Bengt Uvelius

List of Publications by Year
in descending order

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97 papers	2,513 citations	218677 26 h-index	223800 46 g-index
98 all docs	98 docs citations	98 times ranked	1237 citing authors

#	Article	IF	Citations
1	Changes in Contractile Properties in Hypertrophic Rat Urinary Bladder. Journal of Urology, 1982, 128, 1340-1342.	0.4	188
2	Smooth Muscle Cell Hypertrophy and Hyperplasia in the Rat Detrusor after Short-Time Infravesical Outflow Obstruction. Journal of Urology, 1984, 131, 173-176.	0.4	187
3	Urinary bladder of rat: fine structure of normal and hypertrophic musculature. Cell and Tissue Research, 1990, 262, 67-79.	2.9	170
4	Isometric and Isotonic Lengthâ€Tension Relations and Variations in Cell Length in Longitudinal Smooth Muscle from Rabbit Urinary Bladder. Acta Physiologica Scandinavica, 1976, 97, 1-12.	2.2	127
5	Collagen Content in the Rat Urinary Bladder Subjected to Infra Vesical Outflow Obstruction. Journal of Urology, 1984, 132, 587-590.	0.4	120
6	Nitric oxide synthase-containing neurons in rat parasympathetic, sympathetic and sensory ganglia: a comparative study. The Histochemical Journal, 1995, 27, 819-831.	0.6	104
7	Changes in the nervous control of the rat urinary bladder induced by outflow obstruction. Neurourology and Urodynamics, 1987, 6, 37-45.	1.5	62
8	Relation between cell length and force production in urinary bladder smooth muscle. Acta Physiologica Scandinavica, 1980, 110, 357-365.	2.2	56
9	Relative Contribution of Superficially Bound and Extracellular Calcium to Activation of Contraction in Isolated Rat Portal Vein. Acta Physiologica Scandinavica, 1975, 95, 263-269.	2.2	52
10	Detrusor Smooth Muscle in Rats with Alloxan-Induced Diabetes. Journal of Urology, 1986, 136, 949-952.	0.4	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. Journal of Urology, 1990, 143, 155-160.	0.4	48
13	Nitric oxide synthase-containing neurons in rat parasympathetic, sympathetic and sensory ganglia: a comparative study. The Histochemical Journal, 1995, 27, 819-831.	0.6	41
14	Mir-29 Repression in Bladder Outlet Obstruction Contributes to Matrix Remodeling and Altered Stiffness. PLoS ONE, 2013, 8, e82308.	2.5	40
15	Bladder Overactivity in Mice After 1 Week of Outlet Obstruction. Mainly Afferent Dysfunction?. Journal of Urology, 2003, 170, 1017-1021.	0.4	39
16	Lengthâ€tension relations of smooth muscle from normal and denervated rat urinary bladders. Acta Physiologica Scandinavica, 1981, 112, 443-447.	2.2	38
17	Cytoskeletal and Contractile Proteins in Detrusor Smooth Muscle from Bladders with Outlet Obstructionâ€"a Comparative Study in RAT and MAN. Scandinavian Journal of Urology and Nephrology, 1991, 25, 261-267.	1.4	38
18	Reversal of muscle hypertrophy in the rat urinary bladder after removal of urethral obstruction. Cell and Tissue Research, 1994, 277, 333-339.	2.9	38

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19	Structural and mechanical alterations in hypertrophic venous smooth muscle. Acta Physiologica Scandinavica, 1981, 112, 463-471.	2.2	36
20	Partial outlet obstruction induces chronic distension and increased stiffness of rat urinary bladder. , 1996, 15, 650-665.		36
21	Supersensitivity to Carbachol in the Parasympathetically Decentralized Feline Urinary Bladder. Journal of Urology, 1984, 131, 562-565.	0.4	35
22	Facilitatory Effect of Vasoactive Intestinal Polypeptide on Spinal and Peripheral Micturition Reflex Pathways in Conscious Rats with and without Detrusor Instability. Journal of Urology, 1993, 149, 884-889.	0.4	35
23	Shortening velocity, active force and homogeneity of contraction during electrically evoked twitches in smooth muscle from rabbit urinary bladder. Acta Physiologica Scandinavica, 1979, 106, 481-486.	2.2	32
24	The distribution of intramural nerves in urinary bladder after partial denervation in the female rat. Urological Research, 1998, 26, 291-297.	1.5	30
25	Structural and mechanical adaptations in rat aorta in response to sustained changes in arterial pressure. Acta Physiologica Scandinavica, 1984, 122, 119-126.	2.2	29
26	Deletion of Dicer in Smooth Muscle Affects Voiding Pattern and Reduces Detrusor Contractility and Neuroeffector Transmission. PLoS ONE, 2012, 7, e35882.	2.5	28
27	Lactate Dehydrogenase Activity and Isoform Distribution in the Rat Urinary Bladder: Effects of Outlet Obstruction and its Removal. Journal of Urology, 1993, 150, 543-545.	0.4	27
28	Biomechanical properties and innervation of the female caveolinâ€1â€deficient detrusor. British Journal of Pharmacology, 2011, 162, 1156-1170.	5.4	27
29	Effects of phasic and tonic activation on contraction dynamics in smooth muscle. Acta Physiologica Scandinavica, 1980, 109, 399-406.	2.2	25
30	Urinary Bladder Function in Rats with Hereditary Diabetes Insipidus; A Cystometrical and in Vitro Evaluation. Journal of Urology, 1992, 148, 930-934.	0.4	25
31	Intramural neurones appear in the urinary bladder wall following excision of the pelvic ganglion in the rat. NeuroReport, 1995, 6, 2213-2216.	1.2	25
32	Nitrergic and cholinergic innervation of the rat lower urinary tract after pelvic ganglionectomy. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 274, R389-R397.	1.8	25
33	Pharmacological techniques for the in vitro study of the urinary bladder. Journal of Pharmacological and Toxicological Methods, 2001, 45, 91-108.	0.7	24
34	Lactate dehydrogenase activity and isoform distribution in normal and hypertrophic smooth muscle tissue from the rat. Pflugers Archiv European Journal of Physiology, 1991, 419, 230-234.	2.8	23
35	Impaired contractility and detrusor hypertrophy in cavin-1-deficient mice. European Journal of Pharmacology, 2012, 689, 179-185.	3.5	23
36	Organ-sparing reconstructive surgery in penile cancer: initial experiences at two Swedish referral centres. Scandinavian Journal of Urology, 2015, 49, 149-154.	1.0	23

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37	Detrusor Collagen Content in the Denervated rat Urinary Bladder. Journal of Urology, 1986, 136, 1110-1112.	0.4	20
38	HIF-mediated metabolic switching in bladder outlet obstruction mitigates the relaxing effect of mitochondrial inhibition. Laboratory Investigation, 2014, 94, 557-568.	3.7	20
39	Detrusor Induction of miR-132/212 following Bladder Outlet Obstruction: Association with MeCP2 Repression and Cell Viability. PLoS ONE, 2015, 10, e0116784.	2.5	20
40	Influence of Muscle Length on the Forceâ€Velocity Relation of K⁺â€contractures in Smooth Muscle from Rabbit Urinary Bladder. Acta Physiologica Scandinavica, 1977, 101, 270-277.	2.2	19
41	Strontium and Barium as Substitutes for Calcium on Electrical and Mechanical Activity in Rat Portal Vein. Journal of Vascular Research, 1974, 11, 245-259.	1.4	18
42	The Effects of Variations in Extracellular Magnesium Concentration on Electrical and Mechanical Activity in Rat Portal Vein. Acta Physiologica Scandinavica, 1977, 99, 368-376.	2.2	18
43	Cystometrical evaluation of acute and chronic overdistension in the rat urinary bladder. Urological Research, 1998, 26, 325-330.	1.5	18
44	Length-tension relations of in vitro urinary bladder smooth muscle strips. Journal of Pharmacological and Toxicological Methods, 2001, 45, 87-90.	0.7	18
45	Nexilin/NEXN controls actin polymerization in smooth muscle and is regulated by myocardin family coactivators and YAP. Scientific Reports, 2018, 8, 13025.	3.3	18
46	Responses of Smooth Muscle to Quick Load Change Studied at High Time Resolution. Journal of Vascular Research, 1978, 15, 65-82.	1.4	15
47	Effects of Ca2+ on forceâ€velocity characteristics of normal and hypertrophic smooth muscle of the rat portal vein. Acta Physiologica Scandinavica, 1985, 124, 525-533.	2.2	15
48	Effects of purinoceptor agonists on smooth muscle from hypertrophied rat urinary bladder. European Journal of Pharmacology, 1995, 276, 137-144.	3.5	14
49	Regional Differences In Bladder Enlargement And In Vitro Contractility After Outlet Obstruction In The Rabbit. Journal of Urology, 2002, 168, 1240-1246.	0.4	14
50	Identification of the intermediate filament protein synemin/SYNM as a target of myocardin family coactivators. American Journal of Physiology - Cell Physiology, 2019, 317, C1128-C1142.	4.6	14
51	Human urinary bladder smooth muscle is dependent on membrane cholesterol for cholinergic activation. European Journal of Pharmacology, 2010, 634, 142-148.	3.5	13
52	Biochemical and functional correlates of an increased membrane density of caveolae in hypertrophic rat urinary bladder. European Journal of Pharmacology, 2010, 649, 362-368.	3.5	13
53	Micro<scp>RNA</scp>s in Bladder Outlet Obstruction: Relationship to Growth and Matrix Remodelling. Basic and Clinical Pharmacology and Toxicology, 2016, 119, 5-17.	2.5	13
54	Assessing the contribution of thrombospondin-4 induction and ATF6Î± activation to endoplasmic reticulum expansion and phenotypic modulation in bladder outlet obstruction. Scientific Reports, 2016, 6, 32449.	3.3	12

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55	Content and contractile effect of arginine vasopressin in rat urinary bladder. European Journal of Pharmacology, 1990, 182, 549-554.	3.5	11
56	Effects of Unilateral Pelvic Ganglionectomy on Urinary Bladder Function in the Male Rat. Scandinavian Journal of Urology and Nephrology, 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. Neurourology and Urodynamics, 2004, 23, 159-165.	1.5	11
58	Stimulatory effects of Ba2+on contractile activity in the smooth muscle of the rat portal vein. Acta Physiologica Scandinavica, 1981, 113, 201-205.	2.2	10
59	Partial obstruction of the rat urinary bladder: Effects on mitochondria and mitochondrial glucose metabolism in detrusor smooth muscle cells. Neurourology and Urodynamics, 1997, 16, 601-607.	1.5	10
60	Shortening velocity is different in longitudinal Â· and circular muscle layers of the rabbit urethra. Urological Research, 1998, 26, 423-426.	1.5	10
61	UP-REGULATION OF BRADYKININ RESPONSE IN RAT AND HUMAN BLADDER SMOOTH MUSCLE. Journal of Urology, 2000, 164, 1757-1763.	0.4	10
62	BIOCOMPATIBILITY OF NITINOL AND STAINLESS STEEL IN THE BLADDER: AN EXPERIMENTAL STUDY. Journal of Urology, 2005, 173, 647-650.	0.4	10
63	Intracellular calcium in hypertrophic smooth muscle from rat urinary bladder. Scandinavian Journal of Urology and Nephrology, 2007, 41, 270-277.	1.4	10
64	Changes in length and volume of smooth muscle cells of the hypertrophied rat urinary bladder. Acta Physiologica Scandinavica, 1983, 118, 305-308.	2.2	9
65	Effects of Ovariectomy on Mechanical Properties and Collagen Content in Rabbit Lower Urinary Tract Smooth Muscle. Scandinavian Journal of Urology and Nephrology, 1996, 30, 7-14.	1.4	9
66	Robot-assisted laparoscopic retroperitoneal lymph node dissection in clinical stage II testicular cancer. Journal of Robotic Surgery, 2008, 2, 189-191.	1.8	9
67	Non-uniform changes in membrane receptors in the rat urinary bladder following outlet obstruction. European Journal of Pharmacology, 2015, 762, 82-88.	3.5	9
68	Oxygen dependence and energy turnover in normal and hypertrophic rat portal vein. Acta Physiologica Scandinavica, 1981, 113, 341-348.	2.2	8
69	Effects of Variations in Extracellular Osmolality on Spontaneous Contractile Activity and Response to Nerve Stimulation in Rat Detrusor Muscle in vitro. Urologia Internationalis, 1985, 40, 196-200.	1.3	8
70	Neurite outgrowth in cultured mouse pelvic ganglia - Effects of neurotrophins and bladder tissue. Autonomic Neuroscience: Basic and Clinical, 2017, 205, 41-49.	2.8	8
71	Cavin-3 (PRKCDBP) deficiency reduces the density of caveolae in smooth muscle. Cell and Tissue Research, 2017, 368, 591-602.	2.9	8
72	Antagonistic relationship between the unfolded protein response and myocardinâ€driven transcription in smooth muscle. Journal of Cellular Physiology, 2020, 235, 7370-7382.	4.1	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.	2.5	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.	1.5	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.	3.5	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.	2.7	7
78	Metabolism of Detrusor Smooth Muscle in Normal and Obstructed Urinary Bladder. Advances in Experimental Medicine and Biology, 1995, 385, 29-39.	1.6	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 Ca²+ and Sr²+ at different modes of activation in the smooth muscle of the rat portal vein. Acta Physiologica Scandinavica, 1983, 117, 541-545.	2.2	5
81	Acute Contractile Effects of Epidermal Growth Factor on Bladder Smooth Muscles: An In Vivo and In Vitro 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.	3.5	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.	0.9	5
84	Priapism in a Patient with Endometrioid Prostatic Carcinoma. Urologia Internationalis, 1988, 43, 245-247.	1.3	4
85	Scientific language trends among Swedish urologists and surgeons 1900â€“1955. World Journal of Urology, 2019, 37, 975-982.	2.2	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.	0.4	3
89	Glial 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.	2.2	1

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91	Cystometric and in vitro muscle studies of cystoplastic appendiceal segments in the rat. Neurourology and Urodynamics, 2006, 25, 259-267.	1.5	1
92	Open partial nephrectomy for renal cell cancer in a medium patient volume centre: Is high quality possible?. Scandinavian Journal of Urology and Nephrology, 2010, 44, 204-211.	1.4	1
93	Effects of Strontium and Some Other Divalent Cations on Electrical and Mechanical Activity in Ratâ€™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. Journal of Vascular Research, 1974, 11, 120-127.	1.4	0
95	Ornithine Decarboxylase Activity and Polyamine Content in Normal Renal Tissue and in Renal Carcinoma. Urologia Internationalis, 1987, 42, 105-107.	1.3	0
96	Association of M3 muscarinic receptors and Kir6.1 with human detrusor caveolae. FASEB Journal, 2011, 25, lb511.	0.5	0
97	Early history of skin preservation and transplantation; the role of Carl August Ljunggren. Journal of Medical Biography, 2024, 32, 82-89.	0.1	0