

# Kelvin P Davies

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64  
papers

1,900  
citations

25  
h-index

42  
g-index

73  
ext. papers

2,109  
ext. citations

4.3  
avg, IF

4.34  
L-index

#	Paper	IF	Citations
64	Role of opiorphin genes in prostate cancer growth and progression. <i>Future Oncology</i> , <b>2021</b> , 17, 2209-2223	3.6	0
63	Gene Therapy for Overactive Bladder: A Review of BK-Channel $\beta$ Subunit Gene Transfer. <i>Therapeutics and Clinical Risk Management</i> , <b>2021</b> , 17, 589-599	2.9	2
62	Restorative Therapies for Erectile Dysfunction: Position Statement From the Sexual Medicine Society of North America (SMSNA). <i>Sexual Medicine</i> , <b>2021</b> , 9, 100343	2.7	3
61	Erectile dysfunction resulting from pelvic surgery is associated with changes in cavernosal gene expression indicative of cavernous nerve injury. <i>Andrologia</i> , <b>2021</b> , e14247	2.4	0
60	NO-Releasing Nanoparticles Ameliorate Detrusor Overactivity in Transgenic Sickle Cell Mice via Restored NO/ROCK Signaling. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2020</b> , 373, 214-219	4.7	1
59	Hyperglycemic memory in the rat bladder detrusor is associated with a persistent hypomethylated state. <i>Physiological Reports</i> , <b>2020</b> , 8, e14614	2.6	2
58	Evaluating the safety and potential activity of URO-902 (hMaxi-K) 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> , <b>2020</b> , 39, 744-753	2.3	13
57	Fecal transplant modifies urine chemistry risk factors for urinary stone disease. <i>Physiological Reports</i> , <b>2019</b> , 7, e14012	2.6	9
56	Identification and characterization of RSIY-11, a novel seminal peptide derived from semenogelin-1, which acts as a neutral endopeptidase inhibitor modulating sperm motility. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2019</b> , 36, 1891-1900	3.4	0
55	Topically Applied Curcumin-Loaded Nanoparticles Treat Erectile Dysfunction in a Rat Model of Type-2 Diabetes. <i>Journal of Sexual Medicine</i> , <b>2018</b> , 15, 645-653	1.1	12
54	Urothelial MaxiK-activity regulates mucosal and detrusor metabolism. <i>PLoS ONE</i> , <b>2017</b> , 12, e0189387	3.7	1
53	Sustained Nitric Oxide-Releasing Nanoparticles Interfere with Methicillin-Resistant Staphylococcus aureus Adhesion and Biofilm Formation in a Rat Central Venous Catheter Model. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2017</b> , 61,	5.9	29
52	Translational Perspective on the Role of Testosterone in Sexual Function and Dysfunction. <i>Journal of Sexual Medicine</i> , <b>2016</b> , 13, 1183-98	1.1	34
51	Sustained Nitric Oxide-Releasing Nanoparticles Induce Cell Death in Candida albicans Yeast and Hyphal Cells, Preventing Biofilm Formation In Vitro and in a Rodent Central Venous Catheter Model. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2016</b> , 60, 2185-94	5.9	25
50	Novel insights into development of diabetic bladder disorder provided by metabolomic analysis of the rat nondiabetic and diabetic detrusor and urothelial layer. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2016</b> , 311, E471-9	6	9
49	Evidence for a distinct gut microbiome in kidney stone formers compared to non-stone formers. <i>Urolithiasis</i> , <b>2016</b> , 44, 399-407	3.2	81
48	Basic Science Evidence for the Link Between Erectile Dysfunction and Cardiometabolic Dysfunction. <i>Journal of Sexual Medicine</i> , <b>2015</b> , 12, 2233-55	1.1	36

47	Development and therapeutic applications of nitric oxide releasing materials to treat erectile dysfunction. <i>Future Science OA</i> , <b>2015</b> , 1,	2.7	12
46	Diabetes attenuates urothelial modulation of detrusor contractility and spontaneous activity. <i>International Journal of Urology</i> , <b>2014</b> , 21, 1059-64	2.3	7
45	The effect of methamphetamine on an animal model of erectile function. <i>Andrology</i> , <b>2014</b> , 2, 531-6	4.2	7
44	Opiorphin is a master regulator of the hypoxic response in corporal smooth muscle cells. <i>FASEB Journal</i> , <b>2014</b> , 28, 3633-44	0.9	15
43	Peptides in seminal fluid and their role in infertility: a potential role for opiorphin inhibition of neutral endopeptidase activity as a clinically relevant modulator of sperm motility: a review. <i>Reproductive Sciences</i> , <b>2014</b> , 21, 1334-40	3	14
42	Topically applied NO-releasing nanoparticles can increase intracorporal pressure and elicit spontaneous erections in a rat model of radical prostatectomy. <i>Journal of Sexual Medicine</i> , <b>2014</b> , 11, 2903-14	1.1	16
41	Whole genome microarray of the major pelvic ganglion after cavernous nerve injury: new insights into molecular profile changes after nerve injury. <i>BJU International</i> , <b>2012</b> , 109, 1552-64	5.6	20
40	Oxidative stress status accompanying diabetic bladder cystopathy results in the activation of protein degradation pathways. <i>BJU International</i> , <b>2011</b> , 107, 1676-84	5.6	24
39	Silencing MaxiK activity in corporal smooth muscle cells initiates compensatory mechanisms to maintain calcium homeostasis. <i>Journal of Sexual Medicine</i> , <b>2011</b> , 8, 2191-204	1.1	7
38	Reversal of diabetic vasculopathy in a rat model of type 1 diabetes by opiorphin-related peptides. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 301, H1353-9	5.2	8
37	Molecular targets for diabetes mellitus-associated erectile dysfunction. <i>Molecular and Cellular Proteomics</i> , <b>2010</b> , 9, 565-78	7.6	29
36	Gene therapy for erectile dysfunction: what is the future?. <i>Current Urology Reports</i> , <b>2010</b> , 11, 421-6	2.9	9
35	Nanoparticles as a novel delivery vehicle for therapeutics targeting erectile dysfunction. <i>Journal of Sexual Medicine</i> , <b>2010</b> , 7, 224-33	1.1	41
34	Recruitment of a SAP18-HDAC1 complex into HIV-1 virions and its requirement for viral replication. <i>PLoS Pathogens</i> , <b>2009</b> , 5, e1000463	7.6	43
33	The mechanism of opiorphin-induced experimental priapism in rats involves activation of the polyamine synthetic pathway. <i>American Journal of Physiology - Cell Physiology</i> , <b>2009</b> , 297, C916-27	5.4	41
32	The role of opiorphins (endogenous neutral endopeptidase inhibitors) in urogenital smooth muscle biology. <i>Journal of Sexual Medicine</i> , <b>2009</b> , 6 Suppl 3, 286-91	1.1	21
31	Smooth-muscle-specific gene transfer with the human maxi-k channel improves erectile function and enhances sexual behavior in atherosclerotic cynomolgus monkeys. <i>European Urology</i> , <b>2009</b> , 56, 1055-66	10.2	29
30	Longitudinal studies of time-dependent changes in both bladder and erectile function after streptozotocin-induced diabetes in Fischer 344 male rats. <i>BJU International</i> , <b>2009</b> , 104, 1292-300	5.6	24

29	Testosterone regulates erectile function and Vcsa1 expression in the corpora of rats. <i>Molecular and Cellular Endocrinology</i> , <b>2009</b> , 303, 67-73	4.4	17
28	Vcsa1 acts as a marker of erectile function recovery after gene therapeutic and pharmacological interventions. <i>Journal of Urology</i> , <b>2009</b> , 181, 2806-15	2.5	7
27	Gene therapy in the management of erectile dysfunction (ED): past, present, and future. <i>Scientific World Journal, The</i> , <b>2009</b> , 9, 846-54	2.2	11
26	Gene transfer with a vector expressing Maxi-K from a smooth muscle-specific promoter restores erectile function in the aging rat. <i>Gene Therapy</i> , <b>2008</b> , 15, 364-70	4	38
25	The opiorphin gene (ProL1) and its homologues function in erectile physiology. <i>BJU International</i> , <b>2008</b> , 102, 736-40	5.6	42
24	Transcription of G-protein coupled receptors in corporeal smooth muscle is regulated by the endogenous neutral endopeptidase inhibitor sialorphin. <i>Journal of Urology</i> , <b>2008</b> , 180, 760-6	2.5	18
23	Proteomics analysis identifies molecular targets related to diabetes mellitus-associated bladder dysfunction. <i>Molecular and Cellular Proteomics</i> , <b>2008</b> , 7, 1270-85	7.6	38
22	Markers of erectile dysfunction. <i>Indian Journal of Urology</i> , <b>2008</b> , 24, 320-8	0.8	4
21	Sialorphin (the mature peptide product of Vcsa1) relaxes corporal smooth muscle tissue and increases erectile function in the ageing rat. <i>BJU International</i> , <b>2007</b> , 99, 431-5	5.6	46
20	Using gene chips to identify organ-specific, smooth muscle responses to experimental diabetes: potential applications to urological diseases. <i>BJU International</i> , <b>2007</b> , 99, 418-430	5.6	25
19	Diabetes-induced changes in the alternative splicing of the slo gene in corporal tissue. <i>European Urology</i> , <b>2007</b> , 52, 1229-37	10.2	18
18	hSMR3A as a marker for patients with erectile dysfunction. <i>Journal of Urology</i> , <b>2007</b> , 178, 338-43	2.5	28
17	Threshold gene transfer with hSlo enhances sildenafil-induced erectile responses in 2 month streptozotocin(STZ)-diabetic rats. <i>FASEB Journal</i> , <b>2007</b> , 21, A420	0.9	
16	Plasmid-based gene transfer for treatment of erectile dysfunction and overactive bladder: results of a phase I trial. <i>Israel Medical Association Journal</i> , <b>2007</b> , 9, 143-6	0.9	22
15	hMaxi-K gene transfer in males with erectile dysfunction: results of the first human trial. <i>Human Gene Therapy</i> , <b>2006</b> , 17, 1165-76	4.8	86
14	Experimental diabetes alters connexin43 derived gap junction permeability in short-term cultures of rat corporeal vascular smooth muscle cells. <i>Journal of Urology</i> , <b>2006</b> , 175, 381-6	2.5	25
13	Variable coding sequence protein A1 as a marker for erectile dysfunction. <i>BJU International</i> , <b>2006</b> , 98, 396-401	5.6	41
12	hMaxi-K Gene Transfer in Males with Erectile Dysfunction: Results of the First Human Trial. <i>Human Gene Therapy</i> , <b>2006</b> , 061130035844001	4.8	

11	hMaxi-K Gene Transfer in Males with Erectile Dysfunction: Results of the First Human Trial. <i>Human Gene Therapy</i> , <b>2006</b> , 061207100712001	4.8	
10	hMaxi-K Gene Transfer in Males with Erectile Dysfunction: Results of the First Human Trial. <i>Human Gene Therapy</i> , <b>2006</b> , 061211062507001	4.8	1
9	The first human trial for gene transfer therapy for the treatment of erectile dysfunction: preliminary results. <i>European Urology</i> , <b>2005</b> , 48, 314-8	10.2	56
8	Intracorporal injection of hSlo cDNA restores erectile capacity in STZ-diabetic F-344 rats in vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2004</b> , 287, H1544-53	5.2	78
7	A masked NES in INI1/hSNF5 mediates hCRM1-dependent nuclear export: implications for tumorigenesis. <i>EMBO Journal</i> , <b>2002</b> , 21, 31-42	13	81
6	Cell cycle arrest and repression of cyclin D1 transcription by INI1/hSNF5. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 5975-88	4.8	206
5	The physiology, pathophysiology and therapeutic potential of gap junctions in smooth muscle. <i>Current Drug Targets</i> , <b>2002</b> , 3, 427-40	3	10
4	c-MYC interacts with INI1/hSNF5 and requires the SWI/SNF complex for transactivation function. <i>Nature Genetics</i> , <b>1999</b> , 22, 102-5	36.3	315
3	Manipulation of the vsg co-transposed region increases expression-site switching in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , <b>1997</b> , 86, 163-77	1.9	34
2	Assessment of uncoupling by amiloride analogs. <i>Biochemistry</i> , <b>1992</b> , 31, 8055-8	3.2	18
1	The role of amino acids in the energy generating pathways of <i>Litomosoides carinii</i> . <i>Molecular and Biochemical Parasitology</i> , <b>1990</b> , 41, 115-24	1.9	11