

# 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

75  
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128  
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128  
docs citations

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times ranked

3146  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Inside Front Cover Image, Volume 39, Number 2, February 2020. <i>Neurourology and Urodynamics</i> , 2020, 39, ii.	1.5	0
5	Evaluating the safety and potential activity of UR0ae902 (hMaxiaCK) 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
6	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
7	A non-enzymatic method for dissection of mouse bladder urothelial tissue. <i>Nature Protocols</i> , 2019, 14, 1280-1292.	12.0	9
8	The Bladder is Not Sterile: an Update on the Urinary Microbiome. <i>Current Bladder Dysfunction Reports</i> , 2019, 14, 331-341.	0.5	32
9	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
10	Recurrent Uncomplicated Urinary Tract Infections in Women: AUA/CUA/SUFU Guideline. <i>Journal of Urology</i> , 2019, 202, 282-289.	0.4	248
11	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
12	Lipopolysaccharide stimulates BK channel activity in bladder umbrella cells. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 314, C643-C653.	4.6	9
13	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
14	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
15	Premature contractions of the bladder are suppressed by interactions between TRPV4 and SK3 channels in murine detrusor PDGFR $\beta$ + cells. <i>Scientific Reports</i> , 2017, 7, 12245.	3.3	27
16	Re: Incontinence Medication Response Relates to the Female Urinary Microbiota. <i>European Urology</i> , 2017, 72, 854.	1.9	0
17	Mesh Sling Removals: Why, When, How and Consequences. <i>Journal of Urology</i> , 2017, 198, 496-497.	0.4	2
18	New therapeutic directions to treat underactive bladder. <i>Investigative and Clinical Urology</i> , 2017, 58, S99.	2.0	23

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19	The cost of preoperative urodynamics: A secondary analysis of the ValUE trial. <i>Neurourology and Urodynamics</i> , 2016, 35, 81-84.	1.5	34
20	Caloric Restriction and Aging Bladder Dysfunction. <i>Journal of Urology</i> , 2016, 196, 1339-1339.	0.4	0
21	Preoperative Urodynamic Parameters (Valsalva Leak Point Pressure and Maximum Urethral Closure) Tj ETQq1 1 0.784314 rgBT /Overl Outcome. <i>Journal of Urology</i> , 2016, 196, 819-823.	0.4	5
22	Mucosal signaling in the bladder. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2016, 200, 49-56.	2.8	17
23	Continence and micturition: physiological mechanisms under behavioral control. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, F33-F34.	2.7	0
24	The Future of Research in Female Pelvic Medicine. <i>Current Urology Reports</i> , 2015, 16, 2.	2.2	1
25	Evidence for Bladder Urothelial Pathophysiology in Functional Bladder Disorders. <i>BioMed Research International</i> , 2014, 2014, 1-15.	1.9	71
26	Ectopic Ureter Presenting as Anterior Wall Vaginal Prolapse. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , 2014, 20, 237-239.	1.1	4
27	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
28	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
29	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
30	A method to study bladder urothelial cellular function in situ. <i>Bladder</i> , 2014, 1, e3.	0.2	3
31	Risk Factors for Incomplete Bladder Emptying After Midurethral Sling. <i>Urology</i> , 2013, 82, 1038-1043.	1.0	34
32	Editorial Comment. <i>Urology</i> , 2013, 82, 717.	1.0	1
33	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
34	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
35	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
36	Are Costs for Robotic Assisted Sacrocolpopexy Lower Than Those for Open Sacrocolpopexy?. <i>Journal of Urology</i> , 2012, 187, 644-645.	0.4	1

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37	Treatment Success of Retropubic and Transobturator Mid Urethral Slings at 24 Months. <i>Journal of Urology</i> , 2012, 188, 2281-2287.	0.4	68
38	A Randomized Trial of Urodynamic Testing before Stress-Incontinence Surgery. <i>New England Journal of Medicine</i> , 2012, 366, 1987-1997.	27.0	404
39	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
40	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
41	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
42	Evaluation of Stress Predominant Urinary Incontinence. <i>Current Bladder Dysfunction Reports</i> , 2012, 7, 157-162.	0.5	0
43	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
44	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
45	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
46	Alterations in Expression of HIF-1 $\alpha$ , HIF-2 $\alpha$ , 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
47	Changes in Urodynamic Measures Two Years After Burch Colposuspension or Autologous Sling Surgery. <i>Urology</i> , 2011, 78, 1263-1268.	1.0	22
48	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
49	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
50	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
51	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
52	Risk factors for urinary tract infection following incontinence surgery. <i>International Urogynecology Journal</i> , 2011, 22, 1255-1265.	1.4	69
53	History and Future of Multi-Institutional Clinical Trials in Urinary Incontinence. <i>Current Bladder Dysfunction Reports</i> , 2011, 6, 114-115.	0.5	0
54	Minimum important difference for validated instruments in women with urge incontinence. <i>Neurourology and Urodynamics</i> , 2011, 30, 1319-1324.	1.5	37

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55	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
56	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
57	Peer Review. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , 2010, 16, 145-146.	1.1	1
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	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
61	Urodynamics, the supine empty bladder stress test, and incontinence severity. <i>Neurourology and Urodynamics</i> , 2010, 29, 1306-1311.	1.5	40
62	Retropubic versus Transobturator Midurethral Slings for Stress Incontinence. <i>New England Journal of Medicine</i> , 2010, 362, 2066-2076.	27.0	605
63	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
64	Effect of Amitriptyline on Symptoms in Treatment Na <sup>+</sup> ve Patients With Interstitial Cystitis/Painful Bladder Syndrome. <i>Journal of Urology</i> , 2010, 183, 1853-1858.	0.4	174
65	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
66	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
67	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
68	Predictors of outcomes in the treatment of urge urinary incontinence in women. <i>International Urogynecology Journal</i> , 2009, 20, 489-497.	1.4	13
69	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
70	Defects in Muscarinic Receptor Cell Signaling in Bladder Urothelial Cancer Cell Lines. <i>Urology</i> , 2009, 74, 467-473.	1.0	9
71	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
72	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

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73	A 73-year-old woman with chronic pelvic pain, burning toes, and an eighty-pound weight loss. Arthritis and Rheumatism, 2008, 59, 1825-1831.	6.7	0
74	Urodynamic Measures Do Not Predict Stress Continence Outcomes After Surgery for Stress Urinary Incontinence in Selected Women. Journal of Urology, 2008, 179, 1470-1474.	0.4	117
75	INCREASED RESPONSIVENESS OF NON-NEUROGENIC OAB BLADDER UROTHELIAL CELLS TO CAPSAICIN AND HEAT STIMULI – ROLE FOR THE TRV1 RECEPTOR IN OAB PATHOGENESIS. Journal of Urology, 2008, 179, 538-539.	0.4	1
76	Predictors of Treatment Failure 24 Months After Surgery for Stress Urinary Incontinence. Journal of Urology, 2008, 179, 1024-1030.	0.4	67
77	NEW INSIGHT INTO NON-NEUROGENIC OAB PATHOGENESIS – THE ROLE OF BK CHANNEL IN BLADDER UROTHELIAL CELLS. Journal of Urology, 2008, 179, 538-538.	0.4	1
78	High Costs of Urinary Incontinence Among Women Electing Surgery to Treat Stress Incontinence. Obstetrics and Gynecology, 2008, 111, 899-907.	2.4	89
79	Behavioral Therapy to Enable Women with Urge Incontinence to Discontinue Drug Treatment. Annals of Internal Medicine, 2008, 149, 161.	3.9	110
80	EGF and HB-EGF modulate inward potassium current in human bladder urothelial cells from normal and interstitial cystitis patients. American Journal of Physiology - Cell Physiology, 2007, 292, C106-C114.	4.6	27
81	Treatment of Men With Lower Urinary Tract Symptoms and Overactive Bladder. JAMA - Journal of the American Medical Association, 2007, 297, 1191.	7.4	0
82	Burch Colposuspension versus Fascial Sling to Reduce Urinary Stress Incontinence. New England Journal of Medicine, 2007, 356, 2143-2155.	27.0	456
83	Future pharmacotherapy in chronic bladder hypersensory conditions. Expert Opinion on Emerging Drugs, 2007, 12, 187-190.	2.4	0
84	Clinical and demographic factors associated with valsalva leak point pressure among women undergoing burch bladder neck suspension or autologous rectus fascial sling procedures. Neurourology and Urodynamics, 2007, 26, 392-396.	1.5	33
85	Race and ethnicity do not contribute to differences in preoperative urinary incontinence severity or symptom bother in women who undergo stress incontinence surgery. American Journal of Obstetrics and Gynecology, 2007, 197, 92.e1-92.e6.	1.3	13
86	117: Increased Efficacy and Potency of Carbachol in Inducing Increases in Intracellular Calcium ([Ca <sup>2+</sup> ] <sub>i</sub> ) and Outward Potassium Currents (I <sub>o</sub> ) in Interstitial Cystitis (IC) Bladder Urothelial Cells (BUC) : Evidence of Persistent Phenotypical Alteration of Culture. Journal of Urology, 2007, 177, 40-40.	0.4	1
87	Neurophysiological Control of Bladder Function. , 2007, , 19-33.		0
88	Dysfunction of bladder urothelium and bladder urothelial cells in interstitial cystitis. Current Urology Reports, 2006, 7, 440-446.	2.2	78
89	Augmented extracellular ATP signaling in bladder urothelial cells from patients with interstitial cystitis. American Journal of Physiology - Cell Physiology, 2006, 290, C27-C34.	4.6	153
90	286: Link Between Cytokine Expression and Augmented Purinergic Signaling in Interstitial Cystitis (IC) Bladder Urothelial Cells (BUC). Journal of Urology, 2006, 175, 95-95.	0.4	1

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91	Surgical techniques of sacral implantation. Urologic Clinics of North America, 2005, 32, 27-35.	1.8	6
92	Effect of botulinum toxin on detrusor overactivity induced by intravesical adenosine triphosphate and capsaicin in a rat model. Urology, 2005, 65, 622-626.	1.0	51
93	Up-Regulation of P2X 3 Receptor During Stretch of Bladder Urothelial Cells From Patients With Interstitial Cystitis. Journal of Urology, 2004, 171, 448-452.	0.4	149
94	Gas-forming infection from clostridium perfringens in a renal cyst of a patient with autosomal dominant polycystic kidney disease. Urology, 2004, 63, 1178-1179.	1.0	12
95	New theories in interstitial cystitis. Nature Reviews Urology, 2004, 1, 85-89.	1.4	33
96	Interstitial cystitis: Modern tools for an accurate diagnosis. Current Urology Reports, 2003, 4, 381-384.	2.2	6
97	Donor to native ureteroureterostomy in a patient with pre-existing ileal conduit during renal transplantation. Urology, 2003, 61, 643.	1.0	3
98	Comparison of APF activity and epithelial growth factor levels in urine from Chinese, African-American, and white American patients with interstitial cystitis. Urology, 2003, 61, 897-901.	1.0	22
99	Decreased in vitro proliferation of bladder epithelial cells from patients with interstitial cystitis. Urology, 2003, 61, 1278-1284.	1.0	68
100	Re: A Simplified Method of Implanting a Neuromodulator Device. Journal of Urology, 2003, 170, 1328-1328.	0.4	0
101	Changes in human bladder epithelial cell gene expression associated with interstitial cystitis or antiproliferative factor treatment. Physiological Genomics, 2003, 14, 107-115.	2.3	83
102	Diagnosis of the Painful Bladder Syndrome: Current Approaches to Diagnosis. Clinical Obstetrics and Gynecology, 2002, 45, 250-258.	1.1	9
103	Effect of doxazosin on stretch-activated adenosine triphosphate release in bladder urothelial cells from patients with benign prostatic hyperplasia. Urology, 2002, 60, 351-356.	1.0	38
104	Sacral neuromodulation for the treatment of bladder dysfunction. Current Urology Reports, 2002, 3, 61-66.	2.2	12
105	Modified techniques of S3 foramen localization and lead implantation in S3 neuromodulation. Urology, 2001, 58, 786-790.	1.0	56
106	AUGMENTED STRETCH ACTIVATED ADENOSINE TRIPHOSPHATE RELEASE FROM BLADDER UROEPITHELIAL CELLS IN PATIENTS WITH INTERSTITIAL CYSTITIS. Journal of Urology, 2001, 166, 1951-1956.	0.4	226
107	RE: PERCUTANEOUS SACRAL NERVE ROOT NEUROMODULATION FOR INTRACTABLE INTERSTITIAL CYSTITIS. Journal of Urology, 2001, 166, 1009-1009.	0.4	2
108	AUGMENTED STRETCH ACTIVATED ADENOSINE TRIPHOSPHATE RELEASE FROM BLADDER UROEPITHELIAL CELLS IN PATIENTS WITH INTERSTITIAL CYSTITIS. Journal of Urology, 2001, , 1951-1956.	0.4	7

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109	Altered neural control of micturition in the aged F344 rat. <i>Urological Research</i> , 2000, 28, 348-354.	1.5	34
110	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
111	RE: EROSION OF WOVEN POLYESTER PUBOVAGINAL SLING. <i>Journal of Urology</i> , 2000, 164, 129-129.	0.4	2
112	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
113	PILOT STUDY OF SEQUENTIAL ORAL ANTIBIOTICS FOR THE TREATMENT OF INTERSTITIAL CYSTITIS. <i>Journal of Urology</i> , 2000, 163, 1685-1688.	0.4	63
114	PERSISTENTLY INCREASED VOIDING FREQUENCY DESPITE RELIEF OF BLADDER OUTLET OBSTRUCTION. <i>Journal of Urology</i> , 1999, 161, 1689-1693.	0.4	54
115	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
116	PERSISTENTLY INCREASED VOIDING FREQUENCY DESPITE RELIEF OF BLADDER OUTLET OBSTRUCTION. <i>Journal of Urology</i> , 1999, , 1689-1693.	0.4	4
117	NEW INSIGHTS INTO THE CLINICAL VALUE OF OXYBUTYNIN. <i>Journal of Urology</i> , 1998, 160, 644-644.	0.4	2
118	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
119	NEUROPHYSIOLOGY OF MICTURITION AND CONTINENCE. <i>Urologic Clinics of North America</i> , 1996, 23, 221-236.	1.8	48
120	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
121	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