

# Lori A Birder

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

112  
papers

4,168  
citations

37  
h-index

62  
g-index

122  
ext. papers

4,690  
ext. citations

4.6  
avg, IF

5.87  
L-index

#	Paper	IF	Citations
112	Improved Urothelial Cell Proliferation, Cytoskeleton and Barrier Function Protein Expression in the Patients With Interstitial Cystitis/Bladder Pain Syndrome After Intravesical Platelet-Rich Plasma Injection.. <i>International Neurourology Journal</i> , <b>2022</b> ,	2.6	2
111	Oxidative Stress Biomarkers in Age-Related Lower Urinary Tract Disorders: A Systematic Review.. <i>International Neurourology Journal</i> , <b>2022</b> , 26, 3-19	2.6	0
110	Effects of vasopressin receptor agonists on detrusor smooth muscle tone in young and aged bladders: Implications for nocturia treatment <b>2022</b> , 100032		0
109	A uro-protective agent with restorative actions on urethral and striated muscle morphology. <i>World Journal of Urology</i> , <b>2021</b> , 39, 2685-2690	4	4
108	Deficits of urothelial cell proliferation, cytoskeleton, and barrier function protein expressions in patients with recurrent and persistent urinary tract infections. <i>LUTS: Lower Urinary Tract Symptoms</i> , <b>2021</b> , 13, 203-209	1.9	0
107	Urothelial health after platelet-rich plasma injection in intractable recurrent urinary tract infection: Improved cell proliferation, cytoskeleton, and barrier function protein expression. <i>LUTS: Lower Urinary Tract Symptoms</i> , <b>2021</b> , 13, 271-278	1.9	3
106	Cardiovascular risk independently predicts small functional bladder storage capacity. <i>International Urology and Nephrology</i> , <b>2021</b> , 53, 35-39	2.3	3
105	First voided volume: A novel approach to characterize nocturia. <i>Neurourology and Urodynamics</i> , <b>2021</b> , 40, 848-854	2.3	0
104	Re: PIEZO2 in Sensory Neurons and Urothelial Cells Coordinate Urination. <i>European Urology</i> , <b>2021</b> , 80, 255-256	10.2	
103	Are oxidative stress and ischemia significant causes of bladder damage leading to lower urinary tract dysfunction? Report from the ICI-RS 2019. <i>Neurourology and Urodynamics</i> , <b>2020</b> , 39 Suppl 3, S16-S22	2.3	11
102	Purine nucleoside phosphorylase inhibition ameliorates age-associated lower urinary tract dysfunctions. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	4
101	Nocturnal Urine Production in Women With Global Polyuria. <i>International Neurourology Journal</i> , <b>2020</b> , 24, 270-277	2.6	0
100	Commentary on "Cognitive Function and Urologic Medications for Lower Urinary Tract Symptoms". <i>International Neurourology Journal</i> , <b>2020</b> , 24, 295	2.6	
99	Is there a role for oxidative stress and mitochondrial dysfunction in age-associated bladder disorders?. <i>Tzu Chi Medical Journal</i> , <b>2020</b> , 32, 223-226	1.1	2
98	Should we be revisiting LUT basic science and clinical measurement of LUT sensation to improve patient care? ICI-RS 2019. <i>Neurourology and Urodynamics</i> , <b>2020</b> , 39 Suppl 3, S23-S29	2.3	1
97	Are there relevant animal models to set research priorities in LUTD? ICI-RS 2019. <i>Neurourology and Urodynamics</i> , <b>2020</b> , 39 Suppl 3, S9-S15	2.3	0
96	TASCI-transcutaneous tibial nerve stimulation in patients with acute spinal cord injury to prevent neurogenic detrusor overactivity: protocol for a nationwide, randomised, sham-controlled, double-blind clinical trial. <i>BMJ Open</i> , <b>2020</b> , 10, e039164	3	6

95	Associations between nighttime and daytime maximum voided volumes: Relevance for nocturia?. <i>Neurourology and Urodynamics</i> , <b>2020</b> , 39, 2301-2304	2.3	
94	The role of prostaglandin and E series prostaglandin receptor type 4 receptors in the development of bladder overactivity in a rat model of chemically induced prostatic inflammation. <i>BJU International</i> , <b>2019</b> , 124, 883-891	5.6	4
93	Pathophysiology of interstitial cystitis. <i>International Journal of Urology</i> , <b>2019</b> , 26 Suppl 1, 12-15	2.3	34
92	Neuromodulation of Urinary Tract Function. <i>New England Journal of Medicine</i> , <b>2019</b> , 380, 2067-2069	59.2	9
91	Acute spinal cord injury is associated with mitochondrial dysfunction in mouse urothelium. <i>Neurourology and Urodynamics</i> , <b>2019</b> , 38, 1551-1559	2.3	9
90	Upregulation of neurotrophins and transforming growth factor- $\beta$ expression in the bladder may lead to nerve hyperplasia and fibrosis in patients with severe ketamine-associated cystitis. <i>Neurourology and Urodynamics</i> , <b>2019</b> , 38, 2303-2310	2.3	6
89	Pathophysiological Mechanisms of Nocturia and Nocturnal Polyuria: The Contribution of Cellular Function, the Urinary Bladder Urothelium, and Circadian Rhythm. <i>Urology</i> , <b>2019</b> , 133S, 14-23	1.6	6
88	Dysregulation of bladder corticotropin-releasing hormone receptor in the pathogenesis of human interstitial cystitis/bladder pain syndrome. <i>Scientific Reports</i> , <b>2019</b> , 9, 19169	4.9	4
87	Stress-induced autonomic dysregulation of mitochondrial function in the rat urothelium. <i>Neurourology and Urodynamics</i> , <b>2019</b> , 38, 572-581	2.3	15
86	Aging increases the expression of vasopressin receptors in both the kidney and urinary bladder. <i>Neurourology and Urodynamics</i> , <b>2019</b> , 38, 393-397	2.3	9
85	Role of neurogenic inflammation in local communication in the visceral mucosa. <i>Seminars in Immunopathology</i> , <b>2018</b> , 40, 261-279	12	14
84	The aging bladder insights from animal models. <i>Asian Journal of Urology</i> , <b>2018</b> , 5, 135-140	2.7	11
83	Layer-dependent role of collagen recruitment during loading of the rat bladder wall. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2018</b> , 17, 403-417	3.8	19
82	Animal Modelling of Interstitial Cystitis/Bladder Pain Syndrome. <i>International Neurourology Journal</i> , <b>2018</b> , 22, S3-9	2.6	34
81	Involvement of TRPM4 in detrusor overactivity following spinal cord transection in mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2018</b> , 391, 1191-1202	3.4	13
80	Neuronal Activation in the Periaqueductal Gray Matter Upon Electrical Stimulation of the Bladder. <i>Frontiers in Cellular Neuroscience</i> , <b>2018</b> , 12, 133	6.1	5
79	Inflammation and Tissue Remodeling in the Bladder and Urethra in Feline Interstitial Cystitis. <i>Frontiers in Systems Neuroscience</i> , <b>2018</b> , 12, 13	3.5	8
78	Age-related endolysosome dysfunction in the rat urothelium. <i>PLoS ONE</i> , <b>2018</b> , 13, e0198817	3.7	18

77	Feline Interstitial Cystitis Enhances Mucosa-Dependent Contractile Responses to Serotonin. <i>International Neurourology Journal</i> , <b>2018</b> , 22, 246-251	2.6	1
76	Relaxin-2 therapy reverses radiation-induced fibrosis and restores bladder function in mice. <i>Neurourology and Urodynamics</i> , <b>2018</b> , 37, 2441-2451	2.3	23
75	Targeting p75 neurotrophin receptors ameliorates spinal cord injury-induced detrusor sphincter dyssynergia in mice. <i>Neurourology and Urodynamics</i> , <b>2018</b> , 37, 2452-2461	2.3	8
74	Patient characteristics for different therapeutic strategies in the management ketamine cystitis. <i>Neurourology and Urodynamics</i> , <b>2017</b> , 36, 687-691	2.3	17
73	Urothelial proliferation and regeneration after spinal cord injury. <i>American Journal of Physiology - Renal Physiology</i> , <b>2017</b> , 313, F85-F102	4.3	24
72	Recent advances in pharmacological management of urinary incontinence. <i>F1000Research</i> , <b>2017</b> , 6, 21483.6		3
71	Current Pharmacologic Approaches in Painful Bladder Research: An Update. <i>International Neurourology Journal</i> , <b>2017</b> , 21, 235-242	2.6	16
70	New Frontiers of Basic Science Research in Neurogenic Lower Urinary Tract Dysfunction. <i>Urologic Clinics of North America</i> , <b>2017</b> , 44, 491-505	2.9	8
69	Urothelial Tight Junction Barrier Dysfunction Sensitizes Bladder Afferents. <i>ENeuro</i> , <b>2017</b> , 4,	3.9	24
68	Host Responses to Urinary Tract Infections and Emerging Therapeutics: Sensation and Pain within the Urinary Tract <b>2016</b> , 565-588		0
67	Abnormal Sensory Protein Expression and Urothelial Dysfunction in Ketamine-Related Cystitis in Humans. <i>International Neurourology Journal</i> , <b>2016</b> , 20, 197-202	2.6	7
66	Botulinum Toxin A for Bladder Pain Syndrome/Interstitial Cystitis. <i>Toxins</i> , <b>2016</b> , 8,	4.9	15
65	Detrusor underactivity and the underactive bladder: Symptoms, function, cause-what do we mean? ICI-RS think tank 2014. <i>Neurourology and Urodynamics</i> , <b>2016</b> , 35, 312-7	2.3	39
64	Implications for bidirectional signaling between afferent nerves and urothelial cells-ICI-RS 2014. <i>Neurourology and Urodynamics</i> , <b>2016</b> , 35, 273-7	2.3	14
63	Host Responses to Urinary Tract Infections and Emerging Therapeutics: Sensation and Pain within the Urinary Tract. <i>Microbiology Spectrum</i> , <b>2016</b> , 4,	8.9	8
62	Characterization of bladder and external urethral activity in mice with or without spinal cord injury--a comparison study with rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2016</b> , 310, R752-8	3.2	44
61	Fundamentals and clinical perspective of urethral sphincter instability as a contributing factor in patients with lower urinary tract dysfunction--ICI-RS 2014. <i>Neurourology and Urodynamics</i> , <b>2016</b> , 35, 318-23	2.3	19
60	Laser-capture microdissection for analysis of cell type-specific gene expression of muscarinic receptor subtypes in the rat bladder with cyclophosphamide-induced cystitis. <i>International Urology and Nephrology</i> , <b>2015</b> , 47, 637-42	2.3	8

59	The underactive bladder: a new clinical concept?. <i>European Urology</i> , <b>2015</b> , 68, 351-3	10.2	97
58	P2X3 receptors and sensitization of autonomic reflexes. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2015</b> , 191, 16-24	2.4	22
57	Effect of botulinum toxin A on urothelial-release of ATP and expression of SNARE targets within the urothelium. <i>Neurourology and Urodynamics</i> , <b>2015</b> , 34, 79-84	2.3	49
56	Urinary bladder mucosal responses to ischemia. <i>World Journal of Urology</i> , <b>2015</b> , 33, 275-80	4	12
55	Pannexin 1 channels mediate the release of ATP into the lumen of the rat urinary bladder. <i>Journal of Physiology</i> , <b>2015</b> , 593, 1857-71	3.9	60
54	Urothelial mucosal signaling and the overactive bladder-ICI-RS 2013. <i>Neurourology and Urodynamics</i> , <b>2014</b> , 33, 597-601	2.3	21
53	Corticotropin-releasing factor family peptide signaling in feline bladder urothelial cells. <i>Journal of Endocrinology</i> , <b>2014</b> , 222, 113-21	4.7	44
52	Mechanisms of pelvic organ cross-talk: impact of urethral ligation on the inhibitory rectovesical reflex. <i>Journal of Urology</i> , <b>2014</b> , 192, 1574-9	2.5	6
51	Bladder smooth muscle strip contractility as a method to evaluate lower urinary tract pharmacology. <i>Journal of Visualized Experiments</i> , <b>2014</b> , e51807	1.6	14
50	Evidence for bladder urothelial pathophysiology in functional bladder disorders. <i>BioMed Research International</i> , <b>2014</b> , 2014, 865463	3	56
49	Urethral sensation: basic mechanisms and clinical expressions. <i>International Journal of Urology</i> , <b>2014</b> , 21 Suppl 1, 13-6	2.3	16
48	Brain-derived neurotrophic factor in urinary continence and incontinence. <i>Nature Reviews Urology</i> , <b>2014</b> , 11, 579-88	5.5	19
47	Pilot study of liposome-encapsulated onabotulinumtoxin A for patients with overactive bladder: a single-center study. <i>European Urology</i> , <b>2014</b> , 65, 1117-24	10.2	78
46	Urinary bladder, cystitis and nerve/urothelial interactions. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2014</b> , 182, 89-94	2.4	16
45	Impact of diabetes mellitus on bladder uroepithelial cells. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2013</b> , 304, R84-93	3.2	34
44	Urothelial signaling. <i>Physiological Reviews</i> , <b>2013</b> , 93, 653-80	47.9	292
43	Nervous network for lower urinary tract function. <i>International Journal of Urology</i> , <b>2013</b> , 20, 4-12	2.3	29
42	Botulinum neurotoxin serotype A suppresses neurotransmitter release from afferent as well as efferent nerves in the urinary bladder. <i>European Urology</i> , <b>2012</b> , 62, 1157-64	10.2	58

41	Differential expression and function of nicotinic acetylcholine receptors in the urinary bladder epithelium of the rat. <i>Journal of Physiology</i> , <b>2012</b> , 590, 1465-80	3.9	38
40	Alterations in the non-neuronal acetylcholine synthesis and release machinery in esophageal epithelium. <i>Life Sciences</i> , <b>2012</b> , 91, 1065-9	6.8	12
39	Chronic pelvic pain syndrome/bladder pain syndrome: taking stock, looking ahead: ICI-RS 2011. <i>Neurourology and Urodynamics</i> , <b>2012</b> , 31, 375-83	2.3	16
38	Urothelial signaling. <i>Handbook of Experimental Pharmacology</i> , <b>2011</b> , 207-31	3.2	37
37	Cystitis, co-morbid disorders and associated epithelial dysfunction. <i>Neurourology and Urodynamics</i> , <b>2011</b> , 30, 668-72	2.3	15
36	Urothelial signaling. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2010</b> , 153, 33-40	2.4	83
35	Beyond neurons: Involvement of urothelial and glial cells in bladder function. <i>Neurourology and Urodynamics</i> , <b>2010</b> , 29, 88-96	2.3	50
34	Diabetic bladder dysfunction: current translational knowledge. <i>Journal of Urology</i> , <b>2009</b> , 182, S18-26	2.5	161
33	Regulation of urothelial cell function by corticotrophin peptides. <i>FASEB Journal</i> , <b>2009</b> , 23, 121.5	0.9	
32	VEGF receptors and neuropilins are expressed in the urothelial and neuronal cells in normal mouse urinary bladder and are upregulated in inflammation. <i>American Journal of Physiology - Renal Physiology</i> , <b>2008</b> , 295, F60-72	4.3	39
31	Expression and function of rat urothelial P2Y receptors. <i>American Journal of Physiology - Renal Physiology</i> , <b>2008</b> , 294, F821-9	4.3	51
30	Activation of muscarinic receptors in rat bladder sensory pathways alters reflex bladder activity. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 1977-87	6.6	94
29	New insights into the pharmacology of the bladder. <i>Current Opinion in Urology</i> , <b>2008</b> , 18, 347-52	2.8	16
28	PACAP-mediated ATP release from rat urothelium and regulation of PACAP/VIP and receptor mRNA in micturition pathways after cyclophosphamide (CYP)-induced cystitis. <i>Journal of Molecular Neuroscience</i> , <b>2008</b> , 36, 310-20	3.3	48
27	Role of urothelial nerve growth factor in human bladder function. <i>Neurourology and Urodynamics</i> , <b>2007</b> , 26, 405-9	2.3	54
26	What's hot from the ICS Annual Meeting 2006. <i>Neurourology and Urodynamics</i> , <b>2007</b> , 26, 148-153	2.3	
25	Activation of urothelial transient receptor potential vanilloid 4 by 4alpha-phorbol 12,13-didecanoate contributes to altered bladder reflexes in the rat. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2007</b> , 323, 227-35	4.7	118
24	TRPs in bladder diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2007</b> , 1772, 879-84	6.9	44

23	Non-neuronal acetylcholine and urinary bladder urothelium. <i>Life Sciences</i> , <b>2007</b> , 80, 2298-302	6.8	112
22	Mechanisms of disease: involvement of the urothelium in bladder dysfunction. <i>Nature Reviews Urology</i> , <b>2007</b> , 4, 46-54		266
21	Purinergic mechanisms in human bladder cancer cells. <i>FASEB Journal</i> , <b>2007</b> , 21, A1349	0.9	3
20	Urinary bladder urothelium: molecular sensors of chemical/thermal/mechanical stimuli. <i>Vascular Pharmacology</i> , <b>2006</b> , 45, 221-6	5.9	76
19	Role of the urothelium in urinary bladder dysfunction following spinal cord injury. <i>Progress in Brain Research</i> , <b>2006</b> , 152, 135-46	2.9	26
18	Expression of functional nicotinic acetylcholine receptors in rat urinary bladder epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , <b>2006</b> , 290, F103-10	4.3	97
17	Urothelial and Afferent Mechanisms Inducing Bladder Pain in Interstitial Cystitis. <i>Journal of Neuropathic Pain &amp; Symptom Palliation</i> , <b>2006</b> , 2, 3-22		
16	Expression and functionality of urothelial muscarinic receptors. <i>FASEB Journal</i> , <b>2006</b> , 20, A245	0.9	
15	Urothelial cell activation leads to afferent excitability: Effects of botulinum toxin A. <i>FASEB Journal</i> , <b>2006</b> , 20, A689	0.9	
14	Protein kinase C contributes to abnormal capsaicin responses in DRG neurons from cats with feline interstitial cystitis. <i>Neuroscience Letters</i> , <b>2005</b> , 381, 42-6	3.3	38
13	Abnormal excitability in capsaicin-responsive DRG neurons from cats with feline interstitial cystitis. <i>Experimental Neurology</i> , <b>2005</b> , 193, 437-43	5.7	56
12	Bladder Adelta afferent nerve activity in normal cats and cats with feline interstitial cystitis. <i>Journal of Urology</i> , <b>2005</b> , 173, 1011-5	2.5	36
11	Expression and function of bradykinin B1 and B2 receptors in normal and inflamed rat urinary bladder urothelium. <i>Journal of Physiology</i> , <b>2005</b> , 562, 859-71	3.9	103
10	More than just a barrier: urothelium as a drug target for urinary bladder pain. <i>American Journal of Physiology - Renal Physiology</i> , <b>2005</b> , 289, F489-95	4.3	136
9	ATP and purinergic receptor-dependent membrane traffic in bladder umbrella cells. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 2412-22	15.9	173
8	Role of the urothelium in bladder function. <i>Scandinavian Journal of Urology and Nephrology</i> , <b>2004</b> , 48-53		46
7	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> , <b>2004</b> , 287, F305-18	4.3	180
6	Disruption of bladder epithelium barrier function after spinal cord injury. <i>American Journal of Physiology - Renal Physiology</i> , <b>2003</b> , 284, F966-76	4.3	78

5	Effect of nepadutant, a neurokinin 2 tachykinin receptor antagonist, on immediate-early gene expression after trinitrobenzenesulfonic acid-induced colitis in the rat. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2003</b> , 304, 272-6	4.7	22
4	Beta-adrenoceptor agonists stimulate endothelial nitric oxide synthase in rat urinary bladder urothelial cells. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 8063-70	6.6	185
3	Manganese superoxide dismutase gene therapy protects against irradiation-induced cystitis. <i>American Journal of Physiology - Renal Physiology</i> , <b>2002</b> , 283, F1304-12	4.3	54
2	Pharmacological evaluation of the role of cyclooxygenase isoenzymes on the micturition reflex following experimental cystitis in rats. <i>British Journal of Pharmacology</i> , <b>2000</b> , 130, 331-8	8.6	39
1	Adrenergic- and capsaicin-evoked nitric oxide release from urothelium and afferent nerves in urinary bladder. <i>American Journal of Physiology - Renal Physiology</i> , <b>1998</b> , 275, F226-9	4.3	107