

Paul B Yoo

List of Publications by Year in descending order

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39
papers

994
citations

516710

16
h-index

434195

31
g-index

40
all docs

40
docs citations

40
times ranked

913
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution measurement of electrically-evoked vagus nerve activity in the anesthetized dog. <i>Journal of Neural Engineering</i> , 2013, 10, 026003.	3.5	110
2	Selective Recording of the Canine Hypoglossal Nerve Using a Multicontact Flat Interface Nerve Electrode. <i>IEEE Transactions on Biomedical Engineering</i> , 2005, 52, 1461-1469.	4.2	88
3	Excitation properties of the right cervical vagus nerve in adult dogs. <i>Experimental Neurology</i> , 2011, 227, 62-68.	4.1	85
4	Bladder activation by selective stimulation of pudendal nerve afferents in the cat. <i>Experimental Neurology</i> , 2008, 212, 218-225.	4.1	80
5	Pudendal nerve stimulation evokes reflex bladder contractions in persons with chronic spinal cord injury. <i>Neurourology and Urodynamics</i> , 2007, 26, 1020-1023.	1.5	59
6	Activation and inhibition of the micturition reflex by penile afferents in the cat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1880-R1889.	1.8	59
7	Modulation of heart rate by temporally patterned vagus nerve stimulation in the anesthetized dog. <i>Physiological Reports</i> , 2016, 4, e12689.	1.7	51
8	Conditional and continuous electrical stimulation increase cystometric capacity in persons with spinal cord injury. <i>Neurourology and Urodynamics</i> , 2010, 29, 401-407.	1.5	49
9	Effects of selective hypoglossal nerve stimulation on canine upper airway mechanics. <i>Journal of Applied Physiology</i> , 2005, 99, 937-943.	2.5	45
10	Selective Stimulation of the Canine Hypoglossal Nerve Using a Multi-contact Cuff Electrode. <i>Annals of Biomedical Engineering</i> , 2004, 32, 511-519.	2.5	40
11	Multiple Pudendal Sensory Pathways Reflexly Modulate Bladder and Urethral Activity in Patients With Spinal Cord Injury. <i>Journal of Urology</i> , 2011, 185, 737-743.	0.4	39
12	Reflex neuromodulation of bladder function elicited by posterior tibial nerve stimulation in anesthetized rats. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, F320-F329.	2.7	33
13	Minimally-invasive electrical stimulation of the pudendal nerve: A pre-clinical study for neural control of the lower urinary tract. <i>Neurourology and Urodynamics</i> , 2007, 26, 562-569.	1.5	29
14	Urethral flow-responsive afferents in the cat sacral dorsal root ganglia. <i>Neuroscience Letters</i> , 2012, 516, 34-38.	2.1	25
15	Somatic innervation of the feline lower urinary tract. <i>Brain Research</i> , 2008, 1246, 80-87.	2.2	23
16	Bidirectional Peripheral Nerve Interface With 64 Second-Order Opamp-Less $\Sigma\Delta$ ADCs and Fully Integrated Wireless Power/Data Transmission. <i>IEEE Journal of Solid-State Circuits</i> , 2021, 56, 3247-3262.	5.4	21
17	Optimizing the design of bipolar nerve cuff electrodes for improved recording of peripheral nerve activity. <i>Journal of Neural Engineering</i> , 2017, 14, 036015.	3.5	16
18	A pilot feasibility study of treating overactive bladder patients with percutaneous saphenous nerve stimulation. <i>Neurourology and Urodynamics</i> , 2018, 37, 1815-1820.	1.5	14

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19	Frequency-dependent inhibition of bladder function by saphenous nerve stimulation in anesthetized rats. <i>Neurourology and Urodynamics</i> , 2018, 37, 592-599.	1.5	14
20	Inhibition and Excitation of Bladder Function by Tibial Nerve Stimulation Using a Wirelessly Powered Implant: An Acute Study in Anesthetized Cats. <i>Journal of Urology</i> , 2016, 196, 926-933.	0.4	12
21	A finite element modeling study of peripheral nerve recruitment by percutaneous tibial nerve stimulation in the human lower leg. <i>Medical Engineering and Physics</i> , 2018, 53, 32-38.	1.7	12
22	Characterizing the reduction of stimulation artifact noise in a tripolar nerve cuff electrode by application of a conductive shield layer. <i>Medical Engineering and Physics</i> , 2017, 40, 39-46.	1.7	10
23	Recruitment of unmyelinated C-fibers mediates the bladder-inhibitory effects of tibial nerve stimulation in a continuous-fill anesthetized rat model. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F163-F171.	2.7	10
24	Feasibility of Long-term Tibial Nerve Stimulation Using a Multi-contact and Wirelessly Powered Neurostimulation System Implanted in Rats. <i>Urology</i> , 2017, 102, 61-67.	1.0	9
25	Enhanced electrode design for peripheral nerve recording. , 2013, , .		8
26	Intraurethral activation of excitatory bladder reflexes in persons with spinal cord injury. , 2009, 2009, 6781-4.		7
27	Characterizing the transcutaneous electrical recruitment of lower leg afferents in healthy adults: implications for non-invasive treatment of overactive bladder. <i>BMC Urology</i> , 2018, 18, 10.	1.4	7
28	An Enhanced Method of Transcutaneously Stimulating the Tibial Nerve for the Treatment of Overactive Bladder. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2605-2613.	2.5	6
29	Enhanced transcutaneous electrical nerve stimulation achieved by a localized virtual bipole: a computational study of human tibial nerve stimulation. <i>Journal of Neural Engineering</i> , 2020, 17, 026041.	3.5	6
30	Electrical stimulation of the saphenous nerve in anesthetized rats: A novel therapeutic approach to treating overactive bladder. , 2016, 2016, 3125-3128.		4
31	Transecting the hypogastric nerve to uncover the bladder-inhibitory pathways involved with saphenous nerve stimulation in anesthetized rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2020, 226, 102672.	2.8	3
32	Classification of directionally specific vagus nerve activity using an upper airway obstruction model in anesthetized rodents. <i>Scientific Reports</i> , 2021, 11, 10682.	3.3	3
33	Neural Prosthesis for Obstructive Sleep Apnea. , 2005, 2005, 5254-6.		2
34	Selective control of physiological responses by temporally-patterned electrical stimulation of the canine vagus nerve. , 2011, 2011, 3107-10.		2
35	Co-activation of saphenous nerve fibers: A potential therapeutic mechanism of percutaneous tibial nerve stimulation?. , 2016, 2016, 3129-3132.		2
36	Reduced genioglossus muscle activity caused by fluid overload in anesthetized rats. <i>Physiological Reports</i> , 2020, 8, e14445.	1.7	2

#	ARTICLE	IF	CITATIONS
37	Peripheral Nerve Signals for Neural Control. , 2007, , .		1
38	Computational Study on Spatially Distributed Sequential Stimulation for Fatigue Resistant Neuromuscular Electrical Stimulation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 2578-2586.	4.9	1
39	Posterior tibial nerve stimulation using a wirelessly powered system in anesthetized cats. , 2016, 2016, 4459-4462.		0