

Shaun E Gruenbaum

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

1,328
citations

361413

20
h-index

395702

33
g-index

65
all docs

65
docs citations

65
times ranked

1849
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroprotection by Estrogen and Progesterone in Traumatic Brain Injury and Spinal Cord Injury. <i>Current Neuropharmacology</i> , 2016, 14, 641-653.	2.9	160
2	Pharmacologic Neuroprotection for Functional Outcomes After Traumatic Brain Injury: A Systematic Review of the Clinical Literature. <i>CNS Drugs</i> , 2016, 30, 791-806.	5.9	65
3	The Glutamate–Glutamine Cycle in Epilepsy. <i>Advances in Neurobiology</i> , 2016, 13, 351-400.	1.8	57
4	The Neuroprotective Effects of Oxaloacetate in Closed Head Injury in Rats is Mediated by its Blood Glutamate Scavenging Activity. <i>Journal of Neurosurgical Anesthesiology</i> , 2009, 21, 235-241.	1.2	53
5	The Effects of Estrogen and Progesterone on Blood Glutamate Levels: Evidence from Changes of Blood Glutamate Levels During the Menstrual Cycle in Women. <i>Biology of Reproduction</i> , 2011, 84, 581-586.	2.7	51
6	Pyruvate's blood glutamate scavenging activity contributes to the spectrum of its neuroprotective mechanisms in a rat model of stroke. <i>European Journal of Neuroscience</i> , 2011, 34, 1432-1441.	2.6	47
7	Brain to blood glutamate scavenging as a novel therapeutic modality: a review. <i>Journal of Neural Transmission</i> , 2014, 121, 971-979.	2.8	45
8	Neuroprotective Effects of Intravenous Anesthetics: A New Critical Perspective. <i>Current Pharmaceutical Design</i> , 2014, 20, 5469-5475.	1.9	43
9	Anaesthesia for deep brain stimulation. <i>Current Opinion in Anaesthesiology</i> , 2015, 28, 505-510.	2.0	41
10	Selective deletion of glutamine synthetase in the mouse cerebral cortex induces glial dysfunction and vascular impairment that precede epilepsy and neurodegeneration. <i>Neurochemistry International</i> , 2019, 123, 22-33.	3.8	39
11	An experimental model of focal ischemia using an internal carotid artery approach. <i>Journal of Neuroscience Methods</i> , 2010, 193, 246-253.	2.5	38
12	Recent trends in the anesthetic management of craniotomy for supratentorial tumor resection. <i>Current Opinion in Anaesthesiology</i> , 2016, 29, 552-557.	2.0	35
13	Establishment of an animal model of depression contagion. <i>Behavioural Brain Research</i> , 2015, 281, 358-363.	2.2	34
14	Morphological and neuro-behavioral parallels in the rat model of stroke. <i>Behavioural Brain Research</i> , 2011, 223, 17-23.	2.2	33
15	Pharmacokinetics of Glutamate–Oxaloacetate Transaminase and Glutamate–Pyruvate Transaminase and Their Blood Glutamate-Lowering Activity in Na ⁺ -ve Rats. <i>Neurochemical Research</i> , 2012, 37, 2198-2205.	3.3	33
16	Determination of Factors Affecting Glutamate Concentrations in the Whole Blood of Healthy Human Volunteers. <i>Journal of Neurosurgical Anesthesiology</i> , 2011, 23, 45-49.	1.2	32
17	Association between Hypophosphatemia and Cardiac Arrhythmias in the Early Stage of Sepsis: Could Phosphorus Replacement Treatment Reduce the Incidence of Arrhythmias?. <i>Electrolyte and Blood Pressure</i> , 2014, 12, 19.	1.8	30
18	Comparison of the effectiveness of high flow nasal oxygen cannula vs. standard non-rebreather oxygen face mask in post-extubation intensive care unit patients. <i>Israel Medical Association Journal</i> , 2014, 16, 718-22.	0.1	28

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19	Multidrug Resistance Acinetobacter Bacteremia Secondary to Ventilator-Associated Pneumonia: Risk Factors and Outcome. <i>Journal of Intensive Care Medicine</i> , 2017, 32, 528-534.	2.8	25
20	The Effects of Peritoneal Dialysis on Blood Glutamate Levels. <i>Journal of Neurosurgical Anesthesiology</i> , 2013, 25, 262-266.	1.2	24
21	Cerebral protection during neurosurgery and stroke. <i>Current Opinion in Anaesthesiology</i> , 2015, 28, 532-536.	2.0	21
22	Spine Surgery Under Spinal vs General Anesthesia: Prospective Analysis of Quality of Life, Fatigue, and Cognition. <i>Neurosurgery</i> , 2022, 90, 186-191.	1.1	19
23	Anesthetic Management of Patients with Congenital Insensitivity to Pain with Anhidrosis. <i>Anesthesia and Analgesia</i> , 2015, 121, 1316-1320.	2.2	18
24	Physiology, intervention, and outcome: three critical questions about cerebral tissue oxygen saturation monitoring. <i>Minerva Anestesiologica</i> , 2018, 84, 599-614.	1.0	18
25	Astroglial Glutamine Synthetase and the Pathogenesis of Mesial Temporal Lobe Epilepsy. <i>Frontiers in Neurology</i> , 2021, 12, 665334.	2.4	18
26	Extracorporeal methods of blood glutamate scavenging: a novel therapeutic modality. <i>Expert Review of Neurotherapeutics</i> , 2015, 15, 501-508.	2.8	17
27	Severe Intraoperative Hyperglycemia Is Independently Associated With Postoperative Composite Infection After Craniotomy: An Observational Study. <i>Anesthesia and Analgesia</i> , 2017, 125, 556-561.	2.2	17
28	Absence seizures and their relationship to depression and anxiety: Evidence for bidirectionality. <i>Epilepsia</i> , 2021, 62, 1041-1056.	5.1	17
29	Red blood cell transfusion in neurosurgical patients. <i>Current Opinion in Anaesthesiology</i> , 2014, 27, 470-473.	2.0	16
30	5-Aminovaleric acid suppresses the development of severe seizures in the methionine sulfoximine model of mesial temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2014, 67, 18-23.	4.4	16
31	Effects of site-specific infusions of methionine sulfoximine on the temporal progression of seizures in a rat model of mesial temporal lobe epilepsy. <i>Epilepsy Research</i> , 2015, 115, 45-54.	1.6	16
32	Spinal versus general anesthesia for minimally invasive transforaminal lumbar interbody fusion: implications on operating room time, pain, and ambulation. <i>Neurosurgical Focus</i> , 2021, 51, E3.	2.3	16
33	The Effect of Hyperthermia on Blood Glutamate Levels. <i>Anesthesia and Analgesia</i> , 2010, 111, 1497-1504.	2.2	15
34	Neurophysiological monitoring during neurosurgery. <i>Current Opinion in Anaesthesiology</i> , 2019, 32, 580-584.	2.0	15
35	Inhibition of glutamine synthetase in the central nucleus of the amygdala induces anhedonic behavior and recurrent seizures in a rat model of mesial temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2015, 51, 96-103.	1.7	14
36	Branched-Chain Amino Acids and Seizures: A Systematic Review of the Literature. <i>CNS Drugs</i> , 2019, 33, 755-770.	5.9	12

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37	Network-Related Changes in Neurotransmitters and Seizure Propagation During Rodent Epileptogenesis. <i>Neurology</i> , 2021, 96, e2261-e2271.	1.1	11
38	Effects of strong physical exercise on blood glutamate and its metabolite 2-ketoglutarate levels in healthy volunteers. <i>Acta Neurobiologiae Experimentalis</i> , 2012, 72, 385-96.	0.7	11
39	Morbidity and Mortality Associated with Renal Insufficiency and Endovascular Repair of Abdominal Aortic Aneurysms: A 5-Year Experience. <i>Vascular and Endovascular Surgery</i> , 2004, 38, 143-148.	0.7	10
40	Risk of aspiration during anesthesia in patients with congenital insensitivity to pain with anhidrosis: case reports and review of the literature. <i>Journal of Anesthesia</i> , 2010, 24, 778-782.	1.7	10
41	The Role of Hypothermia in the Regulation of Blood Glutamate Levels in Naive Rats. <i>Journal of Neurosurgical Anesthesiology</i> , 2013, 25, 174-183.	1.2	10
42	Bedside Percutaneous Tracheostomy versus Open Surgical Tracheostomy in Non-ICU Patients. <i>Critical Care Research and Practice</i> , 2014, 2014, 1-5.	1.1	10
43	The Activation of β_2 -Adrenergic Receptors in Na ⁺ -ve Rats Causes a Reduction of Blood Glutamate Levels: Relevance to Stress and Neuroprotection. <i>Neurochemical Research</i> , 2011, 36, 732-738.	3.3	9
44	Effects of Branched-Chain Amino Acid Supplementation on Spontaneous Seizures and Neuronal Viability in a Model of Mesial Temporal Lobe Epilepsy. <i>Journal of Neurosurgical Anesthesiology</i> , 2019, 31, 247-256.	1.2	8
45	Blood Glutamate Reducing Effect of Hemofiltration in Critically Ill Patients. <i>Neurotoxicity Research</i> , 2018, 33, 300-308.	2.7	7
46	The effect of depressive-like behavior and antidepressant therapy on social behavior and hierarchy in rats. <i>Behavioural Brain Research</i> , 2019, 370, 111953.	2.2	7
47	Reduced Pain and Opioid Use in the Early Postoperative Period in Patients Undergoing a Frontotemporal Craniotomy under Regional vs General Anesthesia. <i>World Neurosurgery</i> , 2021, 150, e31-e37.	1.3	7
48	Content analysis of ethical codes written by medical students compared with other codes of medical ethics. <i>European Journal of Internal Medicine</i> , 2009, 20, e101-e104.	2.2	6
49	Use of Early Inhaled Nitric Oxide Therapy in Fat Embolism Syndrome to Prevent Right Heart Failure. <i>Case Reports in Critical Care</i> , 2014, 2014, 1-4.	0.4	6
50	Increased branched-chain amino acids at baseline and hours before a spontaneous seizure in the human epileptic brain. <i>Epilepsia</i> , 2021, 62, e88-e97.	5.1	6
51	Anatomical location of arterial and venous lines significantly affects motor performance in rats. <i>Animal Science Journal</i> , 2012, 83, 656-662.	1.4	5
52	Postoperative ICU management of patients after subarachnoid hemorrhage. <i>Current Opinion in Anaesthesiology</i> , 2014, 27, 489-493.	2.0	4
53	Circadian-Like Rhythmicity of Extracellular Brain Glutamate in Epilepsy. <i>Frontiers in Neurology</i> , 2020, 11, 398.	2.4	4
54	Perioperative Glycemia Management in Patients Undergoing Craniotomy for Brain Tumor Resection: A Global Survey of Neuroanesthesiologists' Perceptions and Practices. <i>World Neurosurgery</i> , 2021, 155, e548-e563.	1.3	3

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55	Airway Management in an Anatomically and Physiologically Difficult Airway. <i>Cureus</i> , 2020, 12, e10638.	0.5	3
56	Emergency Airway Management During Awake Craniotomy: Comparison of 5 Techniques in a Cadaveric Model. <i>Journal of Neurosurgical Anesthesiology</i> , 2022, 34, 74-78.	1.2	3
57	Awake fiberoptic intubation and general anesthesia in a parturient with mirror syndrome and a predicted difficult airway. <i>Israel Medical Association Journal</i> , 2011, 13, 640-2.	0.1	3
58	Neuroanesthesiology. <i>Current Opinion in Anaesthesiology</i> , 2018, 31, 499-500.	2.0	2
59	Intraoperative management of thrombectomy for acute ischemic stroke: Do we need general anesthesia?. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2021, 35, 171-179.	4.0	2
60	Oral glutamine supplementation increases seizure severity in a rodent model of mesial temporal lobe epilepsy. <i>Nutritional Neuroscience</i> , 2020, , 1-6.	3.1	1
61	5 Oral Administration of Branched-Chain Amino Acids Results in Increased Seizure Threshold and Loss of Hippocampal Neurons in a Rodent Model of Mesial Temporal Lobe Epilepsy. <i>American Journal of Clinical Pathology</i> , 2018, 149, S165-S166.	0.7	0
62	2235 15N-Leucine transport across the blood brain barrier is significantly impaired in the glutamine synthetase-inhibited brain. <i>Journal of Clinical and Translational Science</i> , 2018, 2, 1-1.	0.6	0
63	Induction of General Anesthesia and Mask Ventilation With a Full-Face Continuous Positive Airway Pressure Mask in a Patient With a Nose Deformity. <i>Cureus</i> , 2020, 12, e9475.	0.5	0
64	Impact of Antibiotic Therapy during Bedside Percutaneous Tracheotomy procedure in an Intensive Care. <i>Journal of Acute Medicine</i> , 2017, 7, 24-30.	0.2	0