

# Jonathan M Beckel

## List of Publications by Year in descending order

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47  
papers

1,968  
citations

304602

22  
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243529

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all docs

47  
docs citations

47  
times ranked

2803  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms Underlying Poststimulation Block Induced by High-Frequency Biphasic Stimulation. <i>Neuromodulation</i> , 2023, 26, 577-588.	0.4	7
2	Superficial Peroneal Neuromodulation of Nonobstructive Urinary Retention Induced by Prolonged Pudendal Afferent Activity in Cats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2022, , .	0.9	1
3	Temperature Effect on Nerve Conduction Block Induced by High-Frequency (kHz) Biphasic Stimulation. <i>Neuromodulation</i> , 2022, , .	0.4	1
4	Sacral neuromodulation of bladder underactivity induced by prolonged pudendal afferent firing in cats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2022, 322, R535-R541.	0.9	3
5	Pudendal Nerve Block by Low-Frequency (1 kHz) Biphasic Electrical Stimulation. <i>Neuromodulation</i> , 2021, 24, 1012-1017.	0.4	9
6	Bladder underactivity induced by prolonged pudendal afferent activity in cats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R80-R87.	0.9	6
7	Activation of TRPM8 channel inhibits contraction of the isolated human ureter. <i>Neurourology and Urodynamics</i> , 2021, 40, 1450-1459.	0.8	3
8	Superficial peroneal neuromodulation of persistent bladder underactivity induced by prolonged pudendal afferent nerve stimulation in cats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R675-R682.	0.9	2
9	TRP Channel Agonists Activate Different Afferent Neuromodulatory Mechanisms in Guinea Pig Urinary Bladder. <i>Frontiers in Physiology</i> , 2021, 12, 692719.	1.3	4
10	Functional roles for PIEZO1 and PIEZO2 in urothelial mechanotransduction and lower urinary tract interoception. <i>JCI Insight</i> , 2021, 6, .	2.3	40
11	Model Analysis of Post-Stimulation Effect on Axonal Conduction and Block. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 2974-2985.	2.5	6
12	Low pressure voiding induced by stimulation and 1kHz post-stimulation block of the pudendal nerves in cats. <i>Experimental Neurology</i> , 2021, 346, 113860.	2.0	5
13	High-frequency stimulation induces axonal conduction block without generating initial action potentials. <i>Journal of Computational Neuroscience</i> , 2021, , 1.	0.6	3
14	Defecation Induced by Stimulation of Sacral S2 Spinal Root in Cats. <i>American Journal of Physiology - Renal Physiology</i> , 2021, , .	1.6	2
15	Polarized Cytokine Release Triggered by P2X7 Receptor from Retinal Pigmented Epithelial Cells Dependent on Calcium Influx. <i>Cells</i> , 2020, 9, 2537.	1.8	11
16	LPS-mediated release of ATP from urothelial cells occurs by lysosomal exocytosis. <i>Neurourology and Urodynamics</i> , 2020, 39, 1321-1329.	0.8	15
17	Response of hypogastric afferent fibers to bladder distention or irritation in cats. <i>Experimental Neurology</i> , 2020, 329, 113301.	2.0	2
18	Superficial peroneal neuromodulation of nonobstructive urinary retention in cats. <i>Neurourology and Urodynamics</i> , 2020, 39, 1679-1686.	0.8	3

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19	CAKUT and Autonomic Dysfunction Caused by Acetylcholine Receptor Mutations. American Journal of Human Genetics, 2019, 105, 1286-1293.	2.6	18
20	Stimulation of TLR3 triggers release of lysosomal ATP in astrocytes and epithelial cells that requires TRPML1 channels. Scientific Reports, 2018, 8, 5726.	1.6	31
21	The effect of the electrophilic fatty acid nitro-oleic acid on TRP channel function in sensory neurons. Nitric Oxide - Biology and Chemistry, 2018, 78, 154-160.	1.2	5
22	Involvement of TRPM4 in detrusor overactivity following spinal cord transection in mice. Naunyn-Schmiedeberg's Archives of Pharmacology, 2018, 391, 1191-1202.	1.4	18
23	Age-related endolysosome dysfunction in the rat urothelium. PLoS ONE, 2018, 13, e0198817.	1.1	32
24	The P2X7 receptor links mechanical strain to cytokine $IL-6$ upregulation and release in neurons and astrocytes. Journal of Neurochemistry, 2017, 141, 436-448.	2.1	40
25	The P2X7 Receptor Primes $IL-1\beta$ and the NLRP3 Inflammasome in Astrocytes Exposed to Mechanical Strain. Frontiers in Cellular Neuroscience, 2017, 11, 227.	1.8	109
26	Neuronal Release of Cytokine IL-3 Triggered by Mechanosensitive Autostimulation of the P2X7 Receptor Is Neuroprotective. Frontiers in Cellular Neuroscience, 2016, 10, 270.	1.8	44
27	Treatment of Retinal Disorders with Purinergic Drugs: Beyond Receptors. Journal of Ocular Pharmacology and Therapeutics, 2016, 32, 488-489.	0.6	3
28	MP21-16 ROLE OF TRPM4 ON MORPHOLOGICAL AND FUNCTIONAL CHANGES IN THE NEUROGENIC BLADDER. Journal of Urology, 2015, 193, .	0.2	0
29	Pannexin 1 channels mediate the release of ATP into the lumen of the rat urinary bladder. Journal of Physiology, 2015, 593, 1857-1871.	1.3	75
30	The Lower Urinary Tract. , 2015, , 247-263.		3
31	Lysosomal alkalization and dysfunction in human fibroblasts with the Alzheimer's disease-linked presenilin 1 A246E mutation can be reversed with cAMP. Neuroscience, 2014, 263, 111-124.	1.1	152
32	Mechanosensitive release of adenosine $5'$ -triphosphate through pannexin channels and mechanosensitive upregulation of pannexin channels in optic nerve head astrocytes: A mechanism for purinergic involvement in chronic strain. Glia, 2014, 62, 1486-1501.	2.5	140
33	Approaches for detecting lysosomal alkalization and impaired degradation in fresh and cultured RPE cells: Evidence for a role in retinal degenerations. Experimental Eye Research, 2014, 126, 68-76.	1.2	70
34	Activation of TRPC channels contributes to $NO_2$ -induced responses in guinea pig dorsal root ganglion neurons. Journal of Physiology, 2014, 592, 4297-4312.	1.3	9
35	Lysosomal alkalization, lipid oxidation, and reduced phagosome clearance triggered by activation of the P2X7 receptor. FASEB Journal, 2013, 27, 4500-4509.	0.2	81
36	Differential expression and function of nicotinic acetylcholine receptors in the urinary bladder epithelium of the rat. Journal of Physiology, 2012, 590, 1465-1480.	1.3	41

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37	Neurons respond directly to mechanical deformation with pannexin-mediated ATP release and autostimulation of P2X <sub>7</sub> receptors. <i>Journal of Physiology</i> , 2012, 590, 2285-2304.	1.3	155
38	Neuroanatomy of the Lower Urinary Tract. <i>Handbook of Experimental Pharmacology</i> , 2011, , 99-116.	0.9	42
39	Neurophysiology of the Lower Urinary Tract. <i>Handbook of Experimental Pharmacology</i> , 2011, , 149-169.	0.9	43
40	Heterogeneity of muscarinic receptor-mediated Ca <sup>2+</sup> responses in cultured urothelial cells from rat. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, F971-F981.	1.3	83
41	Expression and function of rat urothelial P2Y receptors. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, F821-F829.	1.3	54
42	Non-neuronal acetylcholine and urinary bladder urothelium. <i>Life Sciences</i> , 2007, 80, 2298-2302.	2.0	130
43	Expression of functional nicotinic acetylcholine receptors in rat urinary bladder epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, F103-F110.	1.3	104
44	Expression and functionality of urothelial muscarinic receptors. <i>FASEB Journal</i> , 2006, 20, A245.	0.2	0
45	Expression and function of bradykinin B1 and B2 receptors in normal and inflamed rat urinary bladder urothelium. <i>Journal of Physiology</i> , 2005, 562, 859-871.	1.3	113
46	Distribution of the tight junction proteins ZO-1, occludin, and claudin-4, -8, and -12 in bladder epithelium. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, F305-F318.	1.3	204
47	Analysis of the afferent limb of the vesicovascular reflex using neurotoxins, resiniferatoxin and capsaicin. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 281, R1302-R1310.	0.9	46