

# John F Burke

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

2,126  
citations

257450

24  
h-index

276875

41  
g-index

57  
all docs

57  
docs citations

57  
times ranked

2758  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synchronous and Asynchronous Theta and Gamma Activity during Episodic Memory Formation. <i>Journal of Neuroscience</i> , 2013, 33, 292-304.	3.6	246
2	Direct Brain Stimulation Modulates Encoding States and Memory Performance in Humans. <i>Current Biology</i> , 2017, 27, 1251-1258.	3.9	207
3	Subsequent memory effect in intracranial and scalp EEG. <i>NeuroImage</i> , 2014, 84, 488-494.	4.2	156
4	Human intracranial high-frequency activity maps episodic memory formation in space and time. <i>NeuroImage</i> , 2014, 85, 834-843.	4.2	129
5	Decreases in theta and increases in high frequency activity underlie associative memory encoding. <i>NeuroImage</i> , 2015, 114, 257-263.	4.2	114
6	Theta and High-Frequency Activity Mark Spontaneous Recall of Episodic Memories. <i>Journal of Neuroscience</i> , 2014, 34, 11355-11365.	3.6	106
7	A high-density, high-channel count, multiplexed $\hat{1}/4$ ECoG array for auditory-cortex recordings. <i>Journal of Neurophysiology</i> , 2014, 112, 1566-1583.	1.8	90
8	Human intracranial high-frequency activity during memory processing: neural oscillations or stochastic volatility?. <i>Current Opinion in Neurobiology</i> , 2015, 31, 104-110.	4.2	86
9	Ultra-Early (<12 Hours) Surgery Correlates With Higher Rate of American Spinal Injury Association Impairment Scale Conversion After Cervical Spinal Cord Injury. <i>Neurosurgery</i> , 2019, 85, 199-203.	1.1	69
10	The human hippocampus contributes to both the recollection and familiarity components of recognition memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14378-14383.	7.1	59
11	Eye closure causes widespread low-frequency power increase and focal gamma attenuation in the human electrocorticogram. <i>Clinical Neurophysiology</i> , 2014, 125, 1764-1773.	1.5	58
12	Microsurgical treatment of sacral perineural (Tarlov) cysts: case series and review of the literature. <i>Journal of Neurosurgery: Spine</i> , 2016, 24, 700-707.	1.7	58
13	Pediatric sports-related traumatic brain injury in United States trauma centers. <i>Neurosurgical Focus</i> , 2016, 40, E3.	2.3	51
14	Selective Serotonin Reuptake Inhibitors for Treating Neurocognitive and Neuropsychiatric Disorders Following Traumatic Brain Injury: An Evaluation of Current Evidence. <i>Brain Sciences</i> , 2017, 7, 93.	2.3	47
15	Adult sports-related traumatic brain injury in United States trauma centers. <i>Neurosurgical Focus</i> , 2016, 40, E4.	2.3	46
16	Stimulation of the human medial temporal lobe between learning and recall selectively enhances forgetting. <i>Brain Stimulation</i> , 2017, 10, 645-650.	1.6	45
17	Prestimulus theta in the human hippocampus predicts subsequent recognition but not recall. <i>Hippocampus</i> , 2014, 24, 1562-1569.	1.9	41
18	Screening for Post-Traumatic Stress Disorder in a Civilian Emergency Department Population with Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 50-58.	3.4	41

#	ARTICLE	IF	CITATIONS
19	Safety of Outpatient Anterior Cervical Discectomy and Fusion: A Systematic Review and Meta-Analysis. <i>Neurosurgery</i> , 2020, 86, 30-45.	1.1	36
20	<i>Apolipoprotein E epsilon 4 (APOE<math>\epsilon</math>4)</i> genotype is associated with decreased 6-month verbal memory performance after mild traumatic brain injury. <i>Brain and Behavior</i> , 2017, 7, e00791.	2.2	34
21	COMT Val 158 Met polymorphism is associated with nonverbal cognition following mild traumatic brain injury. <i>Neurogenetics</i> , 2016, 17, 31-41.	1.4	33
22	Diagnostic blood RNA profiles for human acute spinal cord injury. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	31
23	Brain computer interface to enhance episodic memory in human participants. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1055.	2.0	29
24	The Accuracy of Multimodality Intraoperative Neuromonitoring to Predict Postoperative Neurologic Deficits Following Cervical Laminoplasty. <i>World Neurosurgery</i> , 2017, 106, 17-25.	1.3	27
25	Topical tranexamic acid in spinal surgery: A systematic review and meta-analysis. <i>Journal of Clinical Neuroscience</i> , 2019, 61, 114-119.	1.5	27
26	Vasopressor support in managing acute spinal cord injury: current knowledge. <i>Journal of Neurosurgical Sciences</i> , 2019, 63, 308-317.	0.6	27
27	DRD2 C957T polymorphism is associated with improved 6-month verbal learning following traumatic brain injury. <i>Neurogenetics</i> , 2017, 18, 29-38.	1.4	24
28	Brain Tissue Oxygen Monitoring and the Intersection of Brain and Lung: A Comprehensive Review. <i>Respiratory Care</i> , 2016, 61, 1232-1244.	1.6	21
29	Concordance of common data elements for assessment of subjective cognitive complaints after mild-traumatic brain injury: a TRACK-TBI Pilot Study. <i>Brain Injury</i> , 2018, 32, 1071-1078.	1.2	21
30	Surgical resection of fourth ventricular ependymomas: case series and technical nuances. <i>Journal of Neuro-Oncology</i> , 2016, 130, 341-349.	2.9	20
31	Emergency department blood alcohol level associates with injury factors and six-month outcome after uncomplicated mild traumatic brain injury. <i>Journal of Clinical Neuroscience</i> , 2017, 45, 293-298.	1.5	20
32	Odontoid fractures in the octogenarian: a systematic review and meta-analysis. <i>Journal of Neurosurgical Sciences</i> , 2016, 60, 543-55.	0.6	14
33	Transforming Research and Clinical Knowledge in Spinal Cord Injury (TRACK-SCI): an overview of initial enrollment and demographics. <i>Neurosurgical Focus</i> , 2020, 48, E6.	2.3	12
34	Delayed Recurrent Laryngeal Nerve Palsy Following Anterior Cervical Discectomy and Fusion. <i>World Neurosurgery</i> , 2019, 122, 380-383.	1.3	9
35	CT and MRI Image Fusion Error: An Analysis of Co-Registration Error Using Commercially Available Deep Brain Stimulation Surgical Planning Software. <i>Stereotactic and Functional Neurosurgery</i> , 2021, 99, 196-202.	1.5	9
36	Telemedicine in Neurosurgery: Standardizing the Spinal Physical Examination Using A Modified Delphi Method. <i>Neurospine</i> , 2021, 18, 292-302.	2.9	9

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37	Circadian variability of the initial Glasgow Coma Scale score in traumatic brain injury patients. <i>Neurobiology of Sleep and Circadian Rhythms</i> , 2017, 2, 85-93.	2.8	8
38	Theta Synchrony Is Increased near Neural Populations That Are Active When Initiating Instructed Movement. <i>ENeuro</i> , 2021, 8, ENEURO.0252-20.2020.	1.9	7
39	Injury volume extracted from MRI predicts neurologic outcome in acute spinal cord injury: A prospective TRACK-SCI pilot study. <i>Journal of Clinical Neuroscience</i> , 2020, 82, 231-236.	1.5	6
40	Does reduction of the Meyerding grade correlate with outcomes in patients undergoing decompression and fusion for grade I degenerative lumbar spondylolisthesis?. <i>Journal of Neurosurgery: Spine</i> , 2021, , 1-8.	1.7	5
41	Does state malpractice environment affect outcomes following spinal fusions? A robust statistical and machine learning analysis of 549,775 discharges following spinal fusion surgery in the United States. <i>Neurosurgical Focus</i> , 2020, 49, E18.	2.3	5
42	Use of Topical Vancomycin Powder to Reduce Surgical Site Infections after Deep Brain Stimulation Surgery: UCSF Experience and Meta-Analysis. <i>Stereotactic and Functional Neurosurgery</i> , 2022, 100, 130-139.	1.5	5
43	Bone Morphogenic Protein Use in Spinal Surgery. <i>Neurosurgery Clinics of North America</i> , 2017, 28, 331-334.	1.7	4
44	Predictors of 30-Day Outcomes in Octogenarians with Traumatic C2 Fractures Undergoing Surgery. <i>World Neurosurgery</i> , 2018, 116, e1214-e1222.	1.3	4
45	Surgical management of patients with coexistent multiple sclerosis and cervical stenosis: A systematic review and meta-analysis. <i>Journal of Clinical Neuroscience</i> , 2019, 65, 77-82.	1.5	4
46	Efficacy of Ultra-Early (< 12h), Early (12-24h), and Late (>24-138.5h) Surgery with Magnetic Resonance Imaging-Confirmed Decompression in American Spinal Injury Association Impairment Scale Grades A, B, and C Cervical Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 1759-1760.	3.4	4
47	The Morbidity and Mortality of Surgery for Traumatic Brain Injury in Geriatric Patients: A Study of Over 100,000 Patient Cases. <i>Neurosurgery</i> , 2021, 89, 1062-1070.	1.1	4
48	Elderly traumatic central cord syndrome in the USA: a review of management and outcomes. <i>Journal of Neurosurgical Sciences</i> , 2021, 65, 442-449.	0.6	3
49	Stab wound to the intramedullary spinal cord: Presurgical and surgical management options for a retained blade to optimize neurological preservation. , 2016, 7, 1096.		3
50	The Endoscopic Buccal Fat Pad Flap for Closure of Skull Base Defects: A Report of 5 Cases. <i>World Neurosurgery</i> , 2018, 110, e42-e45.	1.3	2
51	Evaluating the Clinical Utility and Cost of Imaging Strategies in Adults with Newly Diagnosed Primary Intradural Spinal Tumors. <i>World Neurosurgery</i> , 2021, 147, e239-e246.	1.3	2
52	Decision tree-based machine learning analysis of intraoperative vasopressor use to optimize neurological improvement in acute spinal cord injury. <i>Neurosurgical Focus</i> , 2022, 52, E9.	2.3	2
53	Do social determinants of health impact access to neurosurgical care in the United States? A workforce perspective. <i>Journal of Neurosurgery</i> , 2022, 137, 867-876.	1.6	2
54	In Reply: Ultra-Early (< 12 Hours) Surgery Correlates With Higher Rate of American Spinal Injury Association Impairment Scale Conversion After Cervical Spinal Cord Injury. <i>Neurosurgery</i> , 2019, 85, E401-E402.	1.1	1

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55	The Natural History of Spinal Cord Injury. <i>Neurosurgery Clinics of North America</i> , 2021, 32, 315-321.	1.7	1
56	Epidural Spinal Electrogram Provides Direct Spinal Recordings in Awake Human Participants. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 721076.	2.0	1