

Anna P Malykhina

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,441
citations

361413

20
h-index

345221

36
g-index

69
all docs

69
docs citations

69
times ranked

1665
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural mechanisms of pelvic organ cross-sensitization. <i>Neuroscience</i> , 2007, 149, 660-672.	2.3	220
2	Hyperexcitability of convergent colon and bladder dorsal root ganglion neurons after colonic inflammation: mechanism for pelvic organ cross-talk. <i>Neurogastroenterology and Motility</i> , 2006, 18, 936-948.	3.0	124
3	Cross-Organ Sensitization of Lumbosacral Spinal Neurons Receiving Urinary Bladder Input in Rats With Inflamed Colon. <i>Gastroenterology</i> , 2005, 129, 1967-1978.	1.3	98
4	Experimental colitis triggers the release of substance P and calcitonin gene-related peptide in the urinary bladder via TRPV1 signaling pathways. <i>Experimental Neurology</i> , 2010, 225, 262-273.	4.1	71
5	Altered gene expression and increased bursting activity of colonic smooth muscle ATP-sensitive K ⁺ channels in experimental colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, G274-G285.	3.4	59
6	The GAA triplet-repeat is unstable in the context of the human FXN locus and displays age-dependent expansions in cerebellum and DRG in a transgenic mouse model. <i>Human Genetics</i> , 2006, 120, 633-640.	3.8	59
7	Colonic inflammation increases Na ⁺ currents in bladder sensory neurons. <i>NeuroReport</i> , 2004, 15, 2601-2605.	1.2	55
8	Do the urinary bladder and large bowel interact, in sickness or in health?: ICIâ€RS 2011. <i>Neurourology and Urodynamics</i> , 2012, 31, 352-358.	1.5	51
9	Cloning and Functional Characterization of the Smooth Muscle Ether-a-go-go-related Gene K ⁺ Channel. <i>Journal of Biological Chemistry</i> , 2003, 278, 2503-2514.	3.4	46
10	The Effects of Sevoflurane and Propofol on QT Interval and Heterologously Expressed Human Ether-A-Go-Go Related Gene Currents in Xenopus Oocytes. <i>Anesthesia and Analgesia</i> , 2006, 102, 98-103.	2.2	32
11	VEGF induces sensory and motor peripheral plasticity, alters bladder function, and promotes visceral sensitivity. <i>BMC Physiology</i> , 2012, 12, 15.	3.6	29
12	Fenamate-induced enhancement of heterologously expressed HERG currents in Xenopus oocytes. <i>European Journal of Pharmacology</i> , 2002, 452, 269-277.	3.5	27
13	Inhibition of HIF Reduces Bladder Hypertrophy and Improves Bladder Function in Murine Model of Partial Bladder Outlet Obstruction. <i>Journal of Urology</i> , 2016, 195, 1250-1256.	0.4	27
14	Nitrotyrosylation of Ca ²⁺ Channels Prevents c-Src Kinase Regulation of Colonic Smooth Muscle Contractility in Experimental Colitis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 322, 948-956.	2.5	25
15	Colonic inflammation upâ€regulates voltageâ€gated sodium channels in bladder sensory neurons via activation of peripheral transient potential vanilloid 1 receptors. <i>Neurogastroenterology and Motility</i> , 2012, 24, 575.	3.0	24
16	Response of the human detrusor to stretch is regulated by TREKâ€1, a twoâ€poreâ€domain (K _{2P}) mechanoâ€gated potassium channel. <i>Journal of Physiology</i> , 2014, 592, 3013-3030.	2.9	24
17	Preventative effects of a HIF inhibitor, 17-DMAG, on partial bladder outlet obstruction-induced bladder dysfunction. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F1149-F1160.	2.7	24
18	Evidence of bladder oversensitivity in the absence of an infection in premenopausal women with a history of recurrent urinary tract infections. <i>BJU International</i> , 2012, 110, 247-251.	2.5	23

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19	The impact of pontine disease on lower urinary tract symptoms in patients with multiple sclerosis. <i>Neurourology and Urodynamics</i> , 2017, 36, 453-456.	1.5	23
20	Spontaneous and evoked contractions are regulated by PKC-mediated signaling in detrusor smooth muscle: involvement of BK channels. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 304, F451-F462.	2.7	21
21	Acute colonic inflammation triggers detrusor instability via activation of TRPV1 receptors in a rat model of pelvic organ cross-sensitization. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R1392-R1400.	1.8	20
22	Basal and stress-activated hypothalamic pituitary adrenal axis function in postmenopausal women with overactive bladder. <i>International Urogynecology Journal</i> , 2016, 27, 1383-1391.	1.4	20
23	Lack of transient receptor potential vanilloid 1 channel modulates the development of neurogenic bladder dysfunction induced by cross-sensitization in afferent pathways. <i>Journal of Neuroinflammation</i> , 2013, 10, 3.	7.2	19
24	Coronavirus-induced demyelination of neural pathways triggers neurogenic bladder overactivity in a mouse model of multiple sclerosis. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F612-F622.	2.7	19
25	The Disease-Causing Mutations in the Carboxyl Terminus of the Cone Cyclic Nucleotide-Gated Channel CNGA3 Subunit Alter the Local Secondary Structure and Interfere with the Channel Active Conformational Change. <i>Biochemistry</i> , 2010, 49, 1628-1639.	2.5	18
26	Urinary neurotrophic peptides in postmenopausal women with and without overactive bladder. <i>Neurourology and Urodynamics</i> , 2017, 36, 740-744.	1.5	17
27	Differential effects of intravesical resiniferatoxin on excitability of bladder spinal neurons upon colonâ€“bladder cross-sensitization. <i>Brain Research</i> , 2013, 1491, 213-224.	2.2	16
28	What is the role of covert infection in detrusor overactivity, and other LUTD? ICI-RS 2013. <i>Neurourology and Urodynamics</i> , 2014, 33, 606-610.	1.5	16
29	Urinary Biomarkers in Women with Refractory Urgency Urinary Incontinence Randomized to Sacral Neuromodulation versus OnabotulinumtoxinA Compared to Controls. <i>Journal of Urology</i> , 2017, 197, 1487-1495.	0.4	15
30	Genitourinary and gastrointestinal co-morbidities in children: The role of neural circuits in regulation of visceral function. <i>Journal of Pediatric Urology</i> , 2016, 13, 177-182.	1.1	14
31	Sensory satellite glial Gq-GPCR activation alleviates inflammatory pain via peripheral adenosine 1 receptor activation. <i>Scientific Reports</i> , 2020, 10, 14181.	3.3	12
32	Early life voiding dysfunction leads to lower urinary tract dysfunction through alteration of muscarinic and purinergic signaling in the bladder. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1320-F1328.	2.7	11
33	Differential neurodegenerative phenotypes are associated with heterogeneous voiding dysfunction in a coronavirus-induced model of multiple sclerosis. <i>Scientific Reports</i> , 2019, 9, 10869.	3.3	11
34	Impact of Regular Cannabis Use on Biomarkers of Lower Urinary Tract Function. <i>Urology</i> , 2017, 109, 223.e9-223.e16.	1.0	10
35	How the brain controls urination. <i>ELife</i> , 2017, 6, .	6.0	10
36	Molecular Pathogenesis of Achromatopsia Associated with Mutations in the Cone Cyclic Nucleotide-Gated Channel CNGA3 Subunit. <i>Advances in Experimental Medicine and Biology</i> , 2010, 664, 245-253.	1.6	10

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37	How are we going to make progress treating bladder pain syndrome? ICI-RS 2013. <i>Neurourology and Urodynamics</i> , 2014, 33, 625-629.	1.5	9
38	Functional Expression of Cone Cyclic Nucleotide-Gated Channel in Cone Photoreceptor-Derived 661W Cells. <i>Advances in Experimental Medicine and Biology</i> , 2008, 613, 327-334.	1.6	9
39	Alterations in Nerve-Evoked Bladder Contractions in a Coronavirus-Induced Mouse Model of Multiple Sclerosis. <i>PLoS ONE</i> , 2014, 9, e109314.	2.5	9
40	Acute Colitis Enhances Responsiveness of Lumbosacral Spinal Neurons to Colorectal Distension in Rats. <i>Digestive Diseases and Sciences</i> , 2008, 53, 141-148.	2.3	8
41	Bladder outlet obstruction triggers neural plasticity in sensory pathways and contributes to impaired sensitivity in erectile dysfunction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R837-R845.	1.8	8
42	Regulation of urinary bladder function by protein kinase C in physiology and pathophysiology. <i>BMC Urology</i> , 2015, 15, 110.	1.4	8
43	Protein kinase C modulates frequency of micturition and non-voiding contractions in the urinary bladder via neuronal and myogenic mechanisms. <i>BMC Urology</i> , 2015, 15, 34.	1.4	8
44	Association between urinary symptom severity and white matter plaque distribution in women with multiple sclerosis. <i>Neurourology and Urodynamics</i> , 2020, 39, 339-346.	1.5	8
45	Estrous Cycle Dependent Fluctuations of Regulatory Neuropeptides in the Lower Urinary Tract of Female Rats upon Colon-Bladder Cross-Sensitization. <i>PLoS ONE</i> , 2014, 9, e94872.	2.5	7
46	Altered expression and modulation of the two-pore-domain (K2P) mechanogated potassium channel TREK-1 in overactive human detrusor. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F535-F546.	2.7	7
47	Altered detrusor contractility and voiding patterns in mice lacking the mechanosensitive TREK-1 channel. <i>BMC Urology</i> , 2019, 19, 40.	1.4	7
48	Doxorubicin induces detrusor smooth muscle impairments through myosin dysregulation, leading to a risk of lower urinary tract dysfunction. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F197-F206.	2.7	7
49	The Expression of Transcription Factors Mecp2 and CREB Is Modulated in Inflammatory Pelvic Pain. <i>Frontiers in Systems Neuroscience</i> , 2018, 12, 69.	2.5	7
50	Inflammation-Induced "Channelopathies" in the Gastrointestinal Smooth Muscle. <i>Cell Biochemistry and Biophysics</i> , 2004, 41, 319-330.	1.8	6
51	Functional constipation induces bladder overactivity associated with upregulations of Htr2 and Trpv2 pathways. <i>Scientific Reports</i> , 2021, 11, 1149.	3.3	6
52	Cross-organ sensitization of thoracic spinal neurons receiving noxious cardiac input in rats with gastroesophageal reflux. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, G934-G942.	3.4	5
53	Association of genetic polymorphisms in the pore domains of mechano-gated TREK-1 channel with overactive lower urinary tract symptoms in humans. <i>Neurourology and Urodynamics</i> , 2019, 38, 144-150.	1.5	5
54	Transurethral Instillation Procedure in Adult Male Mouse. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	4

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55	Neuro-tracing approach to study kidney innervation: a technical note. <i>Kidney Research and Clinical Practice</i> , 2017, 36, 86-94.	2.2	4
56	Relationship of Pain Catastrophizing With Urinary Biomarkers in Women With Bladder Pain Syndrome. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , 2021, 27, 746-752.	1.1	3
57	Relationship of Bladder Pain With Clinical and Urinary Markers of Neuroinflammation in Women With Urinary Urgency Without Urinary Incontinence. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , 2021, 27, e418-e422.	1.1	3
58	Pharmacogenetic inhibition of lumbosacral sensory neurons alleviates visceral hypersensitivity in a mouse model of chronic pelvic pain. <i>PLoS ONE</i> , 2022, 17, e0262769.	2.5	2
59	MP38-09 THE LACK OF MECHANOSENSITIVE K2P CHANNEL IS ASSOCIATED WITH MIXED VOIDING PHENOTYPE IN MICE. <i>Journal of Urology</i> , 2018, 199, .	0.4	1
60	THE ROLE OF SENSORY PATHWAYS IN THE DEVELOPMENT OF CROSS-SENSITIZATION BETWEEN THE URINARY AND GASTROINTESTINAL SYSTEMS. <i>Journal of Urology</i> , 2009, 181, 335-336.	0.4	0
61	S1806 Experimentally Induced Colitis Modulates the Release of Nerve Growth Factor and Brain-Derived Neurotrophic Factor in the Pelvis via TRPV1 Related Pathways. <i>Gastroenterology</i> , 2010, 138, S-278.	1.3	0
62	PD70-03 FRESHLY DISSOCIATED SMOOTH MUSCLE CELLS FROM DETRUSOR OVERACTIVE HUMAN BLADDERS SHOW ABNORMAL EXPRESSION OF TREK-1 CHANNELS AND CAVEOLAE MEMBRANE MICRODOMAINS.. <i>Journal of Urology</i> , 2017, 197, .	0.4	0