thyroxine for Brain-Dead Organ Donors With Impaired Cardiac Function. <i>Progress in Transplantation</i> , 2020 , 30, 48-55	1.1	7
75	Deep Learning for Automated Measurement of Hemorrhage and Perihematomal Edema in Supratentorial Intracerebral Hemorrhage. <i>Stroke</i> , 2020 , 51, 648-651	6.7	17
74	Reduction in Cerebrospinal Fluid Volume as an Early Quantitative Biomarker of Cerebral Edema After Ischemic Stroke. <i>Stroke</i> , 2020 , 51, 462-467	6.7	11
73	Point-of-care blood gas analyzers have an impact on the acceptance of donor lungs for transplantation. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2020 , 80, 623-629	2	0

72	Quantitative Serial CT Imaging-Derived Features Improve Prediction of Malignant Cerebral Edema after Ischemic Stroke. <i>Neurocritical Care</i> , 2020 , 33, 785-792	3.3	8
71	Response. <i>Neurocritical Care</i> , 2020 , 33, 859	3.3	
70	A randomized trial comparing triiodothyronine (T3) with thyroxine (T4) for hemodynamically unstable brain-dead organ donors. <i>Clinical Transplantation</i> , 2019 , 33, e13486	3.8	7
69	A Randomized Controlled Trial of Naloxone for Optimization of Hypoxemia in Lung Donors After Brain Death. <i>Transplantation</i> , 2019 , 103, 1433-1438	1.8	9
68	Posterior Reversible Encephalopathy Syndrome as a Complication of Induced Hypertension in Subarachnoid Hemorrhage: A Case-Control Study. <i>Neurosurgery</i> , 2019 , 85, 223-230	3.2	10
67	Cerebral Blood Flow Physiology and Metabolism in the Neurocritical Care Unit 2019 , 11-18		
66	Evidence for a conditioning effect of inhalational anesthetics on angiographic vasospasm after aneurysmal subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2019 , 1-7	3.2	8
65	Burden of cerebral hypoperfusion in patients with delayed cerebral ischemia after subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2019 , 132, 1872-1879	3.2	1
64	Letter to the Editor. <i>Neurocritical Care</i> , 2018 , 28, 257-258	3.3	
63	Neurologic Complications of Transplantation. <i>Neurocritical Care</i> , 2018 , 28, 4-11	3.3	13
62	A Randomized Trial of Brief Versus Extended Seizure Prophylaxis After Aneurysmal Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2018 , 28, 169-174	3.3	14
61	Application of Machine Learning to Automated Analysis of Cerebral Edema in Large Cohorts of Ischemic Stroke Patients. <i>Frontiers in Neurology</i> , 2018 , 9, 687	4.1	22
60	Comparison of Initial Vasopressors Used for Delayed Cerebral Ischemia after Aneurysmal Subarachnoid Hemorrhage. <i>Cerebrovascular Diseases</i> , 2017 , 43, 266-271	3.2	16
59	Enhanced Detection of Edema in Malignant Anterior Circulation Stroke (EDEMA) Score: A Risk Prediction Tool. <i>Stroke</i> , 2017 , 48, 1969-1972	6.7	39
58	Neurologic complications of transplantation. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2017 , 141, 545-572	3	7
57	RBC Transfusion Improves Cerebral Oxygen Delivery in Subarachnoid Hemorrhage. <i>Critical Care Medicine</i> , 2017 , 45, 653-659	1.4	23
56	Authors' Response to Sensory Input and Motor Responses After Brain Death Diagnosis. <i>Journal of Intensive Care Medicine</i> , 2017 , 32, 175	3.3	
55	The authors reply. <i>Critical Care Medicine</i> , 2017 , 45, e987-e988	1.4	

54	SANGUINATE (PEGylated Carboxyhemoglobin Bovine) Improves Cerebral Blood Flow to Vulnerable Brain Regions at Risk of Delayed Cerebral Ischemia After Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2017 , 27, 341-349	3.3	16
53	The State of Neurocritical Care Fellowship Training and Attitudes toward Accreditation and Certification: A Survey of Neurocritical Care Fellowship Program Directors. <i>Frontiers in Neurology</i> , 2017 , 8, 548	4.1	8
52	Predictors of 30-day readmission after aneurysmal subarachnoid hemorrhage: a case-control study. <i>Journal of Neurosurgery</i> , 2017 , 126, 1847-1854	3.2	7
51	CSF Volumetric Analysis for Quantification of Cerebral Edema After Hemispheric Infarction. <i>Neurocritical Care</i> , 2016 , 24, 420-7	3.3	18
50	Factors Associated with Acute and Chronic Hydrocephalus in Nonaneurysmal Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2016 , 24, 104-9	3.3	14
49	Acute Effect of Intravenous Sildenafil on Cerebral Blood Flow in Patients with Vasospasm After Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2016 , 25, 201-4	3.3	8
48	Effect of High-Dose Simvastatin on Cerebral Blood Flow and Static Autoregulation in Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2016 , 25, 56-63	3.3	28
47	A Phase I proof-of-concept and safety trial of sildenafil to treat cerebral vasospasm following subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2016 , 124, 318-27	3.2	12
46	Posterior reversible encephalopathy syndrome with thalamic involvement during vasopressor treatment of vertebrobasilar vasospasm after subarachnoid hemorrhage. <i>Journal of NeuroInterventional Surgery</i> , 2016 , 8, e45	7.8	6
45	Spinal Decerebrate-Like Posturing After Brain Death: A Case Report and Review of the Literature. <i>Journal of Intensive Care Medicine</i> , 2016 , 31, 622-4	3.3	5
44	Automated quantification of cerebral edema following hemispheric infarction: Application of a machine-learning algorithm to evaluate CSF shifts on serial head CTs. <i>NeuroImage: Clinical</i> , 2016 , 12, 673-680	5.3	41
43	Pneumothorax as a Complication of Apnea Testing for Brain Death. <i>Neurocritical Care</i> , 2016 , 25, 282-7	3.3	6
42	Diffuse leptomeningeal carcinomatosis mimicking brain death. <i>Journal of the Neurological Sciences</i> , 2015 , 352, 132-4	3.2	3
41	No additional protection against ventriculitis with prolonged systemic antibiotic prophylaxis for patients treated with antibiotic-coated external ventricular drains. <i>Journal of Neurosurgery</i> , 2015 , 122, 1120-6	3.2	29
40	Utility of Screening for Cerebral Vasospasm Using Digital Subtraction Angiography. <i>Stroke</i> , 2015 , 46, 3137-41	6.7	11
39	Dialysis-induced worsening of cerebral edema in intracranial hemorrhage: a case series and clinical perspective. <i>Neurocritical Care</i> , 2015 , 22, 283-7	3.3	15
38	Anaemia on admission is associated with more severe intracerebral haemorrhage and worse outcomes. <i>International Journal of Stroke</i> , 2015 , 10, 382-7	6.3	11
37	Posterior reversible encephalopathy syndrome with thalamic involvement during vasopressor treatment of vertebrobasilar vasospasm after subarachnoid hemorrhage. <i>BMJ Case Reports</i> , 2015 , 2015,	0.9	1

36	Relationship between angiographic vasospasm, cerebral blood flow, and cerebral infarction after subarachnoid hemorrhage. <i>Acta Neurochirurgica Supplementum</i> , 2015 , 120, 161-5	1.7	14
35	Pattern not volume of bleeding predicts angiographic vasospasm in nonaneurysmal subarachnoid hemorrhage. <i>Stroke</i> , 2014 , 45, 265-7	6.7	21
34	Analysis of subarachnoid hemorrhage using the Nationwide Inpatient Sample: the NIS-SAH Severity Score and Outcome Measure. <i>Journal of Neurosurgery</i> , 2014 , 121, 482-9	3.2	74
33	Racial differences in withdrawal of mechanical ventilation do not alter mortality in neurologically injured patients. <i>Journal of Critical Care</i> , 2014 , 29, 49-53	4	15
32	Comparison of high- and low-dose corticosteroid regimens for organ donor management. <i>Journal of Critical Care</i> , 2013 , 28, 111.e1-7	4	37
31	The relationship between delayed infarcts and angiographic vasospasm after aneurysmal subarachnoid hemorrhage. <i>Neurosurgery</i> , 2013 , 72, 702-7; discussion 707-8	3.2	72
30	Early vs. delayed cerebral infarction after aneurysm repair after subarachnoid hemorrhage. <i>Neurosurgery</i> , 2013 , 73, 617-23; discussion 623	3.2	31
29	Commentary. <i>Journal of Neurosciences in Rural Practice</i> , 2013 , 4, 49-50	1.1	
28	Neurology Emergencies. <i>Critical Care</i> , 2012 , 16,	10.8	78
27	Effect of osmotic agents on regional cerebral blood flow in traumatic brain injury. <i>Journal of Critical Care</i> , 2012 , 27, 526.e7-12	4	34
26	Response to a bolus of conivaptan in patients with acute hyponatremia after brain injury. <i>Journal of Critical Care</i> , 2012 , 27, 745.e1-5	4	14
25	Statins and anti-inflammatory therapies for subarachnoid hemorrhage. <i>Current Treatment Options in Neurology</i> , 2012 , 14, 164-74	4.4	13
24	Reversible obstructive hydrocephalus from hypertensive encephalopathy. <i>Neurocritical Care</i> , 2012 , 16, 433-9	3.3	14
23	Comparison of induced hypertension, fluid bolus, and blood transfusion to augment cerebral oxygen delivery after subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2012 , 116, 648-56	3.2	41
22	Relationship between angiographic vasospasm and regional hypoperfusion in aneurysmal subarachnoid hemorrhage. <i>Stroke</i> , 2012 , 43, 1788-94	6.7	71
21	Effect of mannitol on cerebral blood volume in patients with head injury. <i>Neurosurgery</i> , 2012 , 70, 1215-8; discussion 1219	3.2	24
20	Neurocritical Care 2012 , 321-344		
19	Central nervous system complications after transplantation. <i>Neurologic Clinics</i> , 2011 , 29, 943-72	4.5	31

18	Unilateral posterior reversible encephalopathy syndrome with hypertensive therapy of contralateral vasospasm: case report. <i>Neurosurgery</i> , 2011 , 69, E1176-81; E1181	3.2	26
17	Comparison of short-duration levetiracetam with extended-course phenytoin for seizure prophylaxis after subarachnoid hemorrhage. <i>World Neurosurgery</i> , 2011 , 75, 269-74	2.1	34
16	A bolus of conivaptan lowers intracranial pressure in a patient with hyponatremia after traumatic brain injury. <i>Neurocritical Care</i> , 2011 , 14, 97-102	3.3	26
15	Cerebral hemodynamic and metabolic effects of equi-osmolar doses mannitol and 23.4% saline in patients with edema following large ischemic stroke. <i>Neurocritical Care</i> , 2011 , 14, 11-7	3.3	37
14	Cerebral infarction following a seizure in a patient with subarachnoid hemorrhage complicated by delayed cerebral ischemia 2011 , 2, 14		2
13	Factors associated with the development of anemia after subarachnoid hemorrhage. <i>Neurocritical Care</i> , 2010 , 12, 4-9	3.3	42
12	Red blood cell transfusion increases cerebral oxygen delivery in anemic patients with subarachnoid hemorrhage. <i>Stroke</i> , 2009 , 40, 3039-44	6.7	98
11	Conivaptan bolus dosing for the correction of hyponatremia in the neurointensive care unit. <i>Neurocritical Care</i> , 2009 , 11, 14-9	3.3	75
10	NEUROMUSCULAR RESPIRATORY FAILURE. <i>CONTINUUM Lifelong Learning in Neurology</i> , 2009 , 15, 40-67	3	1
9	Call-Fleming syndrome and orgasmic cephalgia. <i>Headache</i> , 2008 , 48, 967-71	4.2	10
8	The morbidity and outcome of patients with Guillain-Barré syndrome admitted to the intensive care unit. <i>Journal of the Neurological Sciences</i> , 2008 , 264, 121-8	3.2	81
7	Perioperative neurological complications after liver transplantation are best predicted by pre-transplant hepatic encephalopathy. <i>Neurocritical Care</i> , 2008 , 8, 253-8	3.3	80
6	The burden of the systemic inflammatory response predicts vasospasm and outcome after subarachnoid hemorrhage. <i>Neurocritical Care</i> , 2008 , 8, 404-12	3.3	131
5	Hypothermia for refractory status epilepticus. <i>Neurocritical Care</i> , 2008 , 9, 189-97	3.3	160
4	Variation in osmotic response to sustained mannitol administration. <i>Neurocritical Care</i> , 2008 , 9, 204-9	3.3	13
3	Long-term outcomes in epilepsy surgery: antiepileptic drugs, mortality, cognitive and psychosocial aspects. <i>Brain</i> , 2007 , 130, 334-45	11.2	207
2	Cerebral blood flow 20-36		
1	Management of vasospasm in subarachnoid hemorrhage 464-479		

