

Jennifer Southgate

List of Publications by Year in descending order

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122
papers

5,073
citations

94269

37
h-index

98622

67
g-index

130
all docs

130
docs citations

130
times ranked

6025
citing authors

#	ARTICLE	IF	CITATIONS
1	Multistage carcinogenesis induced by ras and myc oncogenes in a reconstituted organ. <i>Cell</i> , 1989, 56, 917-930.	13.5	362
2	EGFR as a potential therapeutic target for a subset of muscle-invasive bladder cancers presenting a basal-like phenotype. <i>Science Translational Medicine</i> , 2014, 6, 244ra91.	5.8	304
3	Characterisation of electrospun polystyrene scaffolds for three-dimensional in vitro biological studies. <i>Biomaterials</i> , 2006, 27, 3136-3146.	5.7	239
4	Regional copy number-independent deregulation of transcription in cancer. <i>Nature Genetics</i> , 2006, 38, 1386-1396.	9.4	198
5	The relationship between the mechanical properties and cell behaviour on PLGA and PCL scaffolds for bladder tissue engineering. <i>Biomaterials</i> , 2009, 30, 1321-1328.	5.7	195
6	Independent Component Analysis Uncovers the Landscape of the Bladder Tumor Transcriptome and Reveals Insights into Luminal and Basal Subtypes. <i>Cell Reports</i> , 2014, 9, 1235-1245.	2.9	181
7	Development and characterisation of a full-thickness acellular porcine bladder matrix for tissue engineering. <i>Biomaterials</i> , 2007, 28, 1061-1070.	5.7	172
8	Role of PPAR γ and EGFR signalling in the urothelial terminal differentiation programme. <i>Journal of Cell Science</i> , 2004, 117, 2029-2036.	1.2	156
9	Uroplakin Gene Expression by Normal and Neoplastic Human Urothelium. <i>American Journal of Pathology</i> , 1998, 153, 1957-1967.	1.9	126
10	Uroplakin gene expression in normal human tissues and locally advanced bladder cancer. <i>Journal of Pathology</i> , 2003, 199, 41-49.	2.1	120
11	Recreational ketamine: from pleasure to pain. <i>BJU International</i> , 2011, 107, 1881-1884.	1.3	114
12	PPAR γ -regulated tight junction development during human urothelial cytodifferentiation. <i>Journal of Cellular Physiology</i> , 2006, 208, 407-417.	2.0	100
13	Deregulation of Rab and Rab Effector Genes in Bladder Cancer. <i>PLoS ONE</i> , 2012, 7, e39469.	1.1	95
14	Activation of Peroxisome Proliferator-Activated Receptor- γ Reverses Squamous Metaplasia and Induces Transitional Differentiation in Normal Human Urothelial Cells. <i>American Journal of Pathology</i> , 2004, 164, 1789-1798.	1.9	90
15	Review: Tissue Engineering of the Urinary Bladder: Considering Structure-Function Relationships and the Role of Mechanotransduction. <i>Tissue Engineering</i> , 2006, 12, 635-644.	4.9	86
16	Autocrine regulation of human urothelial cell proliferation and migration during regenerative responses in vitro. <i>Experimental Cell Research</i> , 2005, 306, 216-229.	1.2	85
17	The virtual cell—a candidate co-ordinator for 'middle-out' modelling of biological systems. <i>Briefings in Bioinformatics</i> , 2009, 10, 450-461.	3.2	84
18	Expression and cytokine regulation of immune recognition elements by normal human biliary epithelial and established liver cell lines in vitro. <i>Journal of Hepatology</i> , 1998, 29, 550-558.	1.8	71

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19	Differentiation potential of urothelium from patients with benign bladder dysfunction. <i>BJU International</i> , 2007, 99, 1506-1516.	1.3	67
20	A Novel Epigenetic Phenotype Associated With the Most Aggressive Pathway of Bladder Tumor Progression. <i>Journal of the National Cancer Institute</i> , 2011, 103, 47-60.	3.0	66
21	Expression and Localisation of Aquaporin Water Channels in Human Urothelium In Situ and In Vitro. <i>European Urology</i> , 2009, 56, 1013-1024.	0.9	62
22	Influence of the physical properties of two-dimensional polyester substrates on the growth of normal human urothelial and urinary smooth muscle cells in vitro. <i>Biomaterials</i> , 2007, 28, 2264-2274.	5.7	60
23	Tissue Engineering Potential of Urothelial Cells From Diseased Bladders. <i>Journal of Urology</i> , 2011, 186, 2014-2020.	0.2	57
24	Culture of Human Urothelium. , 0, , 381-399.		56
25	Towards control of smooth muscle cell differentiation in synthetic 3D scaffolds. <i>Biomaterials</i> , 2008, 29, 3357-3366.	5.7	54
26	The Effects of Malignant Transformation on Susceptibility of Human Urothelial Cells to CD40-Mediated Apoptosis. <i>Journal of the National Cancer Institute</i> , 2002, 94, 1381-1395.	3.0	52
27	In vitro assessment of decellularized porcine dermis as a matrix for urinary tract reconstruction. <i>BJU International</i> , 2004, 94, 859-866.	1.3	52
28	Generation of a Functional, Differentiated Porcine Urothelial Tissue In Vitro. <i>European Urology</i> , 2008, 54, 1423-1432.	0.9	50
29	Ketamine-Induced Apoptosis in Normal Human Urothelial Cells. <i>American Journal of Pathology</i> , 2016, 186, 1267-1277.	1.9	50
30	An integrated agent-mathematical model of the effect of intercellular signalling via the epidermal growth factor receptor on cell proliferation. <i>Journal of Theoretical Biology</i> , 2006, 242, 774-789.	0.8	49
31	Calcium signalling in wound-responsive normal human urothelial cell monolayers. <i>Cell Calcium</i> , 2008, 44, 453-464.	1.1	49
32	Identification of ELF3 as an early transcriptional regulator of human urothelium. <i>Developmental Biology</i> , 2014, 386, 321-330.	0.9	49
33	Effects of PPAR agonists on proliferation and differentiation in human urothelium. <i>Experimental and Toxicologic Pathology</i> , 2008, 60, 435-441.	2.1	48
34	Implications of TERT promoter mutations and telomerase activity in urothelial carcinogenesis. <i>Nature Reviews Urology</i> , 2018, 15, 386-393.	1.9	48
35	Transplantation of Autologous Differentiated Urothelium in an Experimental Model of Composite Cystoplasty. <i>European Urology</i> , 2011, 59, 447-454.	0.9	47
36	Functional expression of purinergic P2 receptors and transient receptor potential channels by the human urothelium. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F396-F406.	1.3	44

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37	Patterns of splice variant CD44 expression by normal human urothelium in situ and in vitro and by bladder-carcinoma cell lines. <i>International Journal of Cancer</i> , 1995, 62, 449-456.	2.3	43
38	Heterarchy of transcription factors driving basal and luminal cell phenotypes in human urothelium. <i>Cell Death and Differentiation</i> , 2017, 24, 809-818.	5.0	41
39	Current status of tissue engineering in urology. <i>Current Opinion in Urology</i> , 2008, 18, 564-569.	0.9	38
40	Aquaporin Expression Contributes to Human Transurothelial Permeability In Vitro and Is Modulated by NaCl. <i>PLoS ONE</i> , 2012, 7, e45339.	1.1	38
41	Rat Urinary Bladder Carcinogenesis by Dual-Acting PPAR α and PPAR γ . <i>PPAR Research</i> , 2008, 2008, 1-14.	1.1	37
42	A novel bidirectional positive feedback loop between Wnt/ β -catenin and EGFR/ERK: role of context-specific signalling crosstalk in modulating epithelial tissue regeneration. <i>Journal of Cell Science</i> , 2014, 127, 2967-82.	1.2	35
43	Differential Regulation of Growth-Promoting Signalling Pathways by E-Cadherin. <i>PLoS ONE</i> , 2010, 5, e13621.	1.1	33
44	Nerve hyperplasia: a unique feature of ketamine cystitis. <i>Acta Neuropathologica Communications</i> , 2013, 1, 64.	2.4	33
45	Towards defining roles and relationships for tenascin-C and TGF β -1 in the normal and neoplastic urinary bladder. <i>Journal of Pathology</i> , 2002, 198, 359-368.	2.1	32
46	Phenotypic analysis of cultured melanoma cells. <i>Experimental Cell Research</i> , 1986, 164, 388-398.	1.2	31
47	Mutation analyses of Uroplakin II in children with renal tract malformations. <i>Nephrology Dialysis Transplantation</i> , 2006, 21, 3415-3421.	0.4	31
48	Toll-Like Receptor Responses of Normal Human Urothelial Cells to Bacterial Flagellin and Lipopolysaccharide. <i>Journal of Urology</i> , 2011, 186, 1084-1092.	0.2	31
49	Is tissue engineering and biomaterials the future for lower urinary tract dysfunction (LUTD)/pelvic organ prolapse (POP)? <i>Neurourology and Urodynamics</i> , 2011, 30, 775-782.	0.8	29
50	Heparin functionalisation of porous PLGA scaffolds for controlled, biologically relevant delivery of growth factors for soft tissue engineering. <i>Journal of Materials Chemistry</i> , 2009, 19, 9265.	6.7	28
51	Regenerative medicine in urology. <i>BJU International</i> , 2011, 108, 1046-1065.	1.3	28
52	INTERLEUKINS 4 AND 13 UPREGULATE EXPRESSION OF CD44 IN HUMAN COLONIC EPITHELIAL CELL LINES. <i>Cytokine</i> , 1998, 10, 756-765.	1.4	27
53	The Human Tissue-Biomaterial Interface: A Role for PPAR γ -Dependent Glucocorticoid Receptor Activation in Regulating the CD163+ M2 Macrophage Phenotype. <i>Tissue Engineering - Part A</i> , 2014, 20, 2390-2401.	1.6	27
54	Relationship between E-cadherin and fibroblast growth factor receptor 2b expression in bladder carcinomas. <i>Oncogene</i> , 1999, 18, 5722-5726.	2.6	26

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55	The effect of low-intensity pulsed ultrasound on repair of epithelial cell monolayers in vitro. <i>Ultrasound in Medicine and Biology</i> , 2005, 31, 1701-1706.	0.7	26
56	Sensitivity of Normal, Paramalignant, and Malignant Human Urothelial Cells to Inhibitors of the Epidermal Growth Factor Receptor Signaling Pathway. <i>Molecular Cancer Research</i> , 2008, 6, 53-63.	1.5	26
57	Immortalisation of Normal Human Urothelial Cells Compromises Differentiation Capacity. <i>European Urology</i> , 2011, 60, 141-149.	0.9	26
58	Differential Expression of Oct4 Variants and Pseudogenes in Normal Urothelium and Urothelial Cancer. <i>American Journal of Pathology</i> , 2013, 183, 1128-1136.	1.9	25
59	Immunophenotype of Transitional Metaplasia of the Uterine Cervix. <i>International Journal of Gynecological Pathology</i> , 1999, 18, 125-129.	0.9	24
60	Bio-engineering urothelial cells for bladder tissue transplant. <i>Expert Opinion on Biological Therapy</i> , 2008, 8, 1039-1049.	1.4	23
61	Regenerative Medicine in Urology. <i>European Journal of Pediatric Surgery</i> , 2014, 24, 227-236.	0.7	23
62	Identification of Genes Up-Regulated in Urothelial Tumors. <i>American Journal of Pathology</i> , 2003, 163, 493-504.	1.9	22
63	Effects of loss of p53 and p16 function on life span and survival of human urothelial cells. <i>International Journal of Cancer</i> , 2005, 116, 634-639.	2.3	22
64	Trans-Species Comparison of PPAR and RXR Expression by Rat and Human Urothelial Tissues. <i>Toxicologic Pathology</i> , 2008, 36, 485-495.	0.9	22
65	Urothelial Tissue Regulation. <i>Advances in Experimental Medicine and Biology</i> , 1999, , 19-30.	0.8	21
66	Organotypic and 3D Reconstructed Cultures of the Human Bladder and Urinary Tract. <i>Methods in Molecular Biology</i> , 2011, 695, 197-211.	0.4	21
67	The human urothelial tight junction: claudin 3 and the ZO-1±± switch. <i>Bladder</i> , 2015, 2, e9.	0.6	21
68	Induction of APOBEC3-mediated genomic damage in urothelium implicates BK polyomavirus (BKPyV) as a hit-and-run driver for bladder cancer. <i>Oncogene</i> , 2022, 41, 2139-2151.	2.6	21
69	Inhibition of T cell activation by normal human biliary epithelial cells. <i>Journal of Hepatology</i> , 1999, 31, 1026-1033.	1.8	20
70	Plasticity of In Vitro-Generated Urothelial Cells for Functional Tissue Formation. <i>Tissue Engineering - Part A</i> , 2014, 20, 1358-1368.	1.6	20
71	Biomimetic Urothelial Tissue Models for the <i>in Vitro</i> Evaluation of Barrier Physiology and Bladder Drug Efficacy. <i>Molecular Pharmaceutics</i> , 2014, 11, 1964-1970.	2.3	20
72	Specificity of the Metallothionein-1 Response by Cadmium-Exposed Normal Human Urothelial Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1344.	1.8	18

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73	Genome-wide linkage and association study implicates the 10q26 region as a major genetic contributor to primary nonsyndromic vesicoureteric reflux. <i>Scientific Reports</i> , 2017, 7, 14595.	1.6	17
74	Differentiation-associated urothelial cytochrome P450 oxidoreductase predicates the xenobiotic-metabolizing activity of α -luminal-muscle-invasive bladder cancers. <i>Molecular Carcinogenesis</i> , 2018, 57, 606-618.	1.3	17
75	SUBCUTANEOUS ADMINISTRATION OF RECOMBINANT GLYCOSYLATED INTERLEUKIN 6 IN PATIENTS WITH CANCER: PHARMACOKINETICS, PHARMACODYNAMICS AND IMMUNOMODULATORY EFFECTS. <i>Cytokine</i> , 2000, 12, 388-396.	1.4	16
76	Cyclin E is recruited to the nuclear matrix during differentiation, but is not recruited in cancer cells. <i>Nucleic Acids Research</i> , 2011, 39, 2671-2677.	6.5	16
77	Targeting Deficiencies in the TLR5 Mediated Vaginal Response to Treat Female Recurrent Urinary Tract Infection. <i>Scientific Reports</i> , 2017, 7, 11039.	1.6	16
78	Synthesis of jaspaquinol and effect on viability of normal and malignant bladder epithelial cell lines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 2883-2887.	1.0	14
79	Urothelial differentiation in chronically urine-deprived bladders of patients with end-stage renal disease. <i>Kidney International</i> , 2005, 68, 1032-1040.	2.6	14
80	A Rare Urachal Cyst in a Case of Ketamine-induced Cystitis Provides Mechanistic Insights. <i>Urology</i> , 2016, 90, 223.e1-223.e7.	0.5	14
81	Micro-heterogenous expression of peanut agglutinin-binding sites in the extracellular matrix of cultured cells. <i>Experimental Cell Research</i> , 1985, 156, 153-163.	1.2	13
82	Cellular Integration and Vascularisation Promoted by a Resorbable, Particulate-Leached, Cross-Linked Poly(ϵ -caprolactone) Scaffold. <i>Macromolecular Bioscience</i> , 2011, 11, 618-627.	2.1	13
83	Role of p53 in the responses of human urothelial cells to genotoxic damage. <i>International Journal of Cancer</i> , 2001, 93, 199-203.	2.3	12
84	Use of donor bladder tissues for in vitro research. <i>BJU International</i> , 2014, 113, 160-166.	1.3	12
85	Differential transcription factor expression by human epithelial cells of buccal and urothelial derivation. <i>Experimental Cell Research</i> , 2018, 369, 284-294.	1.2	12
86	Human uroplakin Ib gene structure and promoter analysis. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2002, 1576, 163-170.	2.4	11
87	Cell-type-specific modelling of intracellular calcium signalling: a urothelial cell model. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130487.	1.5	11
88	Augmentation of the insufficient tissue bed for surgical repair of hypospadias using acellular matrix grafts: A proof of concept study. <i>Journal of Tissue Engineering</i> , 2021, 12, 204173142199884.	2.3	11
89	Urothelial Differentiation in Vesicoureteric Reflux and Other Urological Disorders of Childhood: A Comparative Study. <i>European Urology</i> , 2006, 49, 154-160.	0.9	10
90	Reconstruction of the Urinary Bladder by Auto-Augmentation, Enterocystoplasty, and Composite Enterocystoplasty. <i>Advances in Experimental Medicine and Biology</i> , 1999, 462, 43-47.	0.8	10

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91	Human hepatocellular carcinoma: Cross-reactive and idiotypic antigens associated with malignant transformation of epithelial cells. <i>Hepatology</i> , 1987, 7, 543-550.	3.6	9
92	Loss of Janus Associated Kinase 1 Alters Urothelial Cell Function and Facilitates the Development of Bladder Cancer. <i>Frontiers in Immunology</i> , 2019, 10, 2065.	2.2	9
93	Expression of an antigen associated with basal bodies of human ciliated epithelial cells. <i>The Histochemical Journal</i> , 1999, 31, 39-43.	0.6	8
94	Seromuscular Grafts for Bladder Reconstruction: Extra-luminal Demucosalisation of the Bowel. <i>Urology</i> , 2012, 80, 1147-1150.	0.5	8
95	Procarcinogen Activation and Mutational Signatures Model the Initiation of Carcinogenesis in Human Urothelial Tissues In Vitro. <i>European Urology</i> , 2020, 78, 143-147.	0.9	8
96	Expression of cytokeratin 20 in urinary cytology of patients with bladder carcinoma. <i>Cancer</i> , 1998, 83, 1052-1053.	2.0	7
97	PPAR α and PPAR β Coactivation Rapidly Induces Egr-1 in the Nuclei of the Dorsal and Ventral Urinary Bladder and Kidney Pelvis Urothelium of Rats. <i>Toxicologic Pathology</i> , 2009, 37, 947-958.	0.9	7
98	Differentiation-Associated Reprogramming of the Transforming Growth Factor β 2 Receptor Pathway Establishes the Circuitry for Epithelial Autocrine/Paracrine Repair. <i>PLoS ONE</i> , 2012, 7, e51404.	1.1	7
99	Growth factor production during multistage transformation of epithelium in vitro. I. Partial purification and characterisation of the factor(s) from a fully transformed epithelial cell line. <i>Journal of Cellular Physiology</i> , 1985, 125, 156-165.	2.0	6
100	Sources of variability in cytosolic calcium transients triggered by stimulation of homogeneous uro-epithelial cell monolayers. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20141403.	1.5	6
101	Permeability of Differentiated Human Urothelium In Vitro. <i>Methods in Molecular Biology</i> , 2011, 763, 207-222.	0.4	6
102	Reprogramming Stromal Cells from the Urinary Tract and Prostate: A Trip to Pluripotency and Back?. <i>European Urology</i> , 2013, 64, 762-764.	0.9	5
103	Characterization and classification of adherent cells in monolayer culture using automated tracking and evolutionary algorithms. <i>BioSystems</i> , 2016, 146, 110-121.	0.9	4
104	Does a Novel Mutagenic Process Target KMT2D Mutation in the Most Common First Event on the Path to Bladder Cancer?. <i>European Urology</i> , 2021, 79, 435-436.	0.9	4
105	Bladder organoids: a step towards personalised cancer therapy?. <i>Translational Andrology and Urology</i> , 2019, 8, S300-S302.	0.6	3
106	Antibodies to normal human colon membranes: preparation, characterization and tissue distribution. <i>The Histochemical Journal</i> , 1985, 17, 717-729.	0.6	2
107	The Role of Matrix Metalloproteinases in an in Vitro Model of Bladder Tumor Invasion. <i>Advances in Experimental Medicine and Biology</i> , 1999, 462, 413-417.	0.8	2
108	Differential Display. , 2001, 39, 459-468.		1

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109	Assessing UK specialists'™ knowledge of the diagnostic criteria for painful bladder syndrome/interstitial cystitis. International Urogynecology Journal, 2008, 19, 615-620.	0.7	1
110	Translation of mechanical strain to a scalable biomanufacturing process for acellular matrix production from full thickness porcine bladders. Biomedical Materials (Bristol), 2021, 16, 065023.	1.7	1
111	Bladder tissue regeneration. , 2022, , 459-480.		1
112	Surface Shave: Revealing the Apical-Restricted Uroglycome. Journal of Proteome Research, 2022, 21, 360-374.	1.8	1
113	Normal human liver organ culture. In Vitro Cellular and Developmental Biology - Animal, 2001, 37, 231-233.	0.7	0
114	NORMAL HUMAN LIVER ORGAN CULTURE. In Vitro Cellular and Developmental Biology - Animal, 2001, 37, 231.	0.7	0
115	THE INNATE IMMUNE RESPONSE OF HUMAN UROTHELIUM. Journal of Urology, 2008, 179, 81-82.	0.2	0
116	917 EXPRESSION, LOCALISATION AND POTENTIAL CLINICAL SIGNIFICANCE OF AQUAPORINS IN UROTHELIAL BLADDER CANCER. Journal of Urology, 2013, 189, .	0.2	0
117	A theoretical model of cytosolic calcium elevation following wounding in urothelial cell monolayers. Journal of Physics: Conference Series, 2013, 410, 012168.	0.3	0
118	MP24-05 TOLL-LIKE RECEPTOR 5 MEDIATED SENSING OF BACTERIAL FLAGELLIN DRIVES ANTIMICROBIAL PEPTIDE EXPRESSION IN NORMAL HUMAN UROTHELIUM. Journal of Urology, 2016, 195, .	0.2	0
119	Abstract 4020: Wnt and EGFR crosstalk: Evidence for a bi-directional feedback loop important in maintaining the proliferative phenotype of normal urothelial cells. , 2010, , .		0
120	Abstract 1988: A bi-directional feedback loop between Wnt and ERK is important in maintaining the proliferative phenotype of normal human urothelial cells. , 2011, , .		0
121	Abstract 3126: Intercellular communication in the urothelium: Evidence for a switch in gap junction regulation during differentiation. , 2011, , .		0
122	Barrier forming potential of epithelial cells from the exstrophic bladder. American Journal of Pathology, 2022, , .	1.9	0