

# Tumul Chowdhury

## List of Publications by Year in descending order

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93  
papers

1,009  
citations

471509

17  
h-index

526287

27  
g-index

93  
all docs

93  
docs citations

93  
times ranked

729  
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk Factors and Characteristics of Intraoperative Seizures During Awake Craniotomy: A Retrospective Cohort Study of 562 Consecutive Patients With a Space-occupying Brain Lesion. <i>Journal of Neurosurgical Anesthesiology</i> , 2023, 35, 194-200.	1.2	8
2	A Step Further—The Role of Trigemino-cardiac Reflex in Therapeutic Implications: Hypothesis, Evidence, and Experimental Models. <i>Journal of Neurosurgical Anesthesiology</i> , 2022, 34, 364-371.	1.2	1
3	Perioperative Complications and Anesthesia Practices in Managing Patients With Quadriplegia Undergoing Surgery: A Systematic Review. <i>Frontiers in Medicine</i> , 2022, 9, 852892.	2.6	1
4	Management of Acute Ischemic Stroke in the Interventional Neuroradiology Suite During the COVID-19 Pandemic: A Global Survey. <i>Journal of Neurosurgical Anesthesiology</i> , 2021, 33, 44-50.	1.2	10
5	Brain Cancer Progression. <i>Journal of Neurosurgical Anesthesiology</i> , 2021, Publish Ahead of Print, .	1.2	7
6	Reappearance of Neurological Deficits in Pathologic Brain. <i>Journal of Neurosurgical Anesthesiology</i> , 2021, Publish Ahead of Print, 14-20.	1.2	1
7	Mechanical Thrombectomy for Stroke and COVID-19 Pandemic: A Critical Insight for Anesthesiologists. <i>Frontiers in Medicine</i> , 2021, 8, 674034.	2.6	0
8	Pathophysiology of Cerebral Edema—A Comprehensive Review. <i>Journal of Neuroanaesthesia and Critical Care</i> , 2021, 08, 163-172.	0.2	13
9	The Trigemino-cardiac Reflex and Implications for Neuroanesthesia. <i>Journal of Neurosurgical Anesthesiology</i> , 2021, 33, 5-7.	1.2	2
10	Effect of Daytime Versus Night-time on Outcome in Patients Undergoing Emergent Neurosurgical Procedures. <i>Journal of Neurosurgical Anesthesiology</i> , 2020, 32, 315-322.	1.2	4
11	Using strength-duration analysis to identify the afferent limb of the lateral spread response in hemifacial spasm patients during microvascular decompression surgery. <i>Journal of Clinical Neuroscience</i> , 2020, 74, 6-10.	1.5	3
12	Awake Craniotomy Under 3-Tesla Intraoperative Magnetic Resonance Imaging. <i>Journal of Neurosurgical Anesthesiology</i> , 2020, Publish Ahead of Print, e46-e51.	1.2	4
13	The Effects of Anesthetics on Glioma Progression. <i>Journal of Neurosurgical Anesthesiology</i> , 2020, Publish Ahead of Print, .	1.2	2
14	Brain and Heart Crosstalk During Neurointerventional Procedures. <i>Journal of Neurosurgical Anesthesiology</i> , 2020, Publish Ahead of Print, .	1.2	6
15	The trigemino-cardiac reflex: the course of the emerged definition over the last 21 years. <i>Future Neurology</i> , 2020, 15, .	0.5	0
16	Year in Review: Synopsis of Selected Articles in Neuroanesthesia and Neurocritical Care from 2018. <i>Journal of Neuroanaesthesia and Critical Care</i> , 2019, 06, 018-023.	0.2	0
17	Photoc sneeze reflex: another variant of the trigemino-cardiac reflex?. <i>Future Neurology</i> , 2019, 14, FNL32.	0.5	2
18	Anesthesia for Awake Craniotomy for Brain Tumors in an Intraoperative MRI Suite: Challenges and Evidence. <i>Frontiers in Oncology</i> , 2018, 8, 519.	2.8	9

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19	The Role of Intraoperative MRI in Awake Neurosurgical Procedures: A Systematic Review. <i>Frontiers in Oncology</i> , 2018, 8, 434.	2.8	7
20	Letter to the Editor Regarding "Evidences in Neurological Surgery and a Cutting Edge Classification of the Trigemino-cardiac Reflex: A Systematic Review". <i>World Neurosurgery</i> , 2018, 119, 450.	1.3	0
21	Trigemino-cardiac reflex: an overview. , 2018, 86, 276-282.		1
22	Analysis of facial motor evoked potentials for assessing a central mechanism in hemifacial spasm. <i>Journal of Neurosurgery</i> , 2017, 126, 379-385.	1.6	12
23	Trigemino-cardiac reflex in cerebrovascular surgery: a review and an attempt of a predictive analysis. <i>Expert Review of Cardiovascular Therapy</i> , 2017, 15, 203-209.	1.5	12
24	The Role of Simulation in Planning Intraoperative Magnetic Resonance Imaging-Guided Neurosurgical Procedures. <i>A &amp; A Case Reports</i> , 2017, 8, 158-160.	0.7	3
25	Rhinitis and sleep disorders: The trigemino-cardiac reflex link?. <i>Medical Hypotheses</i> , 2017, 103, 96-99.	1.5	8
26	The Trigemino-cardiac Reflex: Is Treatment With Atropine Still Justified?. <i>Journal of Neurosurgical Anesthesiology</i> , 2017, 29, 372-373.	1.2	12
27	The negative chronotropic effect during lumbar spine surgery. <i>Medicine (United States)</i> , 2017, 96, e5436.	1.0	14
28	The clinical surrogate definition of the trigemino-cardiac reflex. <i>Medicine (United States)</i> , 2017, 96, e9033.	1.0	13
29	Perioperative Factors Contributing the Post-Craniotomy Pain: A Synthesis of Concepts. <i>Frontiers in Medicine</i> , 2017, 4, 23.	2.6	27
30	Chronic Trigemino-Cardiac Reflex: An Underestimated Truth. <i>Frontiers in Neurology</i> , 2017, 8, 22.	2.4	10
31	Sleep Disorders: Is the Trigemino-Cardiac Reflex a Missing Link?. <i>Frontiers in Neurology</i> , 2017, 8, 63.	2.4	15
32	Definition and Diagnosis of the Trigemino-cardiac Reflex: A Grounded Theory Approach for an Update. <i>Frontiers in Neurology</i> , 2017, 8, 533.	2.4	38
33	Hemodynamic Perturbations in Deep Brain Stimulation Surgery: First Detailed Description. <i>Frontiers in Neuroscience</i> , 2017, 11, 477.	2.8	4
34	Editorial: The Trigemino-cardiac Reflex: Beyond the Diving Reflex. <i>Frontiers in Neuroscience</i> , 2017, 11, 673.	2.8	9
35	Trigemino-cardiac reflex: beyond a skull base reflex. <i>Future Neurology</i> , 2017, 12, 117-120.	0.5	0
36	Brain and heart connections: The trigemino-cardiac reflex!. <i>Journal of Neuroanaesthesiology and Critical Care</i> , 2017, 04, 071-077.	0.2	11

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37	Severe hypotension in transforaminal lumbar interbody fusion surgery: Is it vasovagal or?. Journal of Innovative Optical Health Sciences, 2017, 12, 149-150.	1.0	4
38	The Role of Acute Trigemino-Cardiac Reflex in Unusual, Non-Surgical Cases: A Review. Frontiers in Neurology, 2016, 7, 186.	2.4	7
39	Sudden Infant Death Syndrome " Role of Trigemino-cardiac Reflex: A Review. Frontiers in Neurology, 2016, 7, 221.	2.4	20
40	Meta-areas of the Trigemino-cardiac Reflex Within the Skull Base: A Neuroanatomic "Thinking" Model. Journal of Neurosurgical Anesthesiology, 2016, 28, 437-438.	1.2	12
41	Key to Prevention of Bradycardia. Medicine (United States), 2016, 95, e3733.	1.0	4
42	How to apply case reports in clinical practice using surrogate models via example of the trigeminocardiac reflex. Journal of Medical Case Reports, 2016, 10, 84.	0.8	14
43	Anesthetics impact on cancer recurrence: What do we know?. Journal of Cancer Research and Therapeutics, 2016, 12, 464.	0.9	18
44	Anesthetic Influence on Occurrence and Treatment of the Trigemino-Cardiac Reflex. Medicine (United States), 2015, 94, e2118.	1.0	15
45	Severe Bradycardia During Neurosurgical Procedure. Medicine (United States), 2015, 94, e2118.	1.0	15
46	Molecular imaging for stem cell therapy in the brain. Stem Cell Research and Therapy, 2015, 6, 252.	5.5	2
47	State of the art paper The trigeminocardiac reflex " a comparison with the diving reflex in humans. Archives of Medical Science, 2015, 2, 419-426.	0.9	40
48	Cardiac Emergencies in Neurosurgical Patients. BioMed Research International, 2015, 2015, 1-14.	1.9	27
49	The Trigemino-cardiac Reflex " An Example of Reflexive Heart Rhythm Change. , 2015, , .		0
50	Trigemino-cardiac Reflex. Journal of Neurosurgical Anesthesiology, 2015, 27, 136-147.	1.2	114
51	The Trigeminal Nerve. , 2015, , 9-35.		1
52	The Trigemino-cardiac Reflex in Neurological Disorders. , 2015, , 145-151.		1
53	Is hemifacial spasm a phenomenon of the central nervous system? " The role of desflurane on the lateral spread response. Clinical Neurophysiology, 2015, 126, 1354-1359.	1.5	11
54	Trigemino-cardiac Reflex. , 2015, , 65-79.		2

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55	The Oculocardiac Reflex. , 2015, , 89-99.		5
56	The Trigemino-cardiac Reflex During Subarachnoid Hemorrhage and Neurovascular Surgery. , 2015, , 113-127.		0
57	Anesthesia and the Trigemino-cardiac Reflex. , 2015, , 153-167.		2
58	The Future Role of the Trigemino-cardiac Reflex. , 2015, , 233-238.		0
59	Trigemino-cardiac reflex during cerebellopontine angle surgery: anatomical location as a new risk factor. Future Neurology, 2015, 10, 7-13.	0.5	13
60	Classification of Meningiomas in the Cerebellopontine Angle. Tumors of the Central Nervous System, 2015, , 43-53.	0.1	0
61	Pre-hospital and initial management of head injury patients: An update. Saudi Journal of Anaesthesia, 2014, 8, 114.	0.7	20
62	Coronary Spasm in Neurosurgical Patients and Role of Trigemino-cardiac Reflex. Neurology Research International, 2014, 2014, 1-5.	1.3	26
63	See-saw pattern in ventilator graphic: Is there any story behind?. Nigerian Medical Journal, 2014, 55, 359.	0.6	2
64	Anaesthesia in underdeveloped world: Present scenario and future challenges. Nigerian Medical Journal, 2014, 55, 1.	0.6	37
65	Trigemino-cardiac reflex: current trends. Expert Review of Cardiovascular Therapy, 2014, 12, 9-11.	1.5	19
66	Immediate postoperative complications in transsphenoidal pituitary surgery: A prospective study. Saudi Journal of Anaesthesia, 2014, 8, 335.	0.7	44
67	Early cognitive decline in pituitary surgery: is nitrous oxide the culprit?. Future Neurology, 2014, 9, 579-585.	0.5	3
68	Specific intensive care management of patients with traumatic brain injury: Present and future. Saudi Journal of Anaesthesia, 2014, 8, 268.	0.7	8
69	General intensive care for patients with traumatic brain injury: An update. Saudi Journal of Anaesthesia, 2014, 8, 256.	0.7	8
70	Controversies in the Anesthetic Management of Intraoperative Rupture of Intracranial Aneurysm. Anesthesiology Research and Practice, 2014, 2014, 1-10.	0.7	13
71	Trigemino-cardiac reflex: differential behavior and risk factors in the course of the trigeminal nerve. Future Neurology, 2014, 9, 41-47.	0.5	39
72	Retrogasserian Glycerol Rhizolysis. Journal of Neurosurgical Anesthesiology, 2014, 26, 86-87.	1.2	20

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73	The Need for Development of Protocol for Managing Refractory Cerebral Vasospasm. Journal of Neurosurgical Anesthesiology, 2014, 26, 264-265.	1.2	0
74	Chronic Trigemino-Cardiac Reflex in Patient With Orbital Floor Fracture. Journal of Neurosurgical Anesthesiology, 2014, 26, 91-92.	1.2	22
75	Extubation time in neurosurgical patients: does it matter?. Journal of Anesthesia, 2013, 27, 476-476.	1.7	0
76	Perioperative considerations for neurosurgical procedures in the gravid patient: Continuing Professional Development. Canadian Journal of Anaesthesia, 2013, 60, 1139-1155.	1.6	24
77	Peripheral trigeminocardiac reflex. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2013, 34, 616.	1.3	9
78	Severe bradycardia during scalp nerve block in patient undergoing awake craniotomy. Saudi Journal of Anaesthesia, 2013, 7, 356.	0.7	9
79	Intravenous lignocaine for treatment of refractory ileus following spinal cord injury. Indian Journal of Critical Care Medicine, 2013, 17, 264-264.	0.9	0
80	Role of colloids in traumatic brain injury: Use or not to be used?. Journal of Anaesthesiology Clinical Pharmacology, 2013, 29, 299.	0.7	9
81	Single transducer technique: A novel and cost effective approach. Nigerian Medical Journal, 2013, 54, 285.	0.6	0
82	Early brain injury and subarachnoid hemorrhage: Where are we at present?. Saudi Journal of Anaesthesia, 2013, 7, 187.	0.7	6
83	Recurrent bradycardia and asystole in a patient undergoing supratentorial tumor resection: Different types of trigeminal cardiac reflex in same patients. Saudi Journal of Anaesthesia, 2013, 7, 216.	0.7	5
84	Chronic haemodynamic disturbances in neurointensive care: First description. Nigerian Medical Journal, 2013, 54, 361.	0.6	1
85	Airway management in patient with retropharyngeal cerebrospinal fluid collection with pre-existing multiple airway problems. Saudi Journal of Anaesthesia, 2013, 7, 353.	0.7	0
86	Anesthesia for feeding jejunostomy in a case of difficult airway: A novel approach. Saudi Journal of Anaesthesia, 2013, 7, 486.	0.7	3
87	Airway management for oral surgery in a patient with repaired cleft palate. Saudi Journal of Anaesthesia, 2013, 7, 490.	0.7	1
88	Role of Midazolam in Parkinsonian Tremors: To Use or Not to Use. Canadian Journal of Neurological Sciences, 2013, 40, 616-616.	0.5	1
89	Acute Neurological Complication in Awake Craniotomy; - A Diagnostic Dilemma. Canadian Journal of Neurological Sciences, 2013, 40, 617-618.	0.5	0
90	Intraoperative Asystole in a Patient Undergoing Craniotomy Under Monitored Anesthesia Care. Journal of Neurosurgical Anesthesiology, 2013, 25, 92-93.	1.2	24

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91	Perioperative Variables Contributing to the Rupture of Intracranial Aneurysm: An Update. Scientific World Journal, The, 2013, 2013, 1-7.	2.1	14
92	Neuroanesthetic considerations for emergent extracranial surgeries: What to know?. Saudi Journal of Anaesthesia, 2012, 6, 408.	0.7	2
93	Asystole During Airway Manipulation in Neurosurgical Patient:Causes and Management. International Journal of Anesthesiology & Research, 0, , 01-02.	1.0	0