

Kelvin P Davies

List of Publications by Year in descending order

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68
papers

2,292
citations

218381

26
h-index

214527

47
g-index

73
all docs

73
docs citations

73
times ranked

2430
citing authors

#	ARTICLE	IF	CITATIONS
1	c-MYC interacts with INI1/hSNF5 and requires the SWI/SNF complex for transactivation function. <i>Nature Genetics</i> , 1999, 22, 102-105.	9.4	348
2	Cell Cycle Arrest and Repression of Cyclin D1 Transcription by INI1/hSNF5. <i>Molecular and Cellular Biology</i> , 2002, 22, 5975-5988.	1.1	223
3	Evidence for a distinct gut microbiome in kidney stone formers compared to non-stone formers. <i>Urolithiasis</i> , 2016, 44, 399-407.	1.2	122
4	hMaxi-K Gene Transfer in Males with Erectile Dysfunction: Results of the First Human Trial. <i>Human Gene Therapy</i> , 2006, 17, 1165-1176.	1.4	105
5	A masked NES in INI1/hSNF5 mediates hCRM1-dependent nuclear export: implications for tumorigenesis. <i>EMBO Journal</i> , 2002, 21, 31-42.	3.5	87
6	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> , 2004, 287, H1544-H1553.	1.5	82
7	The First Human Trial for Gene Transfer Therapy for the Treatment of Erectile Dysfunction: Preliminary Results. <i>European Urology</i> , 2005, 48, 314-318.	0.9	63
8	Nanoparticles as a Novel Delivery Vehicle for Therapeutics Targeting Erectile Dysfunction. <i>Journal of Sexual Medicine</i> , 2010, 7, 224-233.	0.3	56
9	Sialorphin (the mature peptide product of <i>Vcsa1</i>) relaxes corporal smooth muscle tissue and increases erectile function in the ageing rat. <i>BJU International</i> , 2007, 99, 431-435.	1.3	53
10	The opiorphin gene (<i>ProL1</i>) and its homologues function in erectile physiology. <i>BJU International</i> , 2008, 102, 736-740.	1.3	53
11	Recruitment of a SAP18-HDAC1 Complex into HIV-1 Virions and Its Requirement for Viral Replication. <i>PLoS Pathogens</i> , 2009, 5, e1000463.	2.1	53
12	The mechanism of opiorphin-induced experimental priapism in rats involves activation of the polyamine synthetic pathway. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C916-C927.	2.1	50
13	Variable coding sequence protein A1 as a marker for erectile dysfunction. <i>BJU International</i> , 2006, 98, 396-401.	1.3	45
14	Proteomics Analysis Identifies Molecular Targets Related to Diabetes Mellitus-associated Bladder Dysfunction. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 1270-1285.	2.5	44
15	Basic Science Evidence for the Link Between Erectile Dysfunction and Cardiometabolic Dysfunction. <i>Journal of Sexual Medicine</i> , 2015, 12, 2233-2255.	0.3	43
16	Translational Perspective on the Role of Testosterone in Sexual Function and Dysfunction. <i>Journal of Sexual Medicine</i> , 2016, 13, 1183-1198.	0.3	42
17	Sustained Nitric Oxide-Releasing Nanoparticles Interfere with Methicillin-Resistant <i>Staphylococcus aureus</i> Adhesion and Biofilm Formation in a Rat Central Venous Catheter Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	41
18	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> , 2008, 15, 364-370.	2.3	40

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19	Sustained Nitric Oxide-Releasing Nanoparticles Induce Cell Death in <i>Candida albicans</i> Yeast and Hyphal Cells, Preventing Biofilm Formation <i>in Vitro</i> and in a Rodent Central Venous Catheter Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 2185-2194.	1.4	38
20	Manipulation of the vsg co-transposed region increases expression-site switching in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1997, 86, 163-177.	0.5	36
21	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> , 2009, 56, 1055-1066.	0.9	36
22	Molecular Targets for Diabetes Mellitus-associated Erectile Dysfunction. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 565-578.	2.5	35
23	hSMR3A as a Marker for Patients With Erectile Dysfunction. <i>Journal of Urology</i> , 2007, 178, 338-343.	0.2	32
24	Experimental Diabetes Alters Connexin43 Derived Gap Junction Permeability in Short-Term Cultures of Rat Corporal Vascular Smooth Muscle Cells. <i>Journal of Urology</i> , 2006, 175, 381-386.	0.2	28
25	Using gene chips to identify organ-specific, smooth muscle responses to experimental diabetes: potential applications to urological diseases. <i>BJU International</i> , 2007, 99, 418-430.	1.3	28
26	Oxidative stress status accompanying diabetic bladder cystopathy results in the activation of protein degradation pathways. <i>BJU International</i> , 2011, 107, 1676-1684.	1.3	27
27	The Role of Opiorphins (Endogenous Neutral Endopeptidase Inhibitors) in Urogenital Smooth Muscle Biology. <i>Journal of Sexual Medicine</i> , 2009, 6, 286-291.	0.3	25
28	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> , 2009, 104, 1292-1300.	1.3	25
29	Evaluating the safety and potential activity of UR0ae902 (hMaxiaek) 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 I trials. <i>Neurourology and Urodynamics</i> , 2020, 39, 744-753.	0.8	25
30	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> , 2012, 109, 1552-1564.	1.3	24
31	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> , 2014, 11, 2903-2914.	0.3	22
32	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> , 2014, 21, 1334-1340.	1.1	22
33	Plasmid-based gene transfer for treatment of erectile dysfunction and overactive bladder: results of a phase I trial. <i>Israel Medical Association Journal</i> , 2007, 9, 143-6.	0.1	22
34	Diabetes-Induced Changes in the Alternative Splicing of the Slo Gene in Corporal Tissue. <i>European Urology</i> , 2007, 52, 1229-1237.	0.9	21
35	Assessment of uncoupling by amiloride analogs. <i>Biochemistry</i> , 1992, 31, 8055-8058.	1.2	20
36	Transcription of G-Protein Coupled Receptors in Corporal Smooth Muscle is Regulated by the Endogenous Neutral Endopeptidase Inhibitor Sialorphin. <i>Journal of Urology</i> , 2008, 180, 760-766.	0.2	20

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37	Opiorphin is a master regulator of the hypoxic response in corporal smooth muscle cells. FASEB Journal, 2014, 28, 3633-3644.	0.2	20
38	Topically Applied Curcumin-Loaded Nanoparticles Treat Erectile Dysfunction in a Rat Model of Type-2 Diabetes. Journal of Sexual Medicine, 2018, 15, 645-653.	0.3	20
39	Testosterone regulates erectile function and Vcsa1 expression in the corpora of rats. Molecular and Cellular Endocrinology, 2009, 303, 67-73.	1.6	18
40	Fecal transplant modifies urine chemistry risk factors for urinary stone disease. Physiological Reports, 2019, 7, e14012.	0.7	18
41	Development and therapeutic applications of nitric oxide releasing materials to treat erectile dysfunction. Future Science OA, 2015, 1, .	0.9	17
42	Restorative Therapies for Erectile Dysfunction: Position Statement From the Sexual Medicine Society of North America (SMSNA). Sexual Medicine, 2021, 9, 100343-100343.	0.9	16
43	The Physiology, Pathophysiology and Therapeutic Potential of Gap Junctions in Smooth Muscle. Current Drug Targets, 2002, 3, 427-440.	1.0	12
44	The role of amino acids in the energy generating pathways of Litomosoides carinii. Molecular and Biochemical Parasitology, 1990, 41, 115-124.	0.5	11
45	Gene Therapy in the Management of Erectile Dysfunction (ED): Past, Present, and Future. Scientific World Journal, The, 2009, 9, 846-854.	0.8	11
46	Novel insights into development of diabetic bladder disorder provided by metabolomic analysis of the rat nondiabetic and diabetic detrusor and urothelial layer. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E471-E479.	1.8	11
47	Gene Therapy for Overactive Bladder: A Review of BK-Channel $\hat{\pm}$ -Subunit Gene Transfer. Therapeutics and Clinical Risk Management, 2021, Volume 17, 589-599.	0.9	11
48	Gene Therapy for Erectile Dysfunction: What Is the Future?. Current Urology Reports, 2010, 11, 421-426.	1.0	10
49	Reversal of diabetic vasculopathy in a rat model of type 1 diabetes by opiorphin-related peptides. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H1353-H1359.	1.5	10
50	Fidgetin-like 2 negatively regulates axonal growth and can be targeted to promote functional nerve regeneration. JCI Insight, 2021, 6, .	2.3	9
51	Diabetes attenuates urothelial modulation of detrusor contractility and spontaneous activity. International Journal of Urology, 2014, 21, 1059-1064.	0.5	8
52	The effect of methamphetamine on an animal model of erectile function. Andrology, 2014, 2, 531-536.	1.9	8
53	<i>Vcsa1</i> Acts as a Marker of Erectile Function Recovery After Gene Therapeutic and Pharmacological Interventions. Journal of Urology, 2009, 181, 2806-2815.	0.2	7
54	Silencing MaxiK Activity in Corporal Smooth Muscle Cells Initiates Compensatory Mechanisms to Maintain Calcium Homeostasis. Journal of Sexual Medicine, 2011, 8, 2191-2204.	0.3	7

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55	NO-Releasing Nanoparticles Ameliorate Detrusor Overactivity in Transgenic Sickle Cell Mice via Restored NO/ROCK Signaling. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 373, 214-219.	1.3	6
56	Markers of erectile dysfunction. <i>Indian Journal of Urology</i> , 2008, 24, 320.	0.2	5
57	Hyperglycemic memory in the rat bladder detrusor is associated with a persistent hypomethylated state. <i>Physiological Reports</i> , 2020, 8, e14614.	0.7	4
58	Topically delivered nitric oxide acts synergistically with an orally administered PDE5 inhibitor in eliciting an erectile response in a rat model of radical prostatectomy. <i>International Journal of Impotence Research</i> , 2022, 34, 573-580.	1.0	4
59	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> , 2019, 36, 1891-1900.	1.2	3
60	Role of opiorphin genes in prostate cancer growth and progression. <i>Future Oncology</i> , 2021, 17, 2209-2223.	1.1	3
61	Urothelial MaxiK-activity regulates mucosal and detrusor metabolism. <i>PLoS ONE</i> , 2017, 12, e0189387.	1.1	2
62	Erectile dysfunction resulting from pelvic surgery is associated with changes in cavernosal gene expression indicative of cavernous nerve injury. <i>Andrologia</i> , 2022, 54, e14247.	1.0	2
63	PROL1 is essential for xenograft tumor development in mice injected with the human prostate cancer cell-line, LNCaP, and modulates cell migration and invasion. <i>Journal of Men's Health</i> , 2021, 18, 44.	0.1	2
64	hMaxi-K Gene Transfer in Males with Erectile Dysfunction: Results of the First Human Trial. <i>Human Gene Therapy</i> , 2006, .	1.4	1
65	Inside Front Cover Image, Volume 39, Number 2, February 2020. <i>Neurourology and Urodynamics</i> , 2020, 39, ii.	0.8	0
66	hMaxi-K Gene Transfer in Males with Erectile Dysfunction: Results of the First Human Trial. <i>Human Gene Therapy</i> , 2006, .	1.4	0
67	hMaxi-K Gene Transfer in Males with Erectile Dysfunction: Results of the First Human Trial. <i>Human Gene Therapy</i> , 2006, .	1.4	0
68	Threshold gene transfer with hSlo enhances sildenafil-induced erectile responses in 2 month streptozotocin(STZ)-diabetic rats. <i>FASEB Journal</i> , 2007, 21, A420.	0.2	0