

# James J Fitzgerald

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,781  
citations

331670

21  
h-index

233421

45  
g-index

50  
all docs

50  
docs citations

50  
times ranked

3176  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Brain Stimulation and Levodopa Affect Gait Variability in Parkinson Disease Differently. <i>Neuromodulation</i> , 2023, 26, 382-393.	0.8	5
2	A Clinical Feasibility Study of Spinal Evoked Compound Action Potential Estimation Methods. <i>Neuromodulation</i> , 2022, 25, 75-84.	0.8	15
3	Noninvasive phrenic nerve stimulation to avoid ventilator-induced diaphragm dysfunction in critical care. <i>Artificial Organs</i> , 2022, 46, 1988-1997.	1.9	10
4	The impact of the COVID-19 pandemic on patients awaiting spinal cord stimulation surgery in the United Kingdom: a multi-centre patient survey. <i>British Journal of Pain</i> , 2021, 15, 282-290.	1.5	11
5	Invasive Electrical Neuromodulation for the Treatment of Painful Diabetic Neuropathy: Systematic Review and Meta-Analysis. <i>Neuromodulation</i> , 2021, 24, 13-21.	0.8	22
6	Contributions of synaptic and astrocyte physiology to the anaesthetised encephalogram revealed using a computational model. <i>British Journal of Anaesthesia</i> , 2021, 126, 985-995.	3.4	3
7	Pallido-putaminal connectivity predicts outcomes of deep brain stimulation for cervical dystonia. <i>Brain</i> , 2021, 144, 3589-3596.	7.6	11
8	Supraspinal Effects of Dorsal Root Ganglion Stimulation in Chronic Pain Patients. <i>Neuromodulation</i> , 2021, 24, 646-654.	0.8	2
9	Paired Acute Invasive/Non-invasive Stimulation (PAINS) study: A phase I/II randomized, sham-controlled crossover trial in chronic neuropathic pain. <i>Brain Stimulation</i> , 2021, 14, 1576-1585.	1.6	7
10	The Importance of the Location of Dorsal Root Ganglion Stimulator Electrodes Within the Nerve Root Exit Foramen. <i>Neuromodulation</i> , 2020, 23, 245-251.	0.8	6
11	Dynamic changes in rhythmic and arrhythmic neural signatures in the subthalamic nucleus induced by anaesthesia and tracheal intubation. <i>British Journal of Anaesthesia</i> , 2020, 125, 67-76.	3.4	11
12	Dorsal Root Ganglion Stimulation Modulates Cortical Gamma Activity in the Cognitive Dimension of Chronic Pain. <i>Brain Sciences</i> , 2020, 10, 95.	2.3	15
13	Use of Immersive Virtual Reality in the Assessment and Treatment of Alzheimer's Disease: A Systematic Review. <i>Journal of Alzheimer's Disease</i> , 2020, 75, 23-43.	2.6	67
14	Oculomotor effects of medical and surgical treatments of Parkinson's disease. <i>Progress in Brain Research</i> , 2019, 249, 297-305.	1.4	5
15	Burst Occipital Nerve Stimulation for Chronic Migraine and Chronic Cluster Headache. <i>Neuromodulation</i> , 2019, 22, 638-644.	0.8	22
16	The effect of levodopa on saccades – Oxford Quantification in Parkinsonism study. <i>Parkinsonism and Related Disorders</i> , 2019, 68, 49-56.	2.2	27
17	Burst or Conventional Peripheral Nerve Field Stimulation for Treatment of Neuropathic Facial Pain. <i>Neuromodulation</i> , 2019, 22, 645-652.	0.8	13
18	The Neuromodulation Appropriateness Consensus Committee on Best Practices for Dorsal Root Ganglion Stimulation. <i>Neuromodulation</i> , 2019, 22, 1-35.	0.8	108

#	ARTICLE	IF	CITATIONS
19	The Influence of Deep Brain Stimulation on Eye Movements. Contemporary Clinical Neuroscience, 2019, , 377-387.	0.3	0
20	Beta oscillations and urinary voiding in Parkinson disease. Neurology, 2018, 90, e1530-e1534.	1.1	9
21	The Efficacy and Safety of Dorsal Root Ganglion Stimulation as a Treatment for Neuropathic Pain: A Literature Review. Neuromodulation, 2018, 21, 225-233.	0.8	69
22	Oscillatory neural representations in the sensory thalamus predict neuropathic pain relief by deep brain stimulation. Neurobiology of Disease, 2018, 109, 117-126.	4.4	12
23	Effects of Deep Brain Stimulation on Eye Movements and Vestibular Function. Frontiers in Neurology, 2018, 9, 444.	2.4	13
24	Quantifying Motor Impairment in Movement Disorders. Frontiers in Neuroscience, 2018, 12, 202.	2.8	30
25	Stimulating at the right time: phase-specific deep brain stimulation. Brain, 2017, 140, 132-145.	7.6	213
26	Distinct mechanisms mediate speed-accuracy adjustments in cortico-subthalamic networks. ELife, 2017, 6, .	6.0	71
27	Subthalamic nucleus gamma activity increases not only during movement but also during movement inhibition. ELife, 2017, 6, .	6.0	41
28	Eye movements and deep brain stimulation. Current Opinion in Neurology, 2016, 29, 69-73.	3.6	12
29	Brainjacking: Implant Security Issues in Invasive Neuromodulation. World Neurosurgery, 2016, 92, 454-462.	1.3	95
30	Successful treatment of pelvic girdle pain with dorsal root ganglion stimulation. British Journal of Neurosurgery, 2016, 30, 685-686.	0.8	20
31	Using Saccadometry with Deep Brain Stimulation to Study Normal and Pathological Brain Function. Journal of Visualized Experiments, 2016, , .	0.3	2
32	Suppression of scarring in peripheral nerve implants by drug elution. Journal of Neural Engineering, 2016, 13, 026006.	3.5	17
33	Evidence from a rare case study for Hebbian-like changes in structural connectivity induced by long-term deep brain stimulation. Frontiers in Behavioral Neuroscience, 2015, 9, 167.	2.0	18
34	Pallidal Deep Brain Stimulation Improves Higher Control of the Oculomotor System in Parkinson's Disease. Journal of Neuroscience, 2015, 35, 13043-13052.	3.6	30
35	Subthalamic Nucleus Local Field Potential Activity Helps Encode Motor Effort Rather Than Force in Parkinsonism. Journal of Neuroscience, 2015, 35, 5941-5949.	3.6	39
36	The nature of tremor circuits in parkinsonian and essential tremor. Brain, 2014, 137, 3223-3234.	7.6	90

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37	Deep Brain Stimulation Abolishes Slowing of Reactions to Unlikely Stimuli. <i>Journal of Neuroscience</i> , 2014, 34, 10844-10852.	3.6	22
38	Adaptive deep brain stimulation in advanced Parkinson disease. <i>Annals of Neurology</i> , 2013, 74, 449-457.	5.3	1,046
39	A regenerative microchannel neural interface for recording from and stimulating peripheral axons <i>in vivo</i> . <i>Journal of Neural Engineering</i> , 2012, 9, 016010.	3.5	52
40	Deep Brain Stimulation: Eye Movements Reveal Anomalous Effects of Electrode Placement and Stimulation. <i>PLoS ONE</i> , 2012, 7, e32830.	2.5	25
41	The Spiral Peripheral Nerve Interface: Design, Fabrication and Performance. <i>IFMBE Proceedings</i> , 2011, , 1338-1341.	0.3	0
42	Flexible and stretchable micro-electrodes for in vitro and in vivo neural interfaces. <i>Medical and Biological Engineering and Computing</i> , 2010, 48, 945-954.	2.8	226
43	Long Micro-Channel Electrode Arrays: A Novel Type of Regenerative Peripheral Nerve Interface. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2009, 17, 454-460.	4.9	65
44	Microchannel Electrodes for Recording and Stimulation: In Vitro Evaluation. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 1524-1534.	4.2	39
45	Polyimide micro-channel arrays for peripheral nerve regenerative implants. <i>Sensors and Actuators A: Physical</i> , 2008, 147, 456-463.	4.1	53
46	Microchannels as Axonal Amplifiers. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 1136-1146.	4.2	61
47	Recording with microchannel electrodes in a noisy environment. , 2008, 2008, 34-7.		8
48	Histological determinants of survival in completely resected T1-2N1M0 nonsmall cell cancer of the lung. <i>Annals of Thoracic Surgery</i> , 2004, 77, 1173-1178.	1.3	41