

# Bengt Uvelius

## List of Publications by Year in descending order

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97  
papers

2,513  
citations

218381

26  
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223531

46  
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98  
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98  
docs citations

98  
times ranked

1237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in Contractile Properties in Hypertrophic Rat Urinary Bladder. <i>Journal of Urology</i> , 1982, 128, 1340-1342.	0.2	188
2	Smooth Muscle Cell Hypertrophy and Hyperplasia in the Rat Detrusor after Short-Time Infravesical Outflow Obstruction. <i>Journal of Urology</i> , 1984, 131, 173-176.	0.2	187
3	Urinary bladder of rat: fine structure of normal and hypertrophic musculature. <i>Cell and Tissue Research</i> , 1990, 262, 67-79.	1.5	170
4	Isometric and Isotonic Length-Tension Relations and Variations in Cell Length in Longitudinal Smooth Muscle from Rabbit Urinary Bladder. <i>Acta Physiologica Scandinavica</i> , 1976, 97, 1-12.	2.3	127
5	Collagen Content in the Rat Urinary Bladder Subjected to Infra Vesical Outflow Obstruction. <i>Journal of Urology</i> , 1984, 132, 587-590.	0.2	120
6	Nitric oxide synthase-containing neurons in rat parasympathetic, sympathetic and sensory ganglia: a comparative study. <i>The Histochemical Journal</i> , 1995, 27, 819-831.	0.6	104
7	Changes in the nervous control of the rat urinary bladder induced by outflow obstruction. <i>Neurourology and Urodynamics</i> , 1987, 6, 37-45.	0.8	62
8	Relation between cell length and force production in urinary bladder smooth muscle. <i>Acta Physiologica Scandinavica</i> , 1980, 110, 357-365.	2.3	56
9	Relative Contribution of Superficially Bound and Extracellular Calcium to Activation of Contraction in Isolated Rat Portal Vein. <i>Acta Physiologica Scandinavica</i> , 1975, 95, 263-269.	2.3	52
10	Detrusor Smooth Muscle in Rats with Alloxan-Induced Diabetes. <i>Journal of Urology</i> , 1986, 136, 949-952.	0.2	52
11	Contraction kinetics and myosin isoform composition in smooth muscle from hypertrophied rat urinary bladder. , 1996, 63, 86-93.		52
12	Nerve-Mediated Functions In the Circular and Longitudinal Muscle Layers of the Proximal Female Rabbit Urethra. <i>Journal of Urology</i> , 1990, 143, 155-160.	0.2	48
13	Nitric oxide synthase-containing neurons in rat parasympathetic, sympathetic and sensory ganglia: a comparative study. <i>The Histochemical Journal</i> , 1995, 27, 819-831.	0.6	41
14	Mir-29 Repression in Bladder Outlet Obstruction Contributes to Matrix Remodeling and Altered Stiffness. <i>PLoS ONE</i> , 2013, 8, e82308.	1.1	40
15	Bladder Overactivity in Mice After 1 Week of Outlet Obstruction. Mainly Afferent Dysfunction?. <i>Journal of Urology</i> , 2003, 170, 1017-1021.	0.2	39
16	Length-Tension relations of smooth muscle from normal and denervated rat urinary bladders. <i>Acta Physiologica Scandinavica</i> , 1981, 112, 443-447.	2.3	38
17	Cytoskeletal and Contractile Proteins in Detrusor Smooth Muscle from Bladders with Outlet Obstruction—a Comparative Study in RAT and MAN. <i>Scandinavian Journal of Urology and Nephrology</i> , 1991, 25, 261-267.	1.4	38
18	Reversal of muscle hypertrophy in the rat urinary bladder after removal of urethral obstruction. <i>Cell and Tissue Research</i> , 1994, 277, 333-339.	1.5	38

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19	Structural and mechanical alterations in hypertrophic venous smooth muscle. <i>Acta Physiologica Scandinavica</i> , 1981, 112, 463-471.	2.3	36
20	Partial outlet obstruction induces chronic distension and increased stiffness of rat urinary bladder. <i>Journal of Urology</i> , 1996, 15, 650-665.		36
21	Supersensitivity to Carbachol in the Parasympathetically Decentralized Feline Urinary Bladder. <i>Journal of Urology</i> , 1984, 131, 562-565.	0.2	35
22	Facilitatory Effect of Vasoactive Intestinal Polypeptide on Spinal and Peripheral Micturition Reflex Pathways in Conscious Rats with and without Detrusor Instability. <i>Journal of Urology</i> , 1993, 149, 884-889.	0.2	35
23	Shortening velocity, active force and homogeneity of contraction during electrically evoked twitches in smooth muscle from rabbit urinary bladder. <i>Acta Physiologica Scandinavica</i> , 1979, 106, 481-486.	2.3	32
24	The distribution of intramural nerves in urinary bladder after partial denervation in the female rat. <i>Urological Research</i> , 1998, 26, 291-297.	1.5	30
25	Structural and mechanical adaptations in rat aorta in response to sustained changes in arterial pressure. <i>Acta Physiologica Scandinavica</i> , 1984, 122, 119-126.	2.3	29
26	Deletion of Dicer in Smooth Muscle Affects Voiding Pattern and Reduces Detrusor Contractility and Neuroeffector Transmission. <i>PLoS ONE</i> , 2012, 7, e35882.	1.1	28
27	Lactate Dehydrogenase Activity and Isoform Distribution in the Rat Urinary Bladder: Effects of Outlet Obstruction and its Removal. <i>Journal of Urology</i> , 1993, 150, 543-545.	0.2	27
28	Biomechanical properties and innervation of the female caveolin-1-deficient detrusor. <i>British Journal of Pharmacology</i> , 2011, 162, 1156-1170.	2.7	27
29	Effects of phasic and tonic activation on contraction dynamics in smooth muscle. <i>Acta Physiologica Scandinavica</i> , 1980, 109, 399-406.	2.3	25
30	Urinary Bladder Function in Rats with Hereditary Diabetes Insipidus; A Cystometrical and in Vitro Evaluation. <i>Journal of Urology</i> , 1992, 148, 930-934.	0.2	25
31	Intramural neurones appear in the urinary bladder wall following excision of the pelvic ganglion in the rat. <i>NeuroReport</i> , 1995, 6, 2213-2216.	0.6	25
32	Nitroergic and cholinergic innervation of the rat lower urinary tract after pelvic ganglionectomy. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998, 274, R389-R397.	0.9	25
33	Pharmacological techniques for the in vitro study of the urinary bladder. <i>Journal of Pharmacological and Toxicological Methods</i> , 2001, 45, 91-108.	0.3	24
34	Lactate dehydrogenase activity and isoform distribution in normal and hypertrophic smooth muscle tissue from the rat. <i>Pflügers Archiv European Journal of Physiology</i> , 1991, 419, 230-234.	1.3	23
35	Impaired contractility and detrusor hypertrophy in cavin-1-deficient mice. <i>European Journal of Pharmacology</i> , 2012, 689, 179-185.	1.7	23
36	Organ-sparing reconstructive surgery in penile cancer: initial experiences at two Swedish referral centres. <i>Scandinavian Journal of Urology</i> , 2015, 49, 149-154.	0.6	23

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37	Detrusor Collagen Content in the Denervated rat Urinary Bladder. <i>Journal of Urology</i> , 1986, 136, 1110-1112.	0.2	20
38	HIF-mediated metabolic switching in bladder outlet obstruction mitigates the relaxing effect of mitochondrial inhibition. <i>Laboratory Investigation</i> , 2014, 94, 557-568.	1.7	20
39	Detrusor Induction of miR-132/212 following Bladder Outlet Obstruction: Association with MeCP2 Repression and Cell Viability. <i>PLoS ONE</i> , 2015, 10, e0116784.	1.1	20
40	Influence of Muscle Length on the Force-velocity Relation of K <sup>+</sup> -contractures in Smooth Muscle from Rabbit Urinary Bladder. <i>Acta Physiologica Scandinavica</i> , 1977, 101, 270-277.	2.3	19
41	Strontium and Barium as Substitutes for Calcium on Electrical and Mechanical Activity in Rat Portal Vein. <i>Journal of Vascular Research</i> , 1974, 11, 245-259.	0.6	18
42	The Effects of Variations in Extracellular Magnesium Concentration on Electrical and Mechanical Activity in Rat Portal Vein. <i>Acta Physiologica Scandinavica</i> , 1977, 99, 368-376.	2.3	18
43	Cystometrical evaluation of acute and chronic overdistension in the rat urinary bladder. <i>Urological Research</i> , 1998, 26, 325-330.	1.5	18
44	Length-tension relations of in vitro urinary bladder smooth muscle strips. <i>Journal of Pharmacological and Toxicological Methods</i> , 2001, 45, 87-90.	0.3	18
45	Nexilin/NEXN controls actin polymerization in smooth muscle and is regulated by myocardin family coactivators and YAP. <i>Scientific Reports</i> , 2018, 8, 13025.	1.6	18
46	Responses of Smooth Muscle to Quick Load Change Studied at High Time Resolution. <i>Journal of Vascular Research</i> , 1978, 15, 65-82.	0.6	15
47	Effects of Ca <sup>2+</sup> on force-velocity characteristics of normal and hypertrophic smooth muscle of the rat portal vein. <i>Acta Physiologica Scandinavica</i> , 1985, 124, 525-533.	2.3	15
48	Effects of purinoceptor agonists on smooth muscle from hypertrophied rat urinary bladder. <i>European Journal of Pharmacology</i> , 1995, 276, 137-144.	1.7	14
49	Regional Differences In Bladder Enlargement And In Vitro Contractility After Outlet Obstruction In The Rabbit. <i>Journal of Urology</i> , 2002, 168, 1240-1246.	0.2	14
50	Identification of the intermediate filament protein synemin/SYNM as a target of myocardin family coactivators. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C1128-C1142.	2.1	14
51	Human urinary bladder smooth muscle is dependent on membrane cholesterol for cholinergic activation. <i>European Journal of Pharmacology</i> , 2010, 634, 142-148.	1.7	13
52	Biochemical and functional correlates of an increased membrane density of caveolae in hypertrophic rat urinary bladder. <i>European Journal of Pharmacology</i> , 2010, 649, 362-368.	1.7	13
53	MicroRNAs in Bladder Outlet Obstruction: Relationship to Growth and Matrix Remodelling. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2016, 119, 5-17.	1.2	13
54	Assessing the contribution of thrombospondin-4 induction and ATF6 $\beta$ activation to endoplasmic reticulum expansion and phenotypic modulation in bladder outlet obstruction. <i>Scientific Reports</i> , 2016, 6, 32449.	1.6	12

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55	Content and contractile effect of arginine vasopressin in rat urinary bladder. <i>European Journal of Pharmacology</i> , 1990, 182, 549-554.	1.7	11
56	Effects of Unilateral Pelvic Ganglionectomy on Urinary Bladder Function in the Male Rat. <i>Scandinavian Journal of Urology and Nephrology</i> , 1993, 27, 181-188.	1.4	11
57	Nerve induced responses and force-velocity relations of regenerated detrusor muscle after subtotal cystectomy in the rat. <i>Neurourology and Urodynamics</i> , 2004, 23, 159-165.	0.8	11
58	Stimulatory effects of Ba <sup>2+</sup> on contractile activity in the smooth muscle of the rat portal vein. <i>Acta Physiologica Scandinavica</i> , 1981, 113, 201-205.	2.3	10
59	Partial obstruction of the rat urinary bladder: Effects on mitochondria and mitochondrial glucose metabolism in detrusor smooth muscle cells. <i>Neurourology and Urodynamics</i> , 1997, 16, 601-607.	0.8	10
60	Shortening velocity is different in longitudinal and circular muscle layers of the rabbit urethra. <i>Urological Research</i> , 1998, 26, 423-426.	1.5	10
61	UP-REGULATION OF BRADYKININ RESPONSE IN RAT AND HUMAN BLADDER SMOOTH MUSCLE. <i>Journal of Urology</i> , 2000, 164, 1757-1763.	0.2	10
62	BIOCOMPATIBILITY OF NITINOL AND STAINLESS STEEL IN THE BLADDER: AN EXPERIMENTAL STUDY. <i>Journal of Urology</i> , 2005, 173, 647-650.	0.2	10
63	Intracellular calcium in hypertrophic smooth muscle from rat urinary bladder. <i>Scandinavian Journal of Urology and Nephrology</i> , 2007, 41, 270-277.	1.4	10
64	Changes in length and volume of smooth muscle cells of the hypertrophied rat urinary bladder. <i>Acta Physiologica Scandinavica</i> , 1983, 118, 305-308.	2.3	9
65	Effects of Ovariectomy on Mechanical Properties and Collagen Content in Rabbit Lower Urinary Tract Smooth Muscle. <i>Scandinavian Journal of Urology and Nephrology</i> , 1996, 30, 7-14.	1.4	9
66	Robot-assisted laparoscopic retroperitoneal lymph node dissection in clinical stage II testicular cancer. <i>Journal of Robotic Surgery</i> , 2008, 2, 189-191.	1.0	9
67	Non-uniform changes in membrane receptors in the rat urinary bladder following outlet obstruction. <i>European Journal of Pharmacology</i> , 2015, 762, 82-88.	1.7	9
68	Oxygen dependence and energy turnover in normal and hypertrophic rat portal vein. <i>Acta Physiologica Scandinavica</i> , 1981, 113, 341-348.	2.3	8
69	Effects of Variations in Extracellular Osmolality on Spontaneous Contractile Activity and Response to Nerve Stimulation in Rat Detrusor Muscle in vitro. <i>Urologia Internationalis</i> , 1985, 40, 196-200.	0.6	8
70	Neurite outgrowth in cultured mouse pelvic ganglia - Effects of neurotrophins and bladder tissue. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2017, 205, 41-49.	1.4	8
71	Cavin-3 (PRKCDBP) deficiency reduces the density of caveolae in smooth muscle. <i>Cell and Tissue Research</i> , 2017, 368, 591-602.	1.5	8
72	Antagonistic relationship between the unfolded protein response and myocardium-driven transcription in smooth muscle. <i>Journal of Cellular Physiology</i> , 2020, 235, 7370-7382.	2.0	8

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73	Similar regulatory mechanisms of caveolins and cavins by myocardin family coactivators in arterial and bladder smooth muscle. PLoS ONE, 2017, 12, e0176759.	1.1	8
74	Regeneration of detrusor muscle after subtotal cystectomy in the rat: Effects on contractile proteins and bladder mechanics. Neurourology and Urodynamics, 2001, 20, 685-697.	0.8	7
75	Nerve distribution in rat urinary bladder after incorporation of acellular matrix graft or subtotal cystectomy. Scandinavian Journal of Urology and Nephrology, 2008, 42, 205-212.	1.4	7
76	Association of muscarinic M3 receptors and Kir6.1 with caveolae in human detrusor muscle. European Journal of Pharmacology, 2012, 683, 238-245.	1.7	7
77	Array profiling reveals contribution of Cthrc1 to growth of the denervated rat urinary bladder. American Journal of Physiology - Renal Physiology, 2018, 314, F893-F905.	1.3	7
78	Metabolism of Detrusor Smooth Muscle in Normal and Obstructed Urinary Bladder. Advances in Experimental Medicine and Biology, 1995, 385, 29-39.	0.8	7
79	Acute Effects of Unilateral Pelvic Ganglionectomy on Urinary Bladder Function in Vivo in the Male Rat. Scandinavian Journal of Urology and Nephrology, 1996, 30, 179-184.	1.4	6
80	The effects of Ca <sup>2+</sup> and Sr <sup>2+</sup> at different modes of activation in the smooth muscle of the rat portal vein. Acta Physiologica Scandinavica, 1983, 117, 541-545.	2.3	5
81	Acute Contractile Effects of Epidermal Growth Factor on Bladder Smooth Muscles: An <i>In Vivo</i> and <i>In Vitro</i> Study in Rats. Scandinavian Journal of Urology and Nephrology, 1997, 31, 231-235.	1.4	5
82	Vasopressin-induced mouse urethral contraction is modulated by caveolin-1. European Journal of Pharmacology, 2015, 750, 59-65.	1.7	5
83	The winner takes it all: Willem Einthoven, Thomas Lewis, and the Nobel prize 1924 for the discovery of the electrocardiogram. Journal of Electrocardiology, 2019, 57, 122-127.	0.4	5
84	Priapism in a Patient with Endometrioid Prostatic Carcinoma. Urologia Internationalis, 1988, 43, 245-247.	0.6	4
85	Scientific language trends among Swedish urologists and surgeons 1900â€“1955. World Journal of Urology, 2019, 37, 975-982.	1.2	4
86	Contractile properties of ureters from rats with infravesical urinary outlet obstruction. Urological Research, 1998, 26, 337-342.	1.5	3
87	Partial urethral obstruction: ATF3 and p-c-Jun are involved in the growth of the detrusor muscle and its motor innervation. Scandinavian Journal of Urology and Nephrology, 2011, 45, 30-38.	1.4	3
88	Regional Differences In Bladder Enlargement And In Vitro Contractility After Outlet Obstruction In The Rabbit. Journal of Urology, 2002, , 1240-1246.	0.2	3
89	Glia Cell Activation in Pelvic Ganglia After Preganglionic But Not Postganglionic Lesions. UroToday International Journal, 2010, 03, .	0.1	2
90	Renal polyamine metabolism in rats with renovascular hypertension. Acta Physiologica Scandinavica, 1985, 124, 11-15.	2.3	1

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91	Cystometric and in vitro muscle studies of cystoplastic appendiceal segments in the rat. <i>Neurourology and Urodynamics</i> , 2006, 25, 259-267.	0.8	1
92	Open partial nephrectomy for renal cell cancer in a medium patient volume centre: Is high quality possible?. <i>Scandinavian Journal of Urology and Nephrology</i> , 2010, 44, 204-211.	1.4	1
93	Effects of Strontium and Some Other Divalent Cations on Electrical and Mechanical Activity in Rat's Portal Vein. , 1981, , 321-337.		1
94	Relation between Extracellular Potassium Ion Concentration and Contracture Force after Abolition of Spike Discharge in Isolated Rat Portal Vein. <i>Journal of Vascular Research</i> , 1974, 11, 120-127.	0.6	0
95	Ornithine Decarboxylase Activity and Polyamine Content in Normal Renal Tissue and in Renal Carcinoma. <i>Urologia Internationalis</i> , 1987, 42, 105-107.	0.6	0
96	Association of M3 muscarinic receptors and Kir6.1 with human detrusor caveolae. <i>FASEB Journal</i> , 2011, 25, 1b511.	0.2	0
97	Early history of skin preservation and transplantation; the role of Carl August Ljunggren. <i>Journal of Medical Biography</i> , 2024, 32, 82-89.	0.1	0