

# Rajat Dhar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4869588/publications.pdf>

Version: 2024-02-01

94  
papers

2,754  
citations

172207

29  
h-index

197535

49  
g-index

97  
all docs

97  
docs citations

97  
times ranked

3057  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term outcomes in epilepsy surgery: antiepileptic drugs, mortality, cognitive and psychosocial aspects. <i>Brain</i> , 2007, 130, 334-345.	3.7	251
2	Hypothermia for Refractory Status Epilepticus. <i>Neurocritical Care</i> , 2008, 9, 189-197.	1.2	184
3	The Burden of the Systemic Inflammatory Response Predicts Vasospasm and Outcome after Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2008, 8, 404-412.	1.2	155
4	Red Blood Cell Transfusion Increases Cerebral Oxygen Delivery in Anemic Patients With Subarachnoid Hemorrhage. <i>Stroke</i> , 2009, 40, 3039-3044.	1.0	117
5	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, 121-128.	0.3	107
6	Analysis of subarachnoid hemorrhage using the Nationwide Inpatient Sample: the NIS-SAH Severity Score and Outcome Measure. <i>Journal of Neurosurgery</i> , 2014, 121, 482-489.	0.9	103
7	Perioperative Neurological Complications After Liver Transplantation are Best Predicted by Pre-transplant Hepatic Encephalopathy. <i>Neurocritical Care</i> , 2008, 8, 253-258.	1.2	93
8	Relationship Between Angiographic Vasospasm and Regional Hypoperfusion in Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2012, 43, 1788-1794.	1.0	89
9	Conivaptan Bolus Dosing for the Correction of Hyponatremia in the Neurointensive Care Unit. <i>Neurocritical Care</i> , 2009, 11, 14-19.	1.2	87
10	The Relationship Between Delayed Infarcts and Angiographic Vasospasm After Aneurysmal Subarachnoid Hemorrhage. <i>Neurosurgery</i> , 2013, 72, 702-708.	0.6	87
11	Enhanced Detection of Edema in Malignant Anterior Circulation Stroke (EDEMA) Score. <i>Stroke</i> , 2017, 48, 1969-1972.	1.0	70
12	Factors Associated with the Development of Anemia After Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2010, 12, 4-9.	1.2	54
13	Comparison of induced hypertension, fluid bolus, and blood transfusion to augment cerebral oxygen delivery after subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2012, 116, 648-656.	0.9	50
14	Comparison of high- and low-dose corticosteroid regimens for organ donor management. <i>Journal of Critical Care</i> , 2013, 28, 111.e1-111.e7.	1.0	49
15	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.	1.4	49
16	Deep Learning for Automated Measurement of Hemorrhage and Perihematomal Edema in Supratentorial Intracerebral Hemorrhage. <i>Stroke</i> , 2020, 51, 648-651.	1.0	48
17	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, 11-17.	1.2	42
18	Comparison of Short-Duration Levetiracetam with Extended-Course Phenytoin for Seizure Prophylaxis After Subarachnoid Hemorrhage. <i>World Neurosurgery</i> , 2011, 75, 269-274.	0.7	40

#	ARTICLE	IF	CITATIONS
19	RBC Transfusion Improves Cerebral Oxygen Delivery in Subarachnoid Hemorrhage. <i>Critical Care Medicine</i> , 2017, 45, 653-659.	0.4	40
20	Effect of osmotic agents on regional cerebral blood flow in traumatic brain injury. <i>Journal of Critical Care</i> , 2012, 27, 526.e7-526.e12.	1.0	36
21	Effect of High-Dose Simvastatin on Cerebral Blood Flow and Static Autoregulation in Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2016, 25, 56-63.	1.2	36
22	Early Neurological Change After Ischemic Stroke Is Associated With 90-Day Outcome. <i>Stroke</i> , 2021, 52, 132-141.	1.0	36
23	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, 1120-1126.	0.9	35
24	Central Nervous System Complications After Transplantation. <i>Neurologic Clinics</i> , 2011, 29, 943-972.	0.8	34
25	Neurologic Complications of Transplantation. <i>Neurocritical Care</i> , 2018, 28, 4-11.	1.2	34
26	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.	1.1	34
27	Reduction in Cerebrospinal Fluid Volume as an Early Quantitative Biomarker of Cerebral Edema After Ischemic Stroke. <i>Stroke</i> , 2020, 51, 462-467.	1.0	33
28	Effect of Mannitol on Cerebral Blood Volume in Patients With Head Injury. <i>Neurosurgery</i> , 2012, 70, 1215-1219.	0.6	32
29	Early vs Delayed Cerebral Infarction After Aneurysm Repair After Subarachnoid Hemorrhage. <i>Neurosurgery</i> , 2013, 73, 617-623.	0.6	32
30	A Bolus of Conivaptan Lowers Intracranial Pressure in a Patient with Hyponatremia after Traumatic Brain Injury. <i>Neurocritical Care</i> , 2011, 14, 97-102.	1.2	30
31	CSF Volumetric Analysis for Quantification of Cerebral Edema After Hemispheric Infarction. <i>Neurocritical Care</i> , 2016, 24, 420-427.	1.2	30
32	Unilateral Posterior Reversible Encephalopathy Syndrome With Hypertensive Therapy of Contralateral Vasospasm. <i>Neurosurgery</i> , 2011, 69, E1176-E1181.	0.6	28
33	Pattern Not Volume of Bleeding Predicts Angiographic Vasospasm in Nonaneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2014, 45, 265-267.	1.0	24
34	A Randomized Trial of Brief Versus Extended Seizure Prophylaxis After Aneurysmal Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2018, 28, 169-174.	1.2	24
35	Dialysis-Induced Worsening of Cerebral Edema in Intracranial Hemorrhage: A Case Series and Clinical Perspective. <i>Neurocritical Care</i> , 2015, 22, 283-287.	1.2	23
36	Comparison of Initial Vasopressors Used for Delayed Cerebral Ischemia after Aneurysmal Subarachnoid Hemorrhage. <i>Cerebrovascular Diseases</i> , 2017, 43, 266-271.	0.8	22

#	ARTICLE	IF	CITATIONS
37	Factors Associated with Acute and Chronic Hydrocephalus in Nonaneurysmal Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2016, 24, 104-109.	1.2	21
38	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.	1.0	19
39	Utility of Screening for Cerebral Vasospasm Using Digital Subtraction Angiography. <i>Stroke</i> , 2015, 46, 3137-3141.	1.0	19
40	SANGUINATE <sup>®</sup> , <sup>®</sup> (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.	1.2	19
41	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, 318-327.	0.9	18
42	Variation in Osmotic Response to Sustained Mannitol Administration. <i>Neurocritical Care</i> , 2008, 9, 204-209.	1.2	17
43	Relationship Between Angiographic Vasospasm, Cerebral Blood Flow, and Cerebral Infarction After Subarachnoid Hemorrhage. <i>Acta Neurochirurgica Supplementum</i> , 2015, 120, 161-165.	0.5	17
44	Response to a bolus of conivaptan in patients with acute hyponatremia after brain injury. <i>Journal of Critical Care</i> , 2012, 27, 745.e1-745.e5.	1.0	16
45	Reversible Obstructive Hydrocephalus from Hypertensive Encephalopathy. <i>Neurocritical Care</i> , 2012, 16, 433-439.	1.2	16
46	A randomized trial comparing triiodothyronine (T3) with thyroxine (T4) for hemodynamically unstable brain-dead organ donors. <i>Clinical Transplantation</i> , 2019, 33, e13486.	0.8	16
47	Quantitative Serial CT Imaging-Derived Features Improve Prediction of Malignant Cerebral Edema after Ischemic Stroke. <i>Neurocritical Care</i> , 2020, 33, 785-792.	1.2	16
48	Automated quantitative assessment of cerebral edema after ischemic stroke using CSF volumetrics. <i>Neuroscience Letters</i> , 2020, 724, 134879.	1.0	16
49	Evidence for a conditioning effect of inhalational anesthetics on angiographic vasospasm after aneurysmal subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2020, 133, 152-158.	0.9	16
50	Posterior Reversible Encephalopathy Syndrome as a Complication of Induced Hypertension in Subarachnoid Hemorrhage: A Case-Control Study. <i>Neurosurgery</i> , 2019, 85, 223-230.	0.6	15
51	A Randomized Controlled Trial of Naloxone for Optimization of Hypoxemia in Lung Donors After Brain Death. <i>Transplantation</i> , 2019, 103, 1433-1438.	0.5	15
52	Conditioning Effect of Inhalational Anesthetics on Delayed Cerebral Ischemia After Aneurysmal Subarachnoid Hemorrhage. <i>Neurosurgery</i> , 2021, 88, 394-401.	0.6	15
53	Multi-ancestry GWAS reveals excitotoxicity associated with outcome after ischaemic stroke. <i>Brain</i> , 2022, 145, 2394-2406.	3.7	15
54	Anaemia on Admission is Associated with More Severe Intracerebral Haemorrhage and Worse Outcomes. <i>International Journal of Stroke</i> , 2015, 10, 382-387.	2.9	14

#	ARTICLE	IF	CITATIONS
55	A Randomized Trial of Intravenous Thyroxine for Brain-Dead Organ Donors With Impaired Cardiac Function. <i>Progress in Transplantation</i> , 2020, 30, 48-55.	0.4	14
56	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.	0.3	14
57	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.	2.4	14
58	Statins and Anti-Inflammatory Therapies for Subarachnoid Hemorrhage. <i>Current Treatment Options in Neurology</i> , 2012, 14, 164-174.	0.7	13
59	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.	1.1	13
60	Callâ€Fleming Syndrome and Orgasmic Cephalgia. <i>Headache</i> , 2008, 48, 967-971.	1.8	12
61	Acute Effect of Intravenous Sildenafil on Cerebral Blood Flow in Patients with Vasospasm After Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2016, 25, 201-204.	1.2	12
62	Automated Quantification of Reduced Sulcal Volume Identifies Early Brain Injury After Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2021, 52, 1380-1389.	1.0	12
63	Predictors of 30-day readmission after aneurysmal subarachnoid hemorrhage: a case-control study. <i>Journal of Neurosurgery</i> , 2016, 126, 1847-1854.	0.9	10
64	Neurologic complications of transplantation. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2017, 141, 545-572.	1.0	10
65	The Stroke Neuro-Imaging Phenotype Repository: An Open Data Science Platform for Stroke Research. <i>Frontiers in Neuroinformatics</i> , 2021, 15, 597708.	1.3	9
66	Accelerating Prediction of Malignant Cerebral Edema After Ischemic Stroke with Automated Image Analysis and Explainable Neural Networks. <i>Neurocritical Care</i> , 2022, 36, 471-482.	1.2	9
67	Spinal Decerebrate-Like Posturing After Brain Death. <i>Journal of Intensive Care Medicine</i> , 2016, 31, 622-624.	1.3	8
68	Pneumothorax as a Complication of Apnea Testing for Brain Death. <i>Neurocritical Care</i> , 2016, 25, 282-287.	1.2	8
69	Republished: 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-e45.	2.0	7
70	RP11-362K2.2:RP11-767I20.1 Genetic Variation Is Associated with Post-Reperfusion Therapy Parenchymal Hematoma. A GWAS Meta-Analysis. <i>Journal of Clinical Medicine</i> , 2021, 10, 3137.	1.0	6
71	Inhalational Versus Intravenous Anesthetic Conditioning for Subarachnoid Hemorrhageâ€“Induced Delayed Cerebral Ischemia. <i>Stroke</i> , 2022, 53, 904-912.	1.0	6
72	A multicenter randomized placebo-controlled trial of intravenous thyroxine for heart-eligible brain-dead organ donors. <i>Trials</i> , 2021, 22, 852.	0.7	6

#	ARTICLE	IF	CITATIONS
73	NEUROMUSCULAR RESPIRATORY FAILURE. CONTINUUM Lifelong Learning in Neurology, 2009, 15, 40-67.	0.4	5
74	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. Neurohospitalist, The, 2020, 10, 272-276.	0.3	5
75	Automated Measurement of Net Water Uptake From Baseline and Follow-Up CTs in Patients With Large Vessel Occlusion Stroke. Frontiers in Neurology, 0, 13, .	1.1	5
76	Rate of Infarct-Related Edema Growth on CT Predicts Need for Surgical Intervention and Clinical Outcome in Patients with Cerebellar Infarction. Neurocritical Care, 2022, 36, 1011-1021.	1.2	4
77	Diffuse leptomeningeal carcinomatosis mimicking brain death. Journal of the Neurological Sciences, 2015, 352, 132-134.	0.3	3
78	Burden of cerebral hypoperfusion in patients with delayed cerebral ischemia after subarachnoid hemorrhage. Journal of Neurosurgery, 2020, 132, 1872-1879.	0.9	3
79	Cerebral infarction following a seizure in a patient with subarachnoid hemorrhage complicated by delayed cerebral ischemia. , 2011, 2, 14.		2
80	Posterior reversible encephalopathy syndrome with thalamic involvement during vasopressor treatment of vertebrobasilar vasospasm after subarachnoid hemorrhage. BMJ Case Reports, 2015, 2015, bcr2015012103.	0.2	2
81	Navigating the Ocean of Big Data in Neurocritical Care. Neurocritical Care, 0, , .	1.2	2
82	Point-of-care blood gas analyzers have an impact on the acceptance of donor lungs for transplantation. Scandinavian Journal of Clinical and Laboratory Investigation, 2020, 80, 623-629.	0.6	1
83	Neurology Emergencies. Critical Care, 2012, 16, .	2.5	0
84	Cerebral blood flow. , 0, , 20-36.		0
85	Management of vasospasm in subarachnoid hemorrhage. , 0, , 464-479.		0
86	Authors' Response to Sensory Input and Motor Responses After Brain Death Diagnosis. Journal of Intensive Care Medicine, 2017, 32, 175-175.	1.3	0
87	The authors reply. Critical Care Medicine, 2017, 45, e987-e988.	0.4	0
88	Letter to the Editor. Neurocritical Care, 2018, 28, 257-258.	1.2	0
89	Cerebral Blood Flow Physiology and Metabolism in the Neurocritical Care Unit. , 2019, , 11-18.		0
90	Commentary on "Temporal Dynamics of Cerebral Blood Flow During the Acute Course of Severe Subarachnoid Hemorrhage Studied by Bedside Xenon-Enhanced CT". Neurocritical Care, 2019, 30, 291-292.	1.2	0

#	ARTICLE	IF	CITATIONS
91	Response. Neurocritical Care, 2020, 33, 859-859.	1.2	0
92	Commentary on "Midline Shift Greater than 3mm Independently Predicts Outcome After Ischemic Stroke": Neurocritical Care, 2021, , 1.	1.2	0
93	Neurocritical Care. , 2012, , 321-344.		0
94	Commentary. Journal of Neurosciences in Rural Practice, 2013, 4, 49-50.	0.3	0