

Nestor F Gonzalez-Cadavid

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76
papers

5,520
citations

43
h-index

74
g-index

78
ext. papers

5,948
ext. citations

3.5
avg, IF

5.19
L-index

| # | Paper | IF | Citations |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 76 | Androgens stimulate myogenic differentiation and inhibit adipogenesis in C3H 10T1/2 pluripotent cells through an androgen receptor-mediated pathway. <i>Endocrinology</i> , 2003, 144, 5081-8 | 4.8 | 399 |
| 75 | Myostatin inhibits cell proliferation and protein synthesis in C2C12 muscle cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 280, E221-8 | 6 | 281 |
| 74 | Glucocorticoid-induced skeletal muscle atrophy is associated with upregulation of myostatin gene expression. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 285, E363-71 | 6 | 269 |
| 73 | Lower skeletal muscle mass in male transgenic mice with muscle-specific overexpression of myostatin. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 285, E876-88 | 6 | 241 |
| 72 | The management of Peyronie's disease: evidence-based 2010 guidelines. <i>Journal of Sexual Medicine</i> , 2010, 7, 2359-74 | 1.1 | 236 |
| 71 | Vardenafil prevents fibrosis and loss of corporal smooth muscle that occurs after bilateral cavernosal nerve resection in the rat. <i>Urology</i> , 2006, 68, 429-35 | 1.6 | 182 |
| 70 | L-arginine and phosphodiesterase (PDE) inhibitors counteract fibrosis in the Peyronie's fibrotic plaque and related fibroblast cultures. <i>Nitric Oxide - Biology and Chemistry</i> , 2003, 9, 229-44 | 5 | 182 |
| 69 | Myostatin inhibits myogenesis and promotes adipogenesis in C3H 10T(1/2) mesenchymal multipotent cells. <i>Endocrinology</i> , 2005, 146, 3547-57 | 4.8 | 160 |
| 68 | Characterization of 5'-regulatory region of human myostatin gene: regulation by dexamethasone in vitro. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 281, E1128-36 | 6 | 148 |
| 67 | The mechanisms of androgen effects on body composition: mesenchymal pluripotent cell as the target of androgen action. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2003, 58, M1103-10 | 6.4 | 136 |
| 66 | Peyronie's disease: a review. <i>Journal of Urology</i> , 2003, 169, 1234-41 | 2.5 | 129 |
| 65 | Mechanisms of Disease: new insights into the cellular and molecular pathology of Peyronie's disease. <i>Nature Reviews Urology</i> , 2005, 2, 291-7 | | 126 |
| 64 | Androgen and pituitary control of penile nitric oxide synthase and erectile function in the rat. <i>Biology of Reproduction</i> , 1996, 55, 567-74 | 3.9 | 121 |
| 63 | Chronic daily tadalafil prevents the corporal fibrosis and veno-occlusive dysfunction that occurs after cavernosal nerve resection. <i>BJU International</i> , 2008, 101, 203-10 | 5.6 | 120 |
| 62 | Effect of nitric oxide on the differentiation of fibroblasts into myofibroblasts in the Peyronie's fibrotic plaque and in its rat model. <i>Nitric Oxide - Biology and Chemistry</i> , 2002, 7, 262-76 | 5 | 112 |
| 61 | Effect of muscle-derived stem cells on the restoration of corpora cavernosa smooth muscle and erectile function in the aged rat. <i>BJU International</i> , 2008, 101, 1156-64 | 5.6 | 103 |
| 60 | Myostatin is a skeletal muscle target of growth hormone anabolic action. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 5490-6 | 5.6 | 102 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 59 | Mechanisms of penile fibrosis. <i>Journal of Sexual Medicine</i> , 2009 , 6 Suppl 3, 353-62 | 1.1 | 101 |
| 58 | Effects of long-term vardenafil treatment on the development of fibrotic plaques in a rat model of Peyronie's disease. <i>BJU International</i> , 2006 , 97, 625-33 | 5.6 | 98 |
| 57 | Physiology of erectile function. <i>Journal of Sexual Medicine</i> , 2004 , 1, 254-65 | 1.1 | 96 |
| 56 | Effect of Long-term Passive Smoking on Erectile Function and Penile Nitric Oxide Synthase in the Rat. <i>Journal of Urology</i> , 1997 , 157, 1121-1126 | 2.5 | 91 |
| 55 | Restoration of normal adult penile erectile response in aged rats by long-term treatment with androgens. <i>Biology of Reproduction</i> , 1995 , 53, 1365-72 | 3.9 | 91 |
| 54 | Myostatin short interfering hairpin RNA gene transfer increases skeletal muscle mass. <i>Journal of Gene Medicine</i> , 2006 , 8, 1171-81 | 3.5 | 87 |
| 53 | Fibrosis and loss of smooth muscle in the corpora cavernosa precede corporal veno-occlusive dysfunction (CVOD) induced by experimental cavernosal nerve damage in the rat. <i>Journal of Sexual Medicine</i> , 2009 , 6, 415-28 | 1.1 | 84 |
| 52 | Cloning of a novel neuronal nitric oxide synthase expressed in penis and lower urinary tract. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 226, 145-51 | 3.4 | 82 |
| 51 | Endogenous expression and localization of myostatin and its relation to myosin heavy chain distribution in C2C12 skeletal muscle cells. <i>Journal of Cellular Physiology</i> , 2002 , 190, 170-9 | 7 | 79 |
| 50 | Aging-related induction of inducible nitric oxide synthase is vasculo-protective to the arterial media. <i>Cardiovascular Research</i> , 2004 , 61, 796-805 | 9.9 | 75 |
| 49 | Spontaneous expression of inducible nitric oxide synthase in the hypothalamus and other brain regions of aging rats. <i>Endocrinology</i> , 1998 , 139, 3254-61 | 4.8 | 74 |
| 48 | Gene transfer of inducible nitric oxide synthase complementary DNA regresses the fibrotic plaque in an animal model of Peyronie's disease. <i>Biology of Reproduction</i> , 2004 , 71, 1568-77 | 3.9 | 72 |
| 47 | Evidence that osteogenic progenitor cells in the human tunica albuginea may originate from stem cells: implications for peyronie disease. <i>Biology of Reproduction</i> , 2005 , 73, 1199-210 | 3.9 | 71 |
| 46 | Pioglitazone prevents corporal veno-occlusive dysfunction in a rat model of type 2 diabetes mellitus. <i>BJU International</i> , 2006 , 98, 116-24 | 5.6 | 68 |
| 45 | Treatment of Peyronie's disease with PDE5 inhibitors: an antifibrotic strategy. <i>Nature Reviews Urology</i> , 2010 , 7, 215-21 | 5.5 | 67 |
| 44 | Gene therapy of erectile dysfunction in the rat with penile neuronal nitric oxide synthase. <i>Biology of Reproduction</i> , 2002 , 67, 20-8 | 3.9 | 67 |
| 43 | Role of myostatin in metabolism. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2004 , 7, 451-7 | 3.8 | 67 |
| 42 | Aging-related increased expression of inducible nitric oxide synthase and cytotoxicity markers in rat hypothalamic regions associated with male reproductive function. <i>Neuroendocrinology</i> , 2001 , 74, 1-11 | 5.6 | 60 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 41 | Gene expression profiles in the Peyronie's disease plaque. <i>Urology</i> , 2002 , 59, 451-7 | 1.6 | 57 |
| 40 | Expression of penile neuronal nitric oxide synthase variants in the rat and mouse penile nerves. <i>Biology of Reproduction</i> , 2000 , 63, 704-14 | 3.9 | 54 |
| 39 | Adrenal control of erectile function and nitric oxide synthase in the rat penis. <i>Endocrinology</i> , 1997 , 138, 3925-32 | 4.8 | 51 |
| 38 | Antifibrotic effects of pioglitazone on the kidney in a rat model of type 2 diabetes mellitus. <i>Nephrology Dialysis Transplantation</i> , 2009 , 24, 2384-91 | 4.3 | 50 |
| 37 | Stimulating vaginal repair in rats through skeletal muscle-derived stem cells seeded on small intestinal submucosal scaffolds. <i>Obstetrics and Gynecology</i> , 2009 , 114, 300-309 | 4.9 | 45 |
| 36 | Antisense and short hairpin RNA (shRNA) constructs targeting PIN (Protein Inhibitor of NOS) ameliorate aging-related erectile dysfunction in the rat. <i>Journal of Sexual Medicine</i> , 2007 , 4, 633-643 | 1.1 | 45 |
| 35 | Early onset of fibrosis within the arterial media in a rat model of type 2 diabetes mellitus with erectile dysfunction. <i>BJU International</i> , 2009 , 103, 1396-404 | 5.6 | 44 |
| 34 | Myostatin promotes a fibrotic phenotypic switch in multipotent C3H 10T1/2 cells without affecting their differentiation into myofibroblasts. <i>Journal of Endocrinology</i> , 2008 , 196, 235-49 | 4.7 | 43 |
| 33 | Profibrotic role of myostatin in Peyronie's disease. <i>Journal of Sexual Medicine</i> , 2008 , 5, 1607-22 | 1.1 | 41 |
| 32 | Peyronie's disease associated with increase in plasminogen activator inhibitor in fibrotic plaque. <i>Urology</i> , 2005 , 65, 645-8 | 1.6 | 40 |
| 31 | Gene therapy of erectile dysfunction in the rat with penile neuronal nitric oxide synthase. <i>Biology of Reproduction</i> , 2002 , 67, 1033-41 | 3.9 | 38 |
| 30 | Aging related erectile dysfunction-potential mechanism to halt or delay its onset. <i>Translational Andrology and Urology</i> , 2017 , 6, 20-27 | 2.3 | 37 |
| 29 | Basic Science Evidence for the Link Between Erectile Dysfunction and Cardiometabolic Dysfunction. <i>Journal of Sexual Medicine</i> , 2015 , 12, 2233-55 | 1.1 | 36 |
| 28 | The genetic inactivation of inducible nitric oxide synthase (iNOS) intensifies fibrosis and oxidative stress in the penile corpora cavernosa in type 1 diabetes. <i>Journal of Sexual Medicine</i> , 2010 , 7, 3033-44 | 1.1 | 35 |
| 27 | Translational Perspective on the Role of Testosterone in Sexual Function and Dysfunction. <i>Journal of Sexual Medicine</i> , 2016 , 13, 1183-98 | 1.1 | 34 |
| 26 | Experimental models of Peyronie's disease. Implications for new therapies. <i>Journal of Sexual Medicine</i> , 2009 , 6, 303-13 | 1.1 | 34 |
| 25 | Antifibrotic effects of pioglitazone at low doses on the diabetic rat kidney are associated with the improvement of markers of cell turnover, tubular and endothelial integrity, and angiogenesis. <i>Kidney and Blood Pressure Research</i> , 2011 , 34, 20-33 | 3.1 | 32 |
| 24 | Spontaneous Expression of Inducible Nitric Oxide Synthase in the Hypothalamus and Other Brain Regions of Aging Rats | | 32 |

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| 23 | Separate or combined treatments with daily sildenafil, molsidomine, or muscle-derived stem cells prevent erectile dysfunction in a rat model of cavernosal nerve damage. <i>Journal of Sexual Medicine</i> , 2012 , 9, 2814-26 | 1.1 | 31 |
| 22 | Phosphodiesterase type 5 is not upregulated by tadalafil in cultures of human penile cells. <i>Journal of Sexual Medicine</i> , 2006 , 3, 84-94; discussion 94-5 | 1.1 | 28 |
| 21 | Increased vaginal oxidative stress, apoptosis, and inducible nitric oxide synthase in a diabetic rat model: implications for vaginal fibrosis. <i>Fertility and Sterility</i> , 2006 , 86, 1152-63 | 4.8 | 23 |
| 20 | Myostatin genetic inactivation inhibits myogenesis by muscle-derived stem cells in vitro but not when implanted in the mdx mouse muscle. <i>Stem Cell Research and Therapy</i> , 2013 , 4, 4 | 8.3 | 19 |
| 19 | Therapy of erectile dysfunction: potential future treatments. <i>Endocrine</i> , 2004 , 23, 167-76 | | 19 |
| 18 | Ageing-related corpora veno-occlusive dysfunction in the rat is ameliorated by pioglitazone. <i>BJU International</i> , 2007 , 100, 867-74 | 5.6 | 17 |
| 17 | New discoveries in the basic science understanding of Peyronie's disease. <i>Current Urology Reports</i> , 2004 , 5, 478-84 | 2.9 | 16 |
| 16 | Penile neuronal nitric oxide synthase and its regulatory proteins are present in hypothalamic and spinal cord regions involved in the control of penile erection. <i>Journal of Comparative Neurology</i> , 2003 , 458, 46-61 | 3.4 | 15 |
| 15 | Implanted Muscle-Derived Stem Cells Ameliorate Erectile Dysfunction in a Rat Model of Type 2 Diabetes, but Their Repair Capacity Is Impaired by Their Prior Exposure to the Diabetic Milieu. <i>Journal of Sexual Medicine</i> , 2016 , 13, 786-97 | 1.1 | 14 |
| 14 | The transcriptional signatures of cells from the human Peyronie's disease plaque and the ability of these cells to generate a plaque in a rat model suggest potential therapeutic targets. <i>Journal of Sexual Medicine</i> , 2015 , 12, 313-27 | 1.1 | 13 |
| 13 | Effects of sildenafil and/or muscle derived stem cells on myocardial infarction. <i>Journal of Translational Medicine</i> , 2012 , 10, 159 | 8.5 | 13 |
| 12 | Long-term exposure of MCF-7 breast cancer cells to ethanol stimulates oncogenic features. <i>International Journal of Oncology</i> , 2017 , 50, 49-65 | 4.4 | 12 |
| 11 | Amelioration of diabetes-induced cavernosal fibrosis by antioxidant and anti-transforming growth factor-β therapies in inducible nitric oxide synthase-deficient mice. <i>BJU International</i> , 2012 , 109, 586-93 | 5.6 | 12 |
| 10 | Adrenal Control of Erectile Function and Nitric Oxide Synthase in the Rat Penis | | 11 |
| 9 | Long-term exposure of MCF-12A normal human breast epithelial cells to ethanol induces epithelial-mesenchymal transition and oncogenic features. <i>International Journal of Oncology</i> , 2016 , 48, 2399-414 | 4.4 | 11 |
| 8 | Chronic high dose intraperitoneal bisphenol A (BPA) induces substantial histological and gene expression alterations in rat penile tissue without impairing erectile function. <i>Journal of Sexual Medicine</i> , 2013 , 10, 2952-66 | 1.1 | 10 |
| 7 | Effect of cryptorchidism on testicular histology in a naturally cryptorchid animal model. <i>Journal of Urology</i> , 1997 , 158, 1978-82 | 2.5 | 10 |
| 6 | CHARACTERIZATION OF ENDOGENOUS STEM CELLS FROM THE MOUSE PENIS THAT EXPRESS AN EMBRYONIC STEM CELL GENE AND UNDERGO DIFFERENTIATION INTO SEVERAL CELL LINEAGES. <i>Journal of Urology</i> , 2009 , 181, 43-43 | 2.5 | 7 |

- 5 Dyslipidemia Is a Major Factor in Stem Cell Damage Induced by Uncontrolled Long-Term Type 2 Diabetes and Obesity in the Rat, as Suggested by the Effects on Stem Cell Culture. *Journal of Sexual Medicine*, **2018**, 15, 1678-1697 1.1 7
- 4 Stem Cells from a Female Rat Model of Type 2 Diabetes/Obesity and Stress Urinary Incontinence Are Damaged by In Vitro Exposure to its Dyslipidemic Serum, Predicting Inadequate Repair Capacity In Vivo. *International Journal of Molecular Sciences*, **2019**, 20, 6.3 2
- 3 Experimental Models for the Study of the Cellular and Molecular Pathophysiology of Peyronie's Disease **2007**, 19-38 2
- 2 1420: Detrimental Effect of Cigarette Smoking on Erectile Dysfunction in the Rat is Contingent to Diabetes as Co-Morbidity. *Journal of Urology*, **2004**, 171, 374-374 2.5 2
- 1 Gene Therapy for Erectile Dysfunction **2006**, 467-483