

George A Mashour

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11288138/publications.pdf>

Version: 2024-02-01

259
papers

10,370
citations

31902

53
h-index

48187

88
g-index

270
all docs

270
docs citations

270
times ranked

6513
citing authors

#	ARTICLE	IF	CITATIONS
1	Urethane anaesthesia exhibits neurophysiological correlates of unconsciousness and is distinct from sleep. <i>European Journal of Neuroscience</i> , 2024, 59, 483-501.	1.2	10
2	The posterior dominant rhythm: an electroencephalographic biomarker for cognitive recovery after general anaesthesia. <i>British Journal of Anaesthesia</i> , 2023, 130, e233-e242.	1.5	9
3	Linking and unlinking the paediatric brain: age-invariant neural correlates of general anaesthesia. <i>British Journal of Anaesthesia</i> , 2023, 130, e215-e216.	1.5	0
4	Dynamic reconfiguration of frequency-specific cortical coactivation patterns during psychedelic and anesthetized states induced by ketamine. <i>NeuroImage</i> , 2022, 249, 118891.	2.1	6
5	General Anesthesia and Postoperative Neurocognitive Outcomes. <i>JAMA - Journal of the American Medical Association</i> , 2022, 327, 36.	3.8	9
6	Correlation between brain tissue oxygen tension and regional cerebral oximetry in uninjured human brain under conditions of changing ventilation strategy. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 1227-1232.	0.7	1
7	Propofol Anesthesia: A Leap into the Void?. <i>Anesthesiology</i> , 2022, 136, 405-407.	1.3	1
8	Constrained Functional Connectivity Dynamics in Pediatric Surgical Patients Undergoing General Anesthesia. <i>Anesthesiology</i> , 2022, 137, 28-40.	1.3	3
9	Ketamine Analgesia and Psychedelia: Can We Dissociate Dissociation?. <i>Anesthesiology</i> , 2022, 136, 675-677.	1.3	6
10	Cortical Acetylcholine Levels Correlate With Neurophysiologic Complexity During Subanesthetic Ketamine and Nitrous Oxide Exposure in Rats. <i>Anesthesia and Analgesia</i> , 2022, 134, 1126-1139.	1.1	7
11	Inactivation of Prefrontal Cortex Attenuates Behavioral Arousal Induced by Stimulation of Basal Forebrain During Sevoflurane Anesthesia. <i>Anesthesia and Analgesia</i> , 2022, 134, 1140-1152.	1.1	9
12	Effect of Combined Dexmedetomidine and Sevoflurane Sedation on Sleep Homeostasis in Sprague Dawley Rat. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
13	Altered network architecture of functional brain communities in chronic nociplastic pain. <i>NeuroImage</i> , 2021, 226, 117504.	2.1	20
14	Consciousness, Anesthesia, and Acetylcholine. <i>Anesthesiology</i> , 2021, 134, 515-517.	1.3	5
15	Brain network motifs are markers of loss and recovery of consciousness. <i>Scientific Reports</i> , 2021, 11, 3892.	1.6	10
16	Glutamatergic Neurons in the Preoptic Hypothalamus Promote Wakefulness, Destabilize NREM Sleep, Suppress REM Sleep, and Regulate Cortical Dynamics. <i>Journal of Neuroscience</i> , 2021, 41, 3462-3478.	1.7	27
17	Neural Correlates of the Shamanic State of Consciousness. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 610466.	1.0	15
18	Recovery of consciousness and cognition after general anesthesia in humans. <i>ELife</i> , 2021, 10, .	2.8	47

#	ARTICLE	IF	CITATIONS
19	The Effects of Intraoperative Caffeine on Postoperative Opioid Consumption and Related Outcomes After Laparoscopic Surgery: A Randomized Controlled Trial. <i>Anesthesia and Analgesia</i> , 2021, 133, 233-242.	1.1	12
20	Anterior insula regulates brain network transitions that gate conscious access. <i>Cell Reports</i> , 2021, 35, 109081.	2.9	46
21	Neural Dynamics in Primate Cortex during Exposure to Subanesthetic Concentrations of Nitrous Oxide. <i>ENeuro</i> , 2021, 8, ENEURO.0479-20.2021.	0.9	0
22	Inactivation of Prefrontal Cortex Delays Emergence From Sevoflurane Anesthesia. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 690717.	1.2	10
23	The Cognitive Neuraxis: Epidurals and Postoperative Delirium. <i>Anesthesiology</i> , 2021, 135, 197-199.	1.3	1
24	Differential classification of states of consciousness using envelope- and phase-based functional connectivity. <i>NeuroImage</i> , 2021, 237, 118171.	2.1	14
25	Asymmetric neural dynamics characterize loss and recovery of consciousness. <i>NeuroImage</i> , 2021, 236, 118042.	2.1	20
26	Distinct and Dissociable EEG Networks Are Associated With Recovery of Cognitive Function Following Anesthesia-Induced Unconsciousness. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 706693.	1.0	2
27	Neurophysiologic Complexity in Children Increases with Developmental Age and Is Reduced by General Anesthesia. <i>Anesthesiology</i> , 2021, 135, 813-828.	1.3	4
28	Criticality Creates a Functional Platform for Network Transitions Between Internal and External Processing Modes in the Human Brain. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 657809.	1.2	9
29	Repurposing Propofol as a Prognostic Probe for Return of Consciousness. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, , .	2.5	0
30	Delirium, Caffeine, and Perioperative Cortical Dynamics. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 744054.	1.0	5
31	Pharmacologically informed machine learning approach for identifying pathological states of unconsciousness via resting-state fMRI. <i>NeuroImage</i> , 2020, 206, 116316.	2.1	31
32	Level of Consciousness Is Dissociable from Electroencephalographic Measures of Cortical Connectivity, Slow Oscillations, and Complexity. <i>Journal of Neuroscience</i> , 2020, 40, 605-618.	1.7	72
33	Targeting network hubs with noninvasive brain stimulation in patients with fibromyalgia. <i>Pain</i> , 2020, 161, 43-46.	2.0	6
34	Alpha band frontal connectivity is a state-specific electroencephalographic correlate of unresponsiveness during exposure to dexmedetomidine and propofol. <i>British Journal of Anaesthesia</i> , 2020, 125, 518-528.	1.5	17
35	State-Dependent and Bandwidth-Specific Effects of Ketamine and Propofol on Electroencephalographic Complexity in Rats. <i>Frontiers in Systems Neuroscience</i> , 2020, 14, 50.	1.2	11
36	Perioperative Care of Patients at High Risk for Stroke During or After Non-cardiac, Non-neurological Surgery: 2020 Guidelines From the Society for Neuroscience in Anesthesiology and Critical Care. <i>Journal of Neurosurgical Anesthesiology</i> , 2020, 32, 210-226.	0.6	36

#	ARTICLE	IF	CITATIONS
37	Temporal circuit of macroscale dynamic brain activity supports human consciousness. <i>Science Advances</i> , 2020, 6, eaaz0087.	4.7	119
38	Conscious Processing and the Global Neuronal Workspace Hypothesis. <i>Neuron</i> , 2020, 105, 776-798.	3.8	487
39	Activation of Preoptic GABAergic or Glutamatergic Neurons Modulates Sleep-Wake Architecture, but Not Anesthetic State Transitions. <i>Current Biology</i> , 2020, 30, 779-787.e4.	1.8	62
40	Genetic mutations associated with susceptibility to perioperative complications in a longitudinal biorepository with integrated genomic and electronic health records. <i>British Journal of Anaesthesia</i> , 2020, 125, 986-994.	1.5	9
41	Altered Global Brain Signal during Physiologic, Pharmacologic, and Pathologic States of Unconsciousness in Humans and Rats. <i>Anesthesiology</i> , 2020, 132, 1392-1406.	1.3	45
42	Carbachol and Nicotine in Prefrontal Cortex Have Differential Effects on Sleep-Wake States. <i>Frontiers in Neuroscience</i> , 2020, 14, 567849.	1.4	6
43	Assessing the Anesthetized State with the Electroencephalogram. , 2020, , 43-47.		1
44	Modern Anesthetic Ethers Demonstrate Quantum Interactions with Entangled Photons. <i>Scientific Reports</i> , 2019, 9, 11351.	1.6	15
45	Uncovering covert stroke in surgical patients. <i>Lancet, The</i> , 2019, 394, 982-984.	6.3	2
46	Role of cortical feedback signalling in consciousness and anaesthetic-induced unconsciousness. <i>British Journal of Anaesthesia</i> , 2019, 123, 404-405.	1.5	3
47	Independent discussion sections for improving inferential reproducibility in published research. <i>British Journal of Anaesthesia</i> , 2019, 122, 413-420.	1.5	22
48	Paradoxical lucidity: A potential paradigm shift for the neurobiology and treatment of severe dementias. <i>Alzheimer's and Dementia</i> , 2019, 15, 1107-1114.	0.4	36
49	Cerebrovascular Disease and Perioperative Neurologic Vulnerability: A Prospective Cohort Study. <i>Frontiers in Neurology</i> , 2019, 10, 560.	1.1	11
50	General Anesthesia Does Not Have Persistent Effects on Attention in Rodents. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 76.	1.0	10
51	0140 Chemogenetic Activation of GABAergic and Glutamatergic Neurons in the Median Preoptic Nucleus Does Not Alter Isoflurane Anesthesia. <i>Sleep</i> , 2019, 42, A57-A58.	0.6	0
52	Functional and neurochemical disruptions of brain hub topology in chronic pain. <i>Pain</i> , 2019, 160, 973-983.	2.0	56
53	Cortical dynamics during psychedelic and anesthetized states induced by ketamine. <i>NeuroImage</i> , 2019, 196, 32-40.	2.1	66
54	The Biology of General Anesthesia from Paramecium to Primate. <i>Current Biology</i> , 2019, 29, R1199-R1210.	1.8	66

#	ARTICLE	IF	CITATIONS
55	General Anesthesia and the Cortex. <i>Anesthesiology</i> , 2019, 130, 526-527.	1.3	1
56	Escape From Oblivion: Neural Mechanisms of Emergence From General Anesthesia. <i>Anesthesia and Analgesia</i> , 2019, 128, 726-736.	1.1	47
57	Maternal Noninfectious Fever Enhances Cell Proliferation and Microglial Activation in the Neonatal Rat Dentate Gyrus. <i>Anesthesia and Analgesia</i> , 2019, 128, 1190-1198.	1.1	5
58	Perioperative Epidural Use and Risk of Delirium in Surgical Patients: A Secondary Analysis of the PODCAST Trial. <i>Anesthesia and Analgesia</i> , 2019, 128, 944-952.	1.1	17
59	Dynamic Cortical Connectivity during General Anesthesia in Healthy Volunteers. <i>Anesthesiology</i> , 2019, 130, 870-884.	1.3	54
60	Pharmacologic Unmasking of Neurologic Deficits. <i>Anesthesiology</i> , 2019, 131, 5-6.	1.3	10
61	Are There Common Network-level Correlates of the Anesthetized Brain in Infants and Adults?. <i>Anesthesiology</i> , 2019, 131, 1202-1204.	1.3	1
62	Dynamic Cortical Connectivity during General Anesthesia in Surgical Patients. <i>Anesthesiology</i> , 2019, 130, 885-897.	1.3	54
63	Relationship of critical dynamics, functional connectivity, and states of consciousness in large-scale human brain networks. <i>NeuroImage</i> , 2019, 188, 228-238.	2.1	73
64	Opportunities and challenges for a maturing science of consciousness. <i>Nature Human Behaviour</i> , 2019, 3, 104-107.	6.2	58
65	Role of Voltage-Gated Sodium Channels in the Mechanism of Ether-Induced Unconsciousness. <i>Pharmacological Reviews</i> , 2019, 71, 450-466.	7.1	8
66	Systems Neuroscience: The Exciting Journey to Oblivion. <i>Current Biology</i> , 2018, 28, R223-R224.	1.8	6
67	Role of Network Science in the Study of Anesthetic State Transitions. <i>Anesthesiology</i> , 2018, 129, 1029-1044.	1.3	66
68	Differentiating Drug-related and State-related Effects of Dexmedetomidine and Propofol on the Electroencephalogram. <i>Anesthesiology</i> , 2018, 129, 22-36.	1.3	45
69	Neural Correlates of Unconsciousness in Large-Scale Brain Networks. <i>Trends in Neurosciences</i> , 2018, 41, 150-160.	4.2	115
70	Timescales of Intrinsic BOLD Signal Dynamics and Functional Connectivity in Pharmacologic and Neuropathologic States of Unconsciousness. <i>Journal of Neuroscience</i> , 2018, 38, 2304-2317.	1.7	66
71	Functional Brain Network Mechanism of Hypersensitivity in Chronic Pain. <i>Scientific Reports</i> , 2018, 8, 243.	1.6	44
72	The controversial correlates of consciousness. <i>Science</i> , 2018, 360, 493-494.	6.0	31

#	ARTICLE	IF	CITATIONS
73	Reliability and accuracy of delirium assessments among investigators at multiple international centres. <i>BMJ Open</i> , 2018, 8, e023137.	0.8	30
74	Brain imaging reveals covert consciousness during behavioral unresponsiveness induced by propofol. <i>Scientific Reports</i> , 2018, 8, 13195.	1.6	27
75	Increasing Role of Maternal Immune Activation in Neurodevelopmental Disorders. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 230.	1.0	116
76	Highways of the Brain, Traffic of the Mind. <i>Anesthesiology</i> , 2018, 129, 869-871.	1.3	5
77	Mechanisms of hysteresis in human brain networks during transitions of consciousness and unconsciousness: Theoretical principles and empirical evidence. <i>PLoS Computational Biology</i> , 2018, 14, e1006424.	1.5	50
78	Estimating the Integrated Information Measure Phi from High-Density Electroencephalography during States of Consciousness in Humans. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 42.	1.0	56
79	Consciousness and Personhood in Medical Care. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 306.	1.0	10
80	Long-range temporal correlations in the brain distinguish conscious wakefulness from induced unconsciousness. <i>NeuroImage</i> , 2018, 179, 30-39.	2.1	21
81	Differential Role of Prefrontal and Parietal Cortices in Controlling Level of Consciousness. <i>Current Biology</i> , 2018, 28, 2145-2152.e5.	1.8	113
82	Neurophysiologic Correlates of Ketamine Sedation and Anesthesia. <i>Anesthesiology</i> , 2017, 127, 58-69.	1.3	83
83	Network Inefficiency. <i>Anesthesiology</i> , 2017, 126, 366-368.	1.3	10
84	Intraoperative ketamine for prevention of postoperative delirium or pain after major surgery in older adults: an international, multicentre, double-blind, randomised clinical trial. <i>Lancet</i> , The, 2017, 390, 267-275.	6.3	346
85	Paradoxical Emergence. <i>Anesthesiology</i> , 2017, 126, 482-494.	1.3	47
86	Coherence of <scp>BOLD</scp> signal and electrical activity in the human brain during deep sevoflurane anesthesia. <i>Brain and Behavior</i> , 2017, 7, e00679.	1.0	25
87	Incidence of Connected Consciousness after Tracheal Intubation. <i>Anesthesiology</i> , 2017, 126, 214-222.	1.3	88
88	Effect of a Clinical and Translational Science Award institute on grant funding in a major research university. <i>Journal of Clinical and Translational Science</i> , 2017, 1, 88-93.	0.3	2
89	Comment on the PODCAST study â€œ Authors' reply. <i>Lancet</i> , The, 2017, 390, 2346.	6.3	0
90	Toward a science of translational science. <i>Journal of Clinical and Translational Science</i> , 2017, 1, 253-255.	0.3	13

#	ARTICLE	IF	CITATIONS
91	Bottom-Up and Top-Down Mechanisms of General Anesthetics Modulate Different Dimensions of Consciousness. <i>Frontiers in Neural Circuits</i> , 2017, 11, 44.	1.4	91
92	Relationship of Topology, Multiscale Phase Synchronization, and State Transitions in Human Brain Networks. <i>Frontiers in Computational Neuroscience</i> , 2017, 11, 55.	1.2	39
93	Protocol for the Reconstructing Consciousness and Cognition (ReCCognition) Study. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 284.	1.0	29
94	Network Efficiency and Posterior Alpha Patterns Are Markers of Recovery from General Anesthesia: A High-Density Electroencephalography Study in Healthy Volunteers. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 328.	1.0	58
95	Accelerated Recovery of Consciousness after General Anesthesia Is Associated with Increased Functional Brain Connectivity in the High-Gamma Bandwidth. <i>Frontiers in Systems Neuroscience</i> , 2017, 11, 16.	1.2	25
96	Propofol, Sevoflurane, and Ketamine Induce a Reversible Increase in Delta-Gamma and Theta-Gamma Phase-Amplitude Coupling in Frontal Cortex of Rat. <i>Frontiers in Systems Neuroscience</i> , 2017, 11, 41.	1.2	29
97	fastPACE Train-the-Trainer: A scalable new educational program to accelerate training in biomedical innovation, entrepreneurship, and commercialization. <i>Journal of Clinical and Translational Science</i> , 2017, 1, 271-277.	0.3	5
98	Clinical Application of Raw and Processed EEG. , 2017, , 193-204.		1
99	Structure Shapes Dynamics and Directionality in Diverse Brain Networks: Mathematical Principles and Empirical Confirmation in Three Species. <i>Scientific Reports</i> , 2017, 7, 46606.	1.6	28
100	Functional and Topological Conditions for Explosive Synchronization Develop in Human Brain Networks with the Onset of Anesthetic-Induced Unconsciousness. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 1.	1.2	125
101	Normal Brain Response to Propofol in Advance of Recovery from Unresponsive Wakefulness Syndrome. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 248.	1.0	17
102	Anesthetizing the Self. <i>Anesthesiology</i> , 2016, 124, 747-749.	1.3	8
103	Neural Correlates of Sevoflurane-induced Unconsciousness Identified by Simultaneous Functional Magnetic Resonance Imaging and Electroencephalography. <i>Anesthesiology</i> , 2016, 125, 861-872.	1.3	118
104	Neural Correlates of Wakefulness, Sleep, and General Anesthesia. <i>Anesthesiology</i> , 2016, 125, 929-942.	1.3	79
105	Disruption of corticocortical information transfer during ketamine anesthesia in the primate brain. <i>NeuroImage</i> , 2016, 134, 459-465.	2.1	79
106	Repertoire of mesoscopic cortical activity is not reduced during anesthesia. <i>Neuroscience</i> , 2016, 339, 402-417.	1.1	21
107	The Neurobiology of Anesthetic Emergence. <i>Journal of Neurosurgical Anesthesiology</i> , 2016, 28, 250-255.	0.6	35
108	Network-level Mechanisms of Ketamine Anesthesia. <i>Anesthesiology</i> , 2016, 125, 830-831.	1.3	11

#	ARTICLE	IF	CITATIONS
109	Recognition and Management of Perioperative Stroke in Hospitalized Patients. A & A Case Reports, 2016, 7, 55-56.	0.7	24
110	Disconnecting Consciousness: Is There a Common Anesthetic End Point?. Anesthesia and Analgesia, 2016, 123, 1228-1240.	1.1	101
111	Consciousness and Anesthesia. , 2016, , 139-152.		1
112	AVC pÃ©riopÃ©ratoire. Canadian Journal of Anaesthesia, 2016, 63, 193-204.	0.7	91
113	Noble Path to Oblivion. Anesthesiology, 2015, 122, 971-973.	1.3	0
114	Neurophysiological Correlates of Sevoflurane-induced Unconsciousness. Anesthesiology, 2015, 122, 307-316.	1.3	75
115	Influence of Ventilation Strategies and Anesthetic Techniques on Regional Cerebral Oximetry in the Beach Chair Position. Anesthesiology, 2015, 123, 765-774.	1.3	41
116	Alerting thresholds for the prevention of intraoperative awareness with explicit recall. European Journal of Anaesthesiology, 2015, 32, 346-353.	0.7	13
117	Reduced Nav1.6 Sodium Channel Activity in Mice Increases In Vivo Sensitivity to Volatile Anesthetics. PLoS ONE, 2015, 10, e0134960.	1.1	15
118	Assessing levels of consciousness with symbolic analysis. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140117.	1.6	26
119	General Relationship of Global Topology, Local Dynamics, and Directionality in Large-Scale Brain Networks. PLoS Computational Biology, 2015, 11, e1004225.	1.5	121
120	Intraoperative awareness risk, anesthetic sensitivity, and anesthetic management for patients with natural red hair: a matched cohort study. Canadian Journal of Anaesthesia, 2015, 62, 345-355.	0.7	8
121	Psychological Sequelae of Surgery in a Prospective Cohort of Patients from Three Intraoperative Awareness Prevention Trials. Anesthesia and Analgesia, 2015, 120, 87-95.	1.1	61
122	Coupled Flip-Flop Model for REM Sleep Regulation in the Rat. PLoS ONE, 2014, 9, e94481.	1.1	27
123	The Prevention of Delirium and Complications Associated with Surgical Treatments (PODCAST) study: protocol for an international multicentre randomised controlled trial. BMJ Open, 2014, 4, e005651-e005651.	0.8	34
124	Top-down mechanisms of anesthetic-induced unconsciousness. Frontiers in Systems Neuroscience, 2014, 8, 115.	1.2	101
125	Postoperative Delirium in a Substudy of Cardiothoracic Surgical Patients in the BAG-RECALL Clinical Trial. Anesthesia and Analgesia, 2014, 118, 809-817.	1.1	160
126	Psychological Trajectories after Intraoperative Awareness with Explicit Recall. Anesthesia and Analgesia, 2014, 119, 1-3.	1.1	4

#	ARTICLE	IF	CITATIONS
127	Mind the Gap. <i>Anesthesia and Analgesia</i> , 2014, 119, 1022-1025.	1.1	4
128	Perioperative Care of Patients at High Risk for Stroke during or after Non-Cardiac, Non-Neurologic Surgery. <i>Journal of Neurosurgical Anesthesiology</i> , 2014, 26, 273-285.	0.6	117
129	Dementia and sensitivity to anesthetics. <i>Canadian Journal of Anaesthesia</i> , 2014, 61, 599-604.	0.7	2
130	Postoperative Delirium. <i>Anesthesiology</i> , 2014, 121, 214-216.	1.3	4
131	Electroencephalographic effects of ketamine on power, cross-frequency coupling, and connectivity in the alpha bandwidth. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 114.	1.2	105
132	In Reply. <i>Anesthesiology</i> , 2014, 120, 1522-1523.	1.3	0
133	Capturing covert consciousness. <i>Lancet, The</i> , 2013, 381, 271-272.	6.3	17
134	Reply to Chawla and Seneff: Near-death electrical brain activity in humans and animals requires additional studies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4124-E4124.	3.3	1
135	Cognitive unbinding: A neuroscientific paradigm of general anesthesia and related states of unconsciousness. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 2751-2759.	2.9	77
136	Altered cortical communication in amyotrophic lateral sclerosis. <i>Neuroscience Letters</i> , 2013, 543, 172-176.	1.0	18
137	Assessment of Intraoperative Awareness with Explicit Recall. <i>Anesthesia and Analgesia</i> , 2013, 116, 889-891.	1.1	58
138	Consciousness and responsiveness. <i>Current Opinion in Anaesthesiology</i> , 2013, 26, 444-449.	0.9	31
139	Neuroanesthesiology Fellowship Training. <i>Journal of Neurosurgical Anesthesiology</i> , 2013, 25, 1-7.	0.6	17
140	II. The incidence of intraoperative awareness in the UK: under the rate or under the radar?. <i>British Journal of Anaesthesia</i> , 2013, 110, 494-497.	1.5	28
141	Reply to Greyson et al.: Experimental evidence lays a foundation for a rational understanding of near-death experiences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4406-E4406.	3.3	0
142	Surge of neurophysiological coherence and connectivity in the dying brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14432-14437.	3.3	163
143	Evolution of consciousness: Phylogeny, ontogeny, and emergence from general anesthesia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10357-10364.	3.3	99
144	Disruption of Frontal-Parietal Communication by Ketamine, Propofol, and Sevoflurane. <i>Anesthesiology</i> , 2013, 118, 1264-1275.	1.3	360

#	ARTICLE	IF	CITATIONS
145	Prevention of Intraoperative Awareness with Explicit Recall. <i>Anesthesiology</i> , 2013, 118, 449-456.	1.3	94
146	In Reply:. <i>Anesthesiology</i> , 2013, 118, 1235-1237.	1.3	0
147	Consciousness and the 21st Century Operating Room. <i>Anesthesiology</i> , 2013, 119, 1003-1005.	1.3	8
148	Consciousness, Anesthesia, and Neural Synchrony. <i>Anesthesiology</i> , 2013, 119, 7-9.	1.3	7
149	Volitional Delay of Self-Reported Outcomes. <i>Anesthesia and Analgesia</i> , 2013, 116, 365-367.	1.1	10
150	Incidence, Predictors, and Outcomes of Perioperative Stroke in Noncarotid Major Vascular Surgery. <i>Anesthesia and Analgesia</i> , 2013, 116, 424-434.	1.1	104
151	Postoperative Recovery with Bispectral Index<i>versus</i>Anesthetic Concentrationâ€œguided Protocols. <i>Anesthesiology</i> , 2013, 118, 1113-1122.	1.3	32
152	Subgraph â€œBackboneâ€•Analysis of Dynamic Brain Networks during Consciousness and Anesthesia. <i>PLoS ONE</i> , 2013, 8, e70899.	1.1	10
153	General and specific consciousness: a first-order representationalist approach. <i>Frontiers in Psychology</i> , 2013, 4, 407.	1.1	17
154	Altered States. <i>Anesthesiology</i> , 2013, 119, 1255-1260.	1.3	9
155	Increased Risk of Intraoperative Awareness in Patients with a History of Awareness. <i>Anesthesiology</i> , 2013, 119, 1275-1283.	1.3	53
156	Consciousness, Anesthesia, and the Thalamocortical System. <i>Anesthesiology</i> , 2013, 118, 13-15.	1.3	68
157	Perioperative Metoprolol and Risk of Stroke after Noncardiac Surgery. <i>Anesthesiology</i> , 2013, 119, 1340-1346.	1.3	71
158	Reconfiguration of Network Hub Structure after Propofol-induced Unconsciousness. <i>Anesthesiology</i> , 2013, 119, 1347-1359.	1.3	127
159	Prevention of Intraoperative Awareness with Explicit Recall in an Unselected Surgical Population. <i>Anesthesiology</i> , 2012, 117, 717-725.	1.3	235
160	Determination of Minimum Alveolar Concentration for Isoflurane and Sevoflurane in a Rodent Model of Human Metabolic Syndrome. <i>Anesthesia and Analgesia</i> , 2012, 114, 297-302.	1.1	19
161	Fragmenting consciousness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19876-19877.	3.3	2
162	The influence of basic ventilation strategies and anesthetic techniques on cerebral oxygenation in the beach chair position: study protocol. <i>BMC Anesthesiology</i> , 2012, 12, 23.	0.7	4

#	ARTICLE	IF	CITATIONS
163	Interfaces of Sleep and Anesthesia. <i>Anesthesiology Clinics</i> , 2012, 30, 385-398.	0.6	22
164	Consciousness and Anesthesia. <i>Advances in Anesthesia</i> , 2012, 30, 13-27.	0.5	2
165	Genuine and Spurious Phase Synchronization Strengths during Consciousness and General Anesthesia. <i>PLoS ONE</i> , 2012, 7, e46313.	1.1	17
166	When Fat Gets on Your Nerves. <i>Science Translational Medicine</i> , 2012, 4, .	5.8	0
167	Higher Consciousness. <i>Science Translational Medicine</i> , 2012, 4, .	5.8	0
168	Joule Thief?. <i>Science Translational Medicine</i> , 2012, 4, .	5.8	0
169	Twin Peaks. <i>Science Translational Medicine</i> , 2012, 4, .	5.8	0
170	Consciousness Reborn. <i>Science Translational Medicine</i> , 2012, 4, .	5.8	0
171	Awakenings. <i>Science Translational Medicine</i> , 2012, 4, .	5.8	0
172	Going Deep. <i>Science Translational Medicine</i> , 2012, 4, .	5.8	0
173	Pain in the Brain. <i>Science Translational Medicine</i> , 2012, 4, .	5.8	0
174	Sleepy Time for Tumor Cells. <i>Science Translational Medicine</i> , 2012, 4, .	5.8	0
175	Depression: Just Say NO. <i>Science Translational Medicine</i> , 2012, 4, .	5.8	0
176	From "Cheers" to Fears. <i>Science Translational Medicine</i> , 2012, 4, .	5.8	0
177	Milk of Amnesia. <i>Science Translational Medicine</i> , 2012, 4, .	5.8	0
178	Pharmacologic approaches to the prevention of intraoperative awareness. <i>Expert Review of Neurotherapeutics</i> , 2011, 11, 611-613.	1.4	9
179	Consciousness versus responsiveness: Insights from general anesthetics. <i>Brain and Cognition</i> , 2011, 77, 325-326.	0.8	2
180	Preferential Inhibition of Frontal-to-Parietal Feedback Connectivity Is a Neurophysiologic Correlate of General Anesthesia in Surgical Patients. <i>PLoS ONE</i> , 2011, 6, e25155.	1.1	195

#	ARTICLE	IF	CITATIONS
181	Dissociable Network Properties of Anesthetic State Transitions. <i>Anesthesiology</i> , 2011, 114, 872-881.	1.3	82
182	State-specific Effects of Sevoflurane Anesthesia on Sleep Homeostasis. <i>Anesthesiology</i> , 2011, 114, 302-310.	1.3	54
183	Dreaming During Anesthesia and Sedation. <i>Anesthesia and Analgesia</i> , 2011, 112, 1008-1010.	1.1	11
184	Sleep, Anesthesia, and Consciousness. <i>Sleep</i> , 2011, 34, 247-248.	0.6	7
185	Estimation of the Bispectral Index by Anesthesiologists. <i>Anesthesiology</i> , 2011, 114, 1093-1101.	1.3	42
186	Intraoperative Awareness. <i>Anesthesiology</i> , 2011, 114, 1218-1233.	1.3	89
187	Prevention of Intraoperative Awareness in a High-Risk Surgical Population. <i>New England Journal of Medicine</i> , 2011, 365, 591-600.	13.9	479
188	Perioperative Stroke and Associated Mortality after Noncardiac, Nonneurologic Surgery. <i>Anesthesiology</i> , 2011, 114, 1289-1296.	1.3	271
189	The Food for Mood. <i>Science Translational Medicine</i> , 2011, 3, .	5.8	0
190	Shocking Memories After Surgery. <i>Science Translational Medicine</i> , 2011, 3, .	5.8	0
191	Focusing on Attention Deficit. <i>Science Translational Medicine</i> , 2011, 3, .	5.8	0
192	When Light Gets On Your Nerves. <i>Science Translational Medicine</i> , 2011, 3, .	5.8	0
193	The Autistic Brain: Out of Synch?. <i>Science Translational Medicine</i> , 2011, 3, .	5.8	0
194	To Sleep, Perchance to Dream?. <i>Science Translational Medicine</i> , 2011, 3, .	5.8	0
195	Can Anesthesia Make You Spineless?. <i>Science Translational Medicine</i> , 2011, 3, .	5.8	0
196	Teaching the Fetal Hypothalamus. <i>Science Translational Medicine</i> , 2011, 3, .	5.8	0
197	Food for Nanoworms. <i>Science Translational Medicine</i> , 2011, 3, .	5.8	0
198	Lights Offâ€”But Is Somebody Home?. <i>Science Translational Medicine</i> , 2011, 3, .	5.8	0

#	ARTICLE	IF	CITATIONS
199	Acetylcholine: Working on Working Memory. <i>Science Translational Medicine</i> , 2011, 3, .	5.8	0
200	Posttraumatic Stress Disorder After Intraoperative Awareness and High-Risk Surgery. <i>Anesthesia and Analgesia</i> , 2010, 110, 668-670.	1.1	26
201	Isoflurane Anesthesia Does Not Satisfy the Homeostatic Need for Rapid Eye Movement Sleep. <i>Anesthesia and Analgesia</i> , 2010, 110, 1283-1289.	1.1	43
202	A Novel Classification Instrument for Intraoperative Awareness Events. <i>Anesthesia and Analgesia</i> , 2010, 110, 813-815.	1.1	74
203	Clinical Contributions to Consciousness Studies. <i>Activitas Nervosa Superior</i> , 2010, 52, 32-39.	0.4	0
204	The influence of basic ventilation strategies on cerebral oxygenation in anesthetized patients without vascular disease. <i>Journal of Clinical Monitoring and Computing</i> , 2010, 24, 421-425.	0.7	17
205	Monitoring anesthetic depth. , 2010, , 114-130.		14
206	The neurobiology of consciousness. , 2010, , 24-46.		12
207	Relevance of sleep neurobiology for cognitive neuroscience and anesthesiology. , 2010, , 1-23.		4
208	Dreaming during anesthesia. , 2010, , 74-89.		5
209	Etiology and risk factors of intraoperative awareness. , 2010, , 90-113.		4
210	Awareness during general anesthesia in the pediatric population. , 2010, , 172-187.		1
211	Accreditation and Standardization of Neuroanesthesia Fellowship Programs: Results of a Specialty-wide Survey. <i>Journal of Neurosurgical Anesthesiology</i> , 2010, 22, 252-255.	0.6	14
212	Brain Networks Maintain a Scale-free Organization across Consciousness, Anesthesia, and Recovery. <i>Anesthesiology</i> , 2010, 113, 1081-1091.	1.3	86
213	Sleep, Memory, and Consciousness. , 2010, , 235-258.		1
214	A novel electronic algorithm for detecting potentially insufficient anesthesia: implications for the prevention of intraoperative awareness. <i>Journal of Clinical Monitoring and Computing</i> , 2009, 23, 273-277.	0.7	23
215	Protocol for the "Michigan Awareness Control Study": A prospective, randomized, controlled trial comparing electronic alerts based on bispectral index monitoring or minimum alveolar concentration for the prevention of intraoperative awareness. <i>BMC Anesthesiology</i> , 2009, 9, 7.	0.7	38
216	Protocol for the BAG-RECALL clinical trial: a prospective, multi-center, randomized, controlled trial to determine whether a bispectral index-guided protocol is superior to an anesthesia gas-guided protocol in reducing intraoperative awareness with explicit recall in high risk surgical patients. <i>BMC Anesthesiology</i> , 2009, 9, 8.	0.7	41

#	ARTICLE	IF	CITATIONS
217	Open-source logic-based automated sleep scoring software using electrophysiological recordings in rats. <i>Journal of Neuroscience Methods</i> , 2009, 184, 10-18.	1.3	48
218	Propofol induction reduces the capacity for neural information integration: Implications for the mechanism of consciousness and general anesthesia. <i>Consciousness and Cognition</i> , 2009, 18, 56-64.	0.8	124
219	The directionality and functional organization of frontoparietal connectivity during consciousness and anesthesia in humans. <i>Consciousness and Cognition</i> , 2009, 18, 1069-1078.	0.8	204
220	A Retrospective Study of Intraoperative Awareness with Methodological Implications. <i>Anesthesia and Analgesia</i> , 2009, 108, 521-526.	1.1	67
221	Levels of Consciousness During Regional Anesthesia and Monitored Anesthesia Care: Patient Expectations and Experiences. <i>Anesthesia and Analgesia</i> , 2009, 108, 1560-1563.	1.1	23
222	Processed electroencephalogram in depth of anesthesia monitoring. <i>Current Opinion in Anaesthesiology</i> , 2009, 22, 553-559.	0.9	104
223	Anesthesia Awareness: When the Mind Is Not Suppressed. , 2009, , 161-173.		0
224	Inverse zombies, anesthesia awareness, and the hard problem of unconsciousness. <i>Consciousness and Cognition</i> , 2008, 17, 1163-1168.	0.8	24
225	Toward a General Theory of Unconscious Processes in Psychoanalysis and Anesthesiology. <i>Journal of the American Psychoanalytic Association</i> , 2008, 56, 203-222.	0.2	7
226	Congenital cervical spine fusion and airway management: a case series of Klippel-Feil syndrome. <i>Journal of Clinical Anesthesia</i> , 2008, 20, 447-451.	0.7	31
227	Predictors of Difficult Intubation in Patients With Cervical Spine Limitations. <i>Journal of Neurosurgical Anesthesiology</i> , 2008, 20, 110-115.	0.6	41
228	Unconscious Processes in Psychoanalysis and Anesthesiology. <i>International Anesthesiology Clinics</i> , 2008, 46, 195-202.	0.3	2
229	The Extended Mallampati Score and a Diagnosis of Diabetes Mellitus Are Predictors of Difficult Laryngoscopy in the Morbidly Obese. <i>Anesthesia and Analgesia</i> , 2008, 107, 1919-1923.	1.1	69
230	Propofol Induction Reduces the Capacity for Neural Information Integration: Implications for the Mechanism of Consciousness and General Anesthesia. <i>Nature Precedings</i> , 2008, , .	0.1	2
231	Operating Room Desensitization as a Novel Treatment for Post-traumatic Stress Disorder after Intraoperative Awareness. <i>Anesthesiology</i> , 2008, 109, 927-929.	1.3	18
232	Subcortical consciousness: Implications for fetal anesthesia and analgesia. <i>Behavioral and Brain Sciences</i> , 2007, 30, 86-87.	0.4	10
233	Emergence flashback in a patient with posttraumatic stress disorder. <i>General Hospital Psychiatry</i> , 2007, 29, 169-171.	1.2	13
234	Integrating the Science of Consciousness and Anesthesia. <i>Anesthesia and Analgesia</i> , 2006, 103, 975-982.	1.1	144

#	ARTICLE	IF	CITATIONS
235	Perioperative Treatment of Patients with a History of Intraoperative Awareness and Post-Traumatic Stress Disorder. <i>Anesthesiology</i> , 2006, 104, 893-894.	1.3	19
236	Intracranial Subdural Hematomas and Cerebral Herniation after Labor Epidural with No Evidence of Dural Puncture. <i>Anesthesiology</i> , 2006, 104, 610-612.	1.3	32
237	Monitoring consciousness: EEG-based measures of anesthetic depth. <i>Seminars in Anesthesia</i> , 2006, 25, 205-210.	0.3	15
238	Craniocervical Extension Improves the Specificity and Predictive Value of the Mallampati Airway Evaluation. <i>Anesthesia and Analgesia</i> , 2006, 103, 1256-1259.	1.1	31
239	Differential modulation of malignant peripheral nerve sheath tumor growth by omega-3 and omega-6 fatty acids. <i>Oncogene</i> , 2005, 24, 2367-2374.	2.6	16
240	Mechanisms of general anesthesia: from molecules to mind. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2005, 19, 349-364.	1.7	69
241	Altered States: LSD and the Anesthesia Laboratory of Henry Knowles Beecher. <i>Bulletin of Anesthesia History</i> , 2005, 23, 11-14.	0.1	4
242	Cognitive Unbinding in Sleep and Anesthesia. <i>Science</i> , 2005, 310, 1768b-1769b.	6.0	13
243	Spinal anesthesia and Ogilvie's syndrome. <i>Journal of Clinical Anesthesia</i> , 2005, 17, 122-123.	0.7	12
244	Anesthetic management of Turner syndrome: a systematic approach. <i>Journal of Clinical Anesthesia</i> , 2005, 17, 128-130.	0.7	10
245	Psychosurgery: past, present, and future. <i>Brain Research Reviews</i> , 2005, 48, 409-419.	9.1	146
246	Circulating Growth Factor Levels Are Associated with Tumorigenesis in Neurofibromatosis Type 1. <i>Clinical Cancer Research</i> , 2004, 10, 5677-5683.	3.2	43
247	Consciousness Unbound. <i>Anesthesiology</i> , 2004, 100, 428-433.	1.3	170
248	The angiogenic factor midkine is aberrantly expressed in NF1-deficient Schwann cells and is a mitogen for neurofibroma-derived cells. <i>Oncogene</i> , 2001, 20, 97-105.	2.6	117
249	Aberrant Cutaneous Expression of the Angiogenic Factor Midkine is Associated with Neurofibromatosis Type-1. <i>Journal of Investigative Dermatology</i> , 1999, 113, 398-402.	0.3	23
250	A pawn in a conspiracy?. <i>Nature</i> , 1998, 392, 221-221.	13.7	0
251	Basic FGF and FGF receptor 1 are expressed in microglia during experimental autoimmune encephalomyelitis: Temporally distinct expression of midkine and pleiotrophin. , 1998, 24, 390-397.		88
252	Medicolegal consequences of intraoperative awareness. , 0, , 204-220.		1

#	ARTICLE	IF	CITATIONS
253	Memory formation during general anesthesia. , 0, , 47-73.		11
254	Current controversies in intraoperative awareness: I. , 0, , 131-147.		0
255	Current controversies in intraoperative awareness: II. , 0, , 148-171.		3
256	Psychological consequences of intraoperative awareness. , 0, , 188-203.		0
257	Complaints of awareness after sedation and regional anesthesia: The role of patient expectations. , 0, , 221-232.		0
258	Philosophical implications of awareness during general anesthesia. , 0, , 233-252.		2
259	Cervical spine limitations. , 0, , 168-171.		0