Ji-Kan Ryu

List of Publications by Citations

26 papers	416 citations	13 h-index	20 g-index
27 ext. papers	501 ext. citations	2.6 avg, IF	2.6 L-index

#	Paper	IF	Citations
26	Intracavernous delivery of a designed angiopoietin-1 variant rescues erectile function by enhancing endothelial regeneration in the streptozotocin-induced diabetic mouse. *Diabetes*, **2011**, 60, 969-80	0.9	60
25	Functional and morphologic characterizations of the diabetic mouse corpus cavernosum: comparison of a multiple low-dose and a single high-dose streptozotocin protocols. *Journal of Sexual Medicine*, **2009**, 6, 3289-304	1.1	45
24	A mouse model of cavernous nerve injury-induced erectile dysfunction: functional and morphological characterization of the corpus cavernosum. *Journal of Sexual Medicine*, **2010**, 7, 3351-64	1.1	40
23	Intracavernous delivery of synthetic angiopoietin-1 protein as a novel therapeutic strategy for erectile dysfunction in the type II diabetic db/db mouse. *Journal of Sexual Medicine*, **2010**, 7, 3635-46	1.1	35
22	Repeated intratunical injection of adenovirus expressing transforming growth factor-beta1 in a rat induces penile curvature with tunical fibrotic plaque: a useful model for the study of Peyronie's disease. *Journal of Developmental and Physical Disabilities*, **2008**, 31, 346-53		30
21	Transforming growth factor (TGF)-β type I receptor kinase (ALK5) inhibitor alleviates profibrotic TGF-β responses in fibroblasts derived from Peyronie's plaque. *Journal of Sexual Medicine*, **2010**, 7, 3385-95	1.1	27
20	The pericyte as a cellular regulator of penile erection and a novel therapeutic target for erectile dysfunction. *Scientific Reports*, **2015**, 5, 10891	4.9	23
19	Inhibition of histone deacetylase 2 mitigates profibrotic TGF-β responses in fibroblasts derived from Peyronie's plaque. *Asian Journal of Andrology*, **2013**, 15, 640-5	2.8	23
18	Matrigel-based sprouting endothelial cell culture system from mouse corpus cavernosum is potentially useful for the study of endothelial and erectile dysfunction related to high-glucose exposure. *Journal of Sexual Medicine*, **2012**, 9, 1760-72	1.1	20
17	Erectile dysfunction precedes other systemic vascular diseases due to incompetent cavernous endothelial cell-cell junctions. *Journal of Urology*, **2013**, 190, 779-89	2.5	18
16	Effect of intracavernous administration of angiopoietin-4 on erectile function in the streptozotocin-induced diabetic mouse. *Journal of Sexual Medicine*, **2013**, 10, 2912-27	1.1	15
15	Exercise training causes a partial improvement through increasing testosterone and eNOS for erectile function in middle-aged rats. *Experimental Gerontology*, **2018**, 108, 131-138	4.5	14
14	Pericyte-Derived Dickkopf2 Regenerates Damaged Penile Neurovasculature Through an Angiopoietin-1-Tie2 Pathway. *Diabetes*, **2018**, 67, 1149-1161	0.9	14
13	Designed angiopoietin-1 variant, COMP-angiopoietin-1, rescues erectile function through healthy cavernous angiogenesis in a hypercholesterolemic mouse. *Scientific Reports*, **2015**, 5, 9222	4.9	12
12	Selonsertib Inhibits Liver Fibrosis via Downregulation of ASK1/ MAPK Pathway of Hepatic Stellate Cells. *Biomolecules and Therapeutics*, **2020**, 28, 527-536	4.2	11
11	Embryonic stem cell-derived extracellular vesicle-mimetic nanovesicles rescue erectile function by enhancing penile neurovascular regeneration in the streptozotocin-induced diabetic mouse. *Scientific Reports*, **2019**, 9, 20072	4.9	8
10	Inhibition of proNGF and p75 Pathway Restores Erectile Function Through Dual Angiogenic and Neurotrophic Effects in the Diabetic Mouse. *Journal of Sexual Medicine*, **2019**, 16, 351-364	1.1	7

9	A Simple and Nonenzymatic Method to Isolate Human Corpus Cavernosum Endothelial Cells and Pericytes for the Study of Erectile Dysfunction. *World Journal of Men?s Health*, **2020**, 38, 123-131	6.8	5
8	Pericyte-Derived Extracellular Vesicle-Mimetic Nanovesicles Restore Erectile Function by Enhancing Neurovascular Regeneration in a Mouse Model of Cavernous Nerve Injury. *Journal of Sexual Medicine*, **2020**, 17, 2118-2128	1.1	3
7	Optimizing in vivo gene transfer into mouse corpus cavernosum by use of surface electroporation. *Korean Journal of Urology*, **2015**, 56, 197-204		2
6	Intracavernous delivery of Dickkopf3 gene or peptide rescues erectile function through enhanced cavernous angiogenesis in the diabetic mouse. *Andrology*, **2020**, 8, 1387-1397	4.2	1
5	Neutralizing antibody to proNGF rescues erectile function by regulating the expression of neurotrophic and angiogenic factors in a mouse model of cavernous nerve injury. *Andrology*, **2021**, 9, 329-341	4.2	1
4	Transcriptional profiling of mouse cavernous pericytes under high-glucose conditions: Implications for diabetic angiopathy. *Investigative and Clinical Urology*, **2021**, 62, 100-110	1.9	1
3	Gene expression profiling of mouse cavernous endothelial cells for diagnostic targets in diabetes-induced erectile dysfunction. *Investigative and Clinical Urology*, **2021**, 62, 90-99	1.9	1
2	RNA-sequencing profiling analysis of pericyte-derived extracellular vesicle-mimetic nanovesicles-regulated genes in primary cultured fibroblasts from normal and Peyronieæs disease penile tunica albuginea. *BMC Urology*, **2021**, 21, 103	2.2	0
1	Efficacy of Low-Intensity Extracorporeal Shock Wave Treatment in Erectile Dysfunction following Radical Prostatectomy: A Systematic Review and Meta-Analysis. *Journal of Clinical Medicine*, **2022**, 11, 2775	5.1	