

Toby C Chai

List of Publications by Year in descending order

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121
papers

5,944
citations

117625

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74163

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128
all docs

128
docs citations

128
times ranked

3146
citing authors

#	ARTICLE	IF	CITATIONS
1	Retropubic versus Transobturator Midurethral Slings for Stress Incontinence. <i>New England Journal of Medicine</i> , 2010, 362, 2066-2076.	27.0	605
2	Diagnosis and Treatment of Overactive Bladder (Non-Neurogenic) in Adults: AUA/SUFU Guideline. <i>Journal of Urology</i> , 2012, 188, 2455-2463.	0.4	553
3	Burch Colposuspension versus Fascial Sling to Reduce Urinary Stress Incontinence. <i>New England Journal of Medicine</i> , 2007, 356, 2143-2155.	27.0	456
4	A Randomized Trial of Urodynamic Testing before Stress-Incontinence Surgery. <i>New England Journal of Medicine</i> , 2012, 366, 1987-1997.	27.0	404
5	Recurrent Uncomplicated Urinary Tract Infections in Women: AUA/CUA/SUFU Guideline. <i>Journal of Urology</i> , 2019, 202, 282-289.	0.4	248
6	AUGMENTED STRETCH ACTIVATED ADENOSINE TRIPHOSPHATE RELEASE FROM BLADDER UROEPITHELIAL CELLS IN PATIENTS WITH INTERSTITIAL CYSTITIS. <i>Journal of Urology</i> , 2001, 166, 1951-1956.	0.4	226
7	Specificity of the American Urological Association Voiding Symptom Index: Comparison of Unselected and Selected Samples of Both Sexes. <i>Journal of Urology</i> , 1993, 150, 1710-1713.	0.4	178
8	Effect of Amitriptyline on Symptoms in Treatment Na ⁺ -ve Patients With Interstitial Cystitis/Painful Bladder Syndrome. <i>Journal of Urology</i> , 2010, 183, 1853-1858.	0.4	174
9	Adverse events over two years after retropubic or transobturator midurethral sling surgery: findings from the Trial of Midurethral Slings (TOMUS) study. <i>American Journal of Obstetrics and Gynecology</i> , 2011, 205, 498.e1-498.e6.	1.3	164
10	Augmented extracellular ATP signaling in bladder urothelial cells from patients with interstitial cystitis. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 290, C27-C34.	4.6	153
11	Up-Regulation of P2X ₃ Receptor During Stretch of Bladder Urothelial Cells From Patients With Interstitial Cystitis. <i>Journal of Urology</i> , 2004, 171, 448-452.	0.4	149
12	Urodynamic Measures Do Not Predict Stress Continence Outcomes After Surgery for Stress Urinary Incontinence in Selected Women. <i>Journal of Urology</i> , 2008, 179, 1470-1474.	0.4	117
13	THE INCIDENCE OF A POSITIVE ICE WATER TEST IN BLADDER OUTLET OBSTRUCTED PATIENTS: EVIDENCE FOR BLADDER NEURAL PLASTICITY. <i>Journal of Urology</i> , 1998, 160, 34-38.	0.4	110
14	Behavioral Therapy to Enable Women with Urge Incontinence to Discontinue Drug Treatment. <i>Annals of Internal Medicine</i> , 2008, 149, 161.	3.9	110
15	Percutaneous sacral third nerve root neurostimulation improves symptoms and normalizes urinary HB-EGF levels and antiproliferative activity in patients with interstitial cystitis. <i>Urology</i> , 2000, 55, 643-646.	1.0	102
16	High Costs of Urinary Incontinence Among Women Electing Surgery to Treat Stress Incontinence. <i>Obstetrics and Gynecology</i> , 2008, 111, 899-907.	2.4	89
17	Changes in human bladder epithelial cell gene expression associated with interstitial cystitis or antiproliferative factor treatment. <i>Physiological Genomics</i> , 2003, 14, 107-115.	2.3	83
18	BLADDER STRETCH ALTERS URINARY HEPARIN-BINDING EPIDERMAL GROWTH FACTOR AND ANTIPROLIFERATIVE FACTOR IN PATIENTS WITH INTERSTITIAL CYSTITIS. <i>Journal of Urology</i> , 2000, 163, 1440-1444.	0.4	79

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19	Dysfunction of bladder urothelium and bladder urothelial cells in interstitial cystitis. <i>Current Urology Reports</i> , 2006, 7, 440-446.	2.2	78
20	Evidence for Bladder Urothelial Pathophysiology in Functional Bladder Disorders. <i>BioMed Research International</i> , 2014, 2014, 1-15.	1.9	71
21	Risk factors for urinary tract infection following incontinence surgery. <i>International Urogynecology Journal</i> , 2011, 22, 1255-1265.	1.4	69
22	Decreased in vitro proliferation of bladder epithelial cells from patients with interstitial cystitis. <i>Urology</i> , 2003, 61, 1278-1284.	1.0	68
23	Treatment Success of Retropubic and Transobturator Mid Urethral Slings at 24 Months. <i>Journal of Urology</i> , 2012, 188, 2281-2287.	0.4	68
24	Predictors of Treatment Failure 24 Months After Surgery for Stress Urinary Incontinence. <i>Journal of Urology</i> , 2008, 179, 1024-1030.	0.4	67
25	PILOT STUDY OF SEQUENTIAL ORAL ANTIBIOTICS FOR THE TREATMENT OF INTERSTITIAL CYSTITIS. <i>Journal of Urology</i> , 2000, 163, 1685-1688.	0.4	63
26	Modified techniques of S3 foramen localization and lead implantation in S3 neuromodulation. <i>Urology</i> , 2001, 58, 786-790.	1.0	56
27	PERSISTENTLY INCREASED VOIDING FREQUENCY DESPITE RELIEF OF BLADDER OUTLET OBSTRUCTION. <i>Journal of Urology</i> , 1999, 161, 1689-1693.	0.4	54
28	Effect of botulinum toxin on detrusor overactivity induced by intravesical adenosine triphosphate and capsaicin in a rat model. <i>Urology</i> , 2005, 65, 622-626.	1.0	51
29	The Impact of Obesity on Urinary Incontinence Symptoms, Severity, Urodynamic Characteristics and Quality of Life. <i>Journal of Urology</i> , 2010, 183, 622-628.	0.4	50
30	NEUROPHYSIOLOGY OF MICTURITION AND CONTINENCE. <i>Urologic Clinics of North America</i> , 1996, 23, 221-236.	1.8	48
31	Design of the Value of Urodynamic Evaluation (ValUE) trial: A non-inferiority randomized trial of preoperative urodynamic investigations. <i>Contemporary Clinical Trials</i> , 2009, 30, 531-539.	1.8	48
32	Urodynamics, the supine empty bladder stress test, and incontinence severity. <i>Neurourology and Urodynamics</i> , 2010, 29, 1306-1311.	1.5	40
33	Effect of doxazosin on stretch-activated adenosine triphosphate release in bladder urothelial cells from patients with benign prostatic hyperplasia. <i>Urology</i> , 2002, 60, 351-356.	1.0	38
34	Minimum important difference for validated instruments in women with urge incontinence. <i>Neurourology and Urodynamics</i> , 2011, 30, 1319-1324.	1.5	37
35	Altered neural control of micturition in the aged F344 rat. <i>Urological Research</i> , 2000, 28, 348-354.	1.5	34
36	Increased transient receptor potential vanilloid type 1 (TRPV1) signaling in idiopathic overactive bladder urothelial cells. <i>Neurourology and Urodynamics</i> , 2011, 30, 606-611.	1.5	34

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37	Risk Factors for Incomplete Bladder Emptying After Midurethral Sling. <i>Urology</i> , 2013, 82, 1038-1043.	1.0	34
38	The cost of preoperative urodynamics: A secondary analysis of the VALUE trial. <i>Neurourology and Urodynamics</i> , 2016, 35, 81-84.	1.5	34
39	New theories in interstitial cystitis. <i>Nature Reviews Urology</i> , 2004, 1, 85-89.	1.4	33
40	Clinical and demographic factors associated with valsalva leak point pressure among women undergoing burch bladder neck suspension or autologous rectus fascial sling procedures. <i>Neurourology and Urodynamics</i> , 2007, 26, 392-396.	1.5	33
41	The Bladder is Not Sterile: an Update on the Urinary Microbiome. <i>Current Bladder Dysfunction Reports</i> , 2019, 14, 331-341.	0.5	32
42	Changes in Adenosine Triphosphate-stimulated ATP Release Suggest Association Between Cytokine and Purinergic Signaling in Bladder Urothelial Cells. <i>Urology</i> , 2009, 74, 1163-1168.	1.0	31
43	Complications in Women Undergoing Burch Colposuspension Versus Autologous Rectus Fascial Sling for Stress Urinary Incontinence. <i>Journal of Urology</i> , 2009, 181, 2192-2197.	0.4	29
44	Challenges in designing a pragmatic clinical trial: the mixed incontinence “medical or surgical approach (MIMOSA) trial experience. <i>Clinical Trials</i> , 2009, 6, 355-364.	1.6	28
45	EGF and HB-EGF modulate inward potassium current in human bladder urothelial cells from normal and interstitial cystitis patients. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C106-C114.	4.6	27
46	Urodynamic Changes Associated with Successful Stress Urinary Incontinence Surgery: Is a Little Tension a Good Thing?. <i>Urology</i> , 2011, 78, 1257-1262.	1.0	27
47	Polyomavirus (BK)-associated pleomorphic giant cell carcinoma of the urinary bladder: a case report. <i>Pathology Research and Practice</i> , 2013, 209, 255-259.	2.3	27
48	Premature contractions of the bladder are suppressed by interactions between TRPV4 and SK3 channels in murine detrusor PDGFR α cells. <i>Scientific Reports</i> , 2017, 7, 12245.	3.3	27
49	Pyroptosis engagement and bladder urothelial cell-derived exosomes recruit mast cells and induce barrier dysfunction of bladder urothelium after uropathogenic <i>E. coli</i> infection. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C544-C555.	4.6	26
50	Tyrosine Kinase ETK/BMX Is Up-Regulated in Bladder Cancer and Predicts Poor Prognosis in Patients with Cystectomy. <i>PLoS ONE</i> , 2011, 6, e17778.	2.5	25
51	Evaluating the safety and potential activity of UR0ae902 (hMaxiaEK) gene transfer by intravesical instillation or direct injection into the bladder wall in female participants with idiopathic (non-neurogenic) overactive bladder syndrome and detrusor overactivity from two double-blind, imbalanced, placebo-controlled randomized phase 1 trials. <i>Neurourology and Urodynamics</i> , 2020, 39, 744-753.	1.5	25
52	New therapeutic directions to treat underactive bladder. <i>Investigative and Clinical Urology</i> , 2017, 58, S99.	2.0	23
53	Comparison of APF activity and epithelial growth factor levels in urine from Chinese, African-American, and white American patients with interstitial cystitis. <i>Urology</i> , 2003, 61, 897-901.	1.0	22
54	Changes in Urodynamic Measures Two Years After Burch Colposuspension or Autologous Sling Surgery. <i>Urology</i> , 2011, 78, 1263-1268.	1.0	22

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55	Urinary incontinence management costs are reduced following Burch or sling surgery for stress incontinence. <i>American Journal of Obstetrics and Gynecology</i> , 2014, 211, 171.e1-171.e7.	1.3	21
56	Augmented bladder urothelial polyamine signaling and block of BK channel in the pathophysiology of overactive bladder syndrome. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C1445-C1451.	4.6	20
57	Patient Related Factors Associated with Long-Term Urinary Continence After Burch Colposuspension and Pubovaginal Fascial Sling Surgeries. <i>Journal of Urology</i> , 2012, 188, 485-489.	0.4	20
58	The effects of drug and behavior therapy on urgency and voiding frequency. <i>International Urogynecology Journal</i> , 2010, 21, 711-719.	1.4	19
59	Role of Purinergic Signaling in Voiding Dysfunction. <i>Current Bladder Dysfunction Reports</i> , 2010, 5, 219-224.	0.5	19
60	Effects of Concomitant Surgeries During Midurethral Slings (MUS) on Postoperative Complications, Voiding Dysfunction, Continence Outcomes, and Urodynamic Variables. <i>Urology</i> , 2012, 79, 1256-1261.	1.0	17
61	Mucosal signaling in the bladder. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2016, 200, 49-56.	2.8	17
62	Bladder urothelial cells from patients with interstitial cystitis have an increased sensitivity to carbachol. <i>Neurourology and Urodynamics</i> , 2009, 28, 1022-1027.	1.5	16
63	Inflammatory and Tissue Remodeling Urinary Biomarkers before and after Mid Urethral Sling Surgery for Stress Urinary Incontinence. <i>Journal of Urology</i> , 2014, 191, 703-709.	0.4	16
64	Early Termination of a Trial of Mycophenolate Mofetil for Treatment of Interstitial Cystitis/Painful Bladder Syndrome: Lessons Learned. <i>Journal of Urology</i> , 2011, 185, 901-906.	0.4	15
65	Association of Baseline urodynamic measures of urethral function with clinical, demographic, and other urodynamic variables in women prior to undergoing midurethral sling surgery. <i>Neurourology and Urodynamics</i> , 2012, 31, 496-501.	1.5	15
66	Race and ethnicity do not contribute to differences in preoperative urinary incontinence severity or symptom bother in women who undergo stress incontinence surgery. <i>American Journal of Obstetrics and Gynecology</i> , 2007, 197, 92.e1-92.e6.	1.3	13
67	Predictors of outcomes in the treatment of urge urinary incontinence in women. <i>International Urogynecology Journal</i> , 2009, 20, 489-497.	1.4	13
68	Alterations in Expression of HIF-1 α , HIF-2 α , and VEGF by Idiopathic Overactive Bladder Urothelial Cells During Stretch Suggest Role for Hypoxia. <i>Urology</i> , 2011, 77, 1266.e7-1266.e11.	1.0	13
69	Single-cell transcriptomes of mouse bladder urothelium uncover novel cell type markers and urothelial differentiation characteristics. <i>Cell Proliferation</i> , 2021, 54, e13007.	5.3	13
70	Sacral neuromodulation for the treatment of bladder dysfunction. <i>Current Urology Reports</i> , 2002, 3, 61-66.	2.2	12
71	Gas-forming infection from clostridium perfringens in a renal cyst of a patient with autosomal dominant polycystic kidney disease. <i>Urology</i> , 2004, 63, 1178-1179.	1.0	12
72	Preoperative hesitating urinary stream is associated with postoperative voiding dysfunction and surgical failure following Burch colposuspension or pubovaginal rectus fascial sling surgery. <i>International Urogynecology Journal</i> , 2011, 22, 713-719.	1.4	12

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73	Mouse urothelial genes associated with voiding behavior changes after ovariectomy and bladder lipopolysaccharide exposure. <i>Neurourology and Urodynamics</i> , 2018, 37, 2398-2405.	1.5	11
74	Bladder urothelial BK channel activity is a critical mediator for innate immune response in urinary tract infection pathogenesis. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, F617-F623.	2.7	11
75	Use of the flexible cystoscope as a vaginoscope to aid in the diagnosis of artificial sling erosion. <i>Urology</i> , 1999, 53, 617-618.	1.0	10
76	Elevated polyamines in urothelial cells from OAB subjects mediate oxotremorine-evoked rapid intracellular calcium rise and delayed acetylcholine release. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F445-F450.	2.7	10
77	Future Directions of Research and Care for Urinary Incontinence: Findings from the National Institute of Diabetes and Digestive and Kidney Diseases Summit on Urinary Incontinence Clinical Research in Women. <i>Journal of Urology</i> , 2017, 198, 22-29.	0.4	10
78	Diagnosis of the Painful Bladder Syndrome: Current Approaches to Diagnosis. <i>Clinical Obstetrics and Gynecology</i> , 2002, 45, 250-258.	1.1	9
79	Defects in Muscarinic Receptor Cell Signaling in Bladder Urothelial Cancer Cell Lines. <i>Urology</i> , 2009, 74, 467-473.	1.0	9
80	Summary of Research Recommendations From the Inaugural American Urogynecologic Society Research Summit. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , 2011, 17, 4-7.	1.1	9
81	Granulocyte-macrophage colony-stimulating factor (GM-CSF) is released by female mouse bladder urothelial cells and expressed by the urothelium as an early response to lipopolysaccharides (LPS). <i>Neurourology and Urodynamics</i> , 2017, 36, 1020-1025.	1.5	9
82	Lipopolysaccharide stimulates BK channel activity in bladder umbrella cells. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 314, C643-C653.	4.6	9
83	A non-enzymatic method for dissection of mouse bladder urothelial tissue. <i>Nature Protocols</i> , 2019, 14, 1280-1292.	12.0	9
84	AUGMENTED STRETCH ACTIVATED ADENOSINE TRIPHOSPHATE RELEASE FROM BLADDER UROEPITHELIAL CELLS IN PATIENTS WITH INTERSTITIAL CYSTITIS. <i>Journal of Urology</i> , 2001, , 1951-1956.	0.4	7
85	Interstitial cystitis: Modern tools for an accurate diagnosis. <i>Current Urology Reports</i> , 2003, 4, 381-384.	2.2	6
86	Surgical techniques of sacral implantation. <i>Urologic Clinics of North America</i> , 2005, 32, 27-35.	1.8	6
87	Early Increased Urinary IL-2 and IL-10 Levels Were Associated With Development of Chronic UTI in a Murine Model. <i>Urology</i> , 2020, 141, 188.e1-188.e6.	1.0	6
88	Preoperative Urodynamic Parameters (Valsalva Leak Point Pressure and Maximum Urethral Closure) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Outcome. <i>Journal of Urology</i> , 2016, 196, 819-823.	0.4	5
89	Ectopic Ureter Presenting as Anterior Wall Vaginal Prolapse. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , 2014, 20, 237-239.	1.1	4
90	PERSISTENTLY INCREASED VOIDING FREQUENCY DESPITE RELIEF OF BLADDER OUTLET OBSTRUCTION. <i>Journal of Urology</i> , 1999, , 1689-1693.	0.4	4

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91	Donor to native ureteroureterostomy in a patient with pre-existing ileal conduit during renal transplantation. <i>Urology</i> , 2003, 61, 643.	1.0	3
92	Radiologic Images of Retrograde Ureterography Before and After Release of Bilateral Sacrospinous Ligament Fixation Sutures. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , 2012, 18, 168-169.	1.1	3
93	A method to study bladder urothelial cellular function in situ. <i>Bladder</i> , 2014, 1, e3.	0.2	3
94	Difficult Urethral Catheterization due to Ectopic Ureter: an Unusual Presentation of Ureteral Ectopia in a Man. <i>Journal of Urology</i> , 1995, 153, 1899-1900.	0.4	2
95	NEW INSIGHTS INTO THE CLINICAL VALUE OF OXYBUTYNIN. <i>Journal of Urology</i> , 1998, 160, 644-644.	0.4	2
96	RE: EROSION OF WOVEN POLYESTER PUBOVAGINAL SLING. <i>Journal of Urology</i> , 2000, 164, 129-129.	0.4	2
97	RE: PERCUTANEOUS SACRAL NERVE ROOT NEUROMODULATION FOR INTRACTABLE INTERSTITIAL CYSTITIS. <i>Journal of Urology</i> , 2001, 166, 1009-1009.	0.4	2
98	Mesh Sling Removals: Why, When, How and Consequences. <i>Journal of Urology</i> , 2017, 198, 496-497.	0.4	2
99	INCREASED RESPONSIVENESS OF NON-NEUROGENIC OAB BLADDER UROTHELIAL CELLS TO CAPSAICIN AND HEAT STIMULI – ROLE FOR THE TRPV1 RECEPTOR IN OAB PATHOGENESIS. <i>Journal of Urology</i> , 2008, 179, 538-539.	0.4	1
100	NEW INSIGHT INTO NON-NEUROGENIC OAB PATHOGENESIS – THE ROLE OF BK CHANNEL IN BLADDER UROTHELIAL CELLS. <i>Journal of Urology</i> , 2008, 179, 538-538.	0.4	1
101	Peer Review. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , 2010, 16, 145-146.	1.1	1
102	Edward McGuire's influence in the field of stress urinary incontinence and bladder storage symptoms. <i>Neurourology and Urodynamics</i> , 2010, 29, S32-5.	1.5	1
103	Are Costs for Robotic Assisted Sacrocolpopexy Lower Than Those for Open Sacrocolpopexy?. <i>Journal of Urology</i> , 2012, 187, 644-645.	0.4	1
104	Editorial Comment. <i>Urology</i> , 2013, 82, 717.	1.0	1
105	Interstitial Cystitis/Painful Bladder Syndrome (IC/PBS): Is There Anything New under the Sun?. <i>Current Obstetrics and Gynecology Reports</i> , 2014, 3, 165-171.	0.8	1
106	The Future of Research in Female Pelvic Medicine. <i>Current Urology Reports</i> , 2015, 16, 2.	2.2	1
107	117: Increased Efficacy and Potency of Carbachol in Inducing Increases in Intracellular Calcium ([Ca ²⁺] _i) and Outward Potassium Currents (I _o) in Interstitial Cystitis (IC) Bladder Urothelial Cells (BUC) : Evidence of Persistent Phenotypical Alteration of Culture. <i>Journal of Urology</i> , 2007, 177, 40-40.	0.4	1
108	286: Link Between Cytokine Expression and Augmented Purinergic Signaling in Interstitial Cystitis (IC) Bladder Urothelial Cells (BUC). <i>Journal of Urology</i> , 2006, 175, 95-95.	0.4	1

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109	Coining a new term-Urovesicology: advancing towards a mechanistic understanding of bladder symptoms. <i>Translational Andrology and Urology</i> , 2012, 1, 50-7.	1.4	1
110	Re: A Simplified Method of Implanting a Neuromodulator Device. <i>Journal of Urology</i> , 2003, 170, 1328-1328.	0.4	0
111	Treatment of Men With Lower Urinary Tract Symptoms and Overactive Bladder. <i>JAMA - Journal of the American Medical Association</i> , 2007, 297, 1191.	7.4	0
112	Future pharmacotherapy in chronic bladder hypersensory conditions. <i>Expert Opinion on Emerging Drugs</i> , 2007, 12, 187-190.	2.4	0
113	A 73-year-old woman with chronic pelvic pain, burning toes, and an eighty-pound weight loss. <i>Arthritis and Rheumatism</i> , 2008, 59, 1825-1831.	6.7	0
114	History and Future of Multi-Institutional Clinical Trials in Urinary Incontinence. <i>Current Bladder Dysfunction Reports</i> , 2011, 6, 114-115.	0.5	0
115	Evaluation of Stress Predominant Urinary Incontinence. <i>Current Bladder Dysfunction Reports</i> , 2012, 7, 157-162.	0.5	0
116	Continence and micturition: physiological mechanisms under behavioral control. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, F33-F34.	2.7	0
117	Caloric Restriction and Aging Bladder Dysfunction. <i>Journal of Urology</i> , 2016, 196, 1339-1339.	0.4	0
118	Re: Incontinence Medication Response Relates to the Female Urinary Microbiota. <i>European Urology</i> , 2017, 72, 854.	1.9	0
119	Inside Front Cover Image, Volume 39, Number 2, February 2020. <i>Neurourology and Urodynamics</i> , 2020, 39, ii.	1.5	0
120	Urine and Tissue Bacterial Loads Correlate With Voiding Behaviors in a Murine Urinary Tract Infection Model. <i>Urology</i> , 2021, 154, 344.e1-344.e7.	1.0	0
121	Neurophysiological Control of Bladder Function. , 2007, , 19-33.		0