Rodolfo G Goya

List of Publications by Year
in descending order

96 papers	1,834 citations	304743 22 h-index	330143 37 g-index
99 all docs	99 docs citations	99 times ranked	1644 citing authors

#	Article	IF	Citations
1	Involvement of bone morphogenetic protein 4 (BMP-4) in pituitary prolactinoma pathogenesis through a Smad/estrogen receptor crosstalk. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1034-1039.	7.1	171
2	Why the neuroendocrine system is important in aging processes. Experimental Gerontology, 1987, 22, 1-15.	2.8	98
3	Growth Hormone Secretory Patterns in Young, Middle-Aged and Old Female Rats. Neuroendocrinology, 1987, 46, 137-142.	2.5	85
4	In vivo effects of growth hormone on thymus function in aging mice. Brain, Behavior, and Immunity, 1992, 6, 341-354.	4.1	81
5	Hormonal modulation of antioxidant enzyme activities in young and old rats. Experimental Gerontology, 1995, 30, 169-175.	2.8	73
6	Insulinâ€like growth factorâ€I gene therapy increases hippocampal neurogenesis, astrocyte branching and improves spatial memory in female aging rats. European Journal of Neuroscience, 2016, 44, 2120-2128.	2.6	69
7	Magnetic Field-Assisted Gene Delivery: Achievements and Therapeutic Potential. Current Gene Therapy, 2012, 12, 116-126.	2.0	58
8	Gonadal function in aging rats and its relation to pituitary and mammary pathology. Mechanisms of Ageing and Development, 1990, 56, 77-88.	4.6	49
9	Cognitive impairment and morphological changes in the dorsal hippocampus of very old female rats. Neuroscience, 2015, 303, 189-199.	2.3	48
10	Expression of Transgenes in Normal and Neoplastic Anterior Pituitary Cells Using Recombinant Adenoviruses: Long Term Expression, Cell Cycle Dependency, and Effects on Hormone Secretion*. Endocrinology, 1997, 138, 2184-2194.	2.8	47
11	Homeostatic Thymus Hormone Stimulates Corticosterone Secretion in a Dose- and Age-Dependent Manner in Rats. Neuroendocrinology, 1990, 51, 59-63.	2.5	36
12	Differential effect of homeostatic thymus hormone on plasma thyrotropin and growth hormone in young and old rats. Mechanisms of Ageing and Development, 1989, 49, 119-128.	4.6	31
13	The Thymusâ€"Neuroendocrine Axis. Annals of the New York Academy of Sciences, 2009, 1153, 98-106.	3.8	28
14	Therapeutic potential of IGF-I on hippocampal neurogenesis and function during aging. Neurogenesis (Austin, Tex), 2017, 4, e1259709.	1.5	28
15	The Immune-Neuroendocrine Homeostatic Network and Aging. Gerontology, 1991, 37, 208-213.	2.8	27
16	Quantitative Immunohistochemical Changes in the Endocrine Pancreas of Nonobese Diabetic (NOD) Mice. Pancreas, 1995, 11, 396-401.	1.1	27
17	The Thymus-Pituitary Axis and Its Changes during Aging. NeuroImmunoModulation, 1999, 6, 137-142.	1.8	27
18	Thymulin gene therapy prevents the reduction in circulating gonadotropins induced by thymulin deficiency in mice. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E182-E187.	3.5	26

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19	Differential Activity of Thymosin Peptides (Thymosin Fraction 5) on Plasma Thyrotropin in Female Rats of Different Ages. Neuroendocrinology, 1988, 47, 379-383.	2.5	25
20	Regional research priorities in brain and nervous system disorders. Nature, 2015, 527, S198-S206.	27.8	25
21	Use of recombinant herpes simplex virus type 1 vectors for gene transfer into tumour and normal anterior pituitary cells. Molecular and Cellular Endocrinology, 1998, 139, 199-207.	3.2	24
22	Immune-neuroendocrine interactions during aging: Age-dependent thyrotropin-inhibiting activity of thymosin peptides. Mechanisms of Ageing and Development, 1987, 41, 219-227.	4.6	23
23	Effects of Growth Hormone and Thyroxine on Thymulin Secretion in Aging Rats. Neuroendocrinology, 1993, 58, 338-343.	2.5	23
24	Cell reprogramming: Therapeutic potential and the promise of rejuvenation for the aging brain. Ageing Research Reviews, 2017, 40, 168-181.	10.9	23
25	Effects of underfeeding and refeeding on GH and thyroid hormone secretion in young, middle-aged, and old rats. Experimental Gerontology, 1990, 25, 447-457.	2.8	22
26	Estrogen inhibits tuberoinfundibular dopaminergic neurons but does not cause irreversible damage. Brain Research Bulletin, 2009, 80, 347-352.	3.0	22
27	Homeostasis, Thymic Hormones and Aging. Gerontology, 1999, 45, 174-178.	2.8	21
28	Identification of a conserved gene signature associated with an exacerbated inflammatory environment in the hippocampus of aging rats. Hippocampus, 2017, 27, 435-449.	1.9	21
29	Diminished Diurnal Secretion of Corticosterone in Aging Female but Not Male Rats. Gerontology, 1989, 35, 181-187.	2.8	19
30	Stress-Induced Gene Expression Sensing Intracellular Heating Triggered by Magnetic Hyperthermia. Journal of Physical Chemistry C, 2016, 120, 7339-7348.	3.1	19
31	Thymulin and the neuroendocrine system. Peptides, 2004, 25, 139-142.	2.4	18
32	Thymulin stimulates prolactin and thyrotropin release in an age-related manner. Mechanisms of Ageing and Development, 1998, 104, 249-262.	4.6	17
33	The Emerging View of Aging as a Reversible Epigenetic Process. Gerontology, 2017, 63, 426-431.	2.8	16
34	Rejuvenation by cell reprogramming: a new horizon in gerontology. Stem Cell Research and Therapy, 2018, 9, 349.	5.5	16
35	A comparison between hormone levels and T lymphocyte function in young and old rats. Mechanisms of Ageing and Development, 1991, 61, 275-285.	4.6	15
36	Effect of the Corticotrophin Releasing Hormone Precursor on Interleukin-6 Release by Human Mononuclear Cells. Clinical Immunology and Immunopathology, 1997, 85, 35-39.	2.0	15

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37	Altered Functional Responses with Preserved Morphology of Gonadotrophic Cells in Congenitally Athymic Mice. Brain, Behavior, and Immunity, 2001, 15, 85-92.	4.1	15
38	Hypothalamic IGF-I Gene Therapy Prolongs Estrous Cyclicity and Protects Ovarian Structure in Middle-Aged Female Rats. Endocrinology, 2013, 154, 2166-2173.	2.8	15
39	Gene Therapy and Cell Reprogramming For the Aging Brain: Achievements and Promise. Current Gene Therapy, 2014, 14, 24-34.	2.0	15
40	Changes in somatotropin and thyrotropin secretory patterns in aging rats. Neurobiology of Aging, 1990, 11, 625-630.	3.1	14
41	IGF-I Gene Therapy in Aging Rats Modulates Hippocampal Genes Relevant to Memory Function. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 459-467.	3.6	14
42	Relationship between pituitary hormones, antioxidant enzymes, and histopathological changes in the mammary gland of senescent rats. Experimental Gerontology, 1997, 32, 297-304.	2.8	13
43	Glucocorticoid-induced apoptosis in lymphoid organs is associated with a delayed increase in circulating deoxyribonucleic acid. Apoptosis: an International Journal on Programmed Cell Death, 2003, 8, 171-177.	4.9	13
44	A Rat Treated with Mesenchymal Stem Cells Lives to 44 Months of Age. Rejuvenation Research, 2016, 19, 318-321.	1.8	13
45	Changes in circulating levels of neuroendocrine and thymic hormones during aging in rats: A correlation study. Experimental Gerontology, 1990, 25, 149-157.	2.8	12
46	Thymus and Aging: Potential of Gene Therapy for Restoration of Endocrine Thymic Function in Thymus-Deficient Animal Models. Gerontology, 2002, 48, 325-328.	2.8	12
47	Role of Programmed Cell Death in the Aging Process: An Unexplored Possibility. Gerontology, 1986, 32, 37-42.	2.8	11
48	Thymosin Peptides Stimulate Corticotropin Release by a Calcium-Dependent Mechanism. Neuroendocrinology, 1993, 57, 230-235.	2.5	11
49	Potential of Gene Therapy for the Treatment of Pituitary Tumors. Current Gene Therapy, 2004, 4, 79-87.	2.0	11
50	A Putative Mechanism of Age-Related Synaptic Dysfunction Based on the Impact of IGF-1 Receptor Signaling on Synaptic CaMKIIÎ± Phosphorylation. Frontiers in Neuroanatomy, 2018, 12, 35.	1.7	11
51	Umbilical Cord Cell Therapy Improves Spatial Memory in Aging Rats. Stem Cell Reviews and Reports, 2019, 15, 612-617.	5.6	11
52	Physiology and Therapeutic Potential of the Thymic Peptide Thymulin. Current Pharmaceutical Design, 2014, 20, 4690-4696.	1.9	11
53	Partial Reprogramming As An Emerging Strategy for Safe Induced Cell Generation and Rejuvenation. Current Gene Therapy, 2019, 19, 248-254.	2.0	10
54	Impact of aging on the morphology and function of the somatotroph cell population in rats. Mechanisms of Ageing and Development, 1993, 70, 45-51.	4.6	9

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55	Histones and related preparations interfere with immunoassays for peptide hormones. Peptides, 1993, 14, 777-781.	2.4	9
56	Reduced ability of hypothalamic and pituitary extracts from old mice to stimulate thymulin secretion in vitro. Mechanisms of Ageing and Development, 1995, 83, 143-154.	4.6	9
57	Increased Number of Neurons in the Cervical Spinal Cord of Aged Female Rats. PLoS ONE, 2011, 6, e22537.	2.5	9
58	Racemized and Isomerized Proteins in Aging Rat Teeth and Eye Lens. Rejuvenation Research, 2016, 19, 309-317.	1.8	9
59	Aging and rejuvenation - a modular epigenome model. Aging, 2021, 13, 4734-4746.	3.1	9
60	In Vitro Studies on the Thymus-Pituitary Axis in Young and Old Rats. Annals of the New York Academy of Sciences, 1994, 741, 108-114.	3.8	9
61	Peripheral and mesencephalic transfer of a synthetic gene for the thymic peptide thymulin. Brain Research Bulletin, 2006, 69, 647-651.	3.0	8
62	Morphometric Assessment of the Impact of Serum Thymulin Immunoneutralization on Pituitary Cell Populations in Peripubertal Mice. Cells Tissues Organs, 2006, 184, 23-30.	2.3	8
63	Changes in carbohydrate expression in the cervical spinal cord of rats during aging. Neuropathology, 2009, 29, 258-262.	1.2	8
64	Effects of Post-Weaning Malnutrition on the Weight of the Head Components in Rats. Cells Tissues Organs, 1983, 115, 231-237.	2.3	7
65	Gene Therapy in the Neuroendocrine System: Its Implementation in Experimental Models Using Viral Vectors. Neuroendocrinology, 2001, 73, 75-83.	2.5	7
66	The Neuroendocrine System as a Model to Evaluate Experimental Gene Therapy. Current Gene Therapy, 2006, 6, 125-129.	2.0	7
67	Regulatable adenovector harboring the GFP and Yamanaka genes for implementing regenerative medicine in the brain. Gene Therapy, 2019, 26, 432-440.	4.5	7
68	Insulin-like growth factor-I gene therapy reverses morphologic changes and reduces hyperprolactinemia in experimental rat prolactinomas. Molecular Cancer, 2008, 7, 13.	19.2	6
69	Effect of Insulin-Like Growth Factor-I Gene Therapy on the Somatotropic Axis in Experimental Prolactinomas. Cells Tissues Organs, 2009, 190, 20-26.	2.3	6
70	Thymulin Gene Therapy Prevents the Histomorphometric Changes Induced by Thymulin Deficiency in the Thyrotrope Population of Mice. Cells Tissues Organs, 2011, 194, 67-75.	2.3	6
71	Thymulin-Based Gene Therapy and Pituitary Function in Animal Models of Aging. NeuroImmunoModulation, 2011, 18, 350-356.	1.8	6
72	Mesenchymal stem cell therapy improves spatial memory and hippocampal structure in aging rats. Behavioural Brain Research, 2019, 374, 111887.	2.2	6

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73	Thyrotropin-Releasing Activity of Histone H2A, H2B and Peptide MB35. Peptides, 1997, 18, 1315-1319.	2.4	5
74	Studies on the prolactin-releasing mechanism of histones H2A and H2B. Life Sciences, 2000, 66, 2081-2089.	4.3	5
75	Neuroendocrinology of Aging: The Potential of Gene Therapy as an Interventive Strategy. Gerontology, 2001, 47, 168-173.	2.8	5
76	Rejuvenating Effect of Long-Term Insulin-Like Growth Factor-I Gene Therapy in the Hypothalamus of Aged Rats with Dopaminergic Dysfunction. Rejuvenation Research, 2018, 21, 102-108.	1.8	5
77	A HIERARCHICAL MODEL FOR THE CONTROL OF EPIGENETIC AGING IN MAMMALS. Ageing Research Reviews, 2020, 62, 101134.	10.9	5
78	Half-life of plasma growth hormone in young and old conscious female rats. Experimental Gerontology, 1987, 22, 27-36.	2.8	4
79	Studies on in vivo gene transfer in pituitary tumors using herpes-derived and adenoviral vectors. Brain Research Bulletin, 2005, 65, 17-22.	3.0	4
80	Gene therapy for the treatment of pituitary tumors. Expert Review of Endocrinology and Metabolism, 2009, 4, 359-370.	2.4	4
81	Therapeutic potential of glial cell line-derived neurotrophic factor and cell reprogramming for hippocampal-related neurological disorders. Neural Regeneration Research, 2022, 17, 469.	3.0	4
82	Hypophysotropic activity of histone H3 in vitro. Peptides, 2003, 24, 671-678.	2.4	3
83	Partial prevention of hepatic lipid alterations in nude mice by neonatal thymulin gene therapy. Lipids, 2006, 41, 753-757.	1.7	3
84	Potential of Gene Therapy for Restoration of Endocrine Thymic Function in Thymus-Deficient Animal Models. Current Gene Therapy, 2008, 8, 49-53.	2.0	3
85	A regulatable adenovector system for GDNF and GFP delivery in the rat hippocampus. Neuropeptides, 2020, 83, 102072.	2.2	3
86	Cryopreservation of a Human Brain and Its Experimental Correlate in Rats. Rejuvenation Research, 2020, 23, 516-525.	1.8	3
87	Age changes in the activity of liver 3-hydroxy-3-methylglutarylâ€“CoA reductase in female rats: influence of mammary pathology. Mechanisms of Ageing and Development, 1998, 100, 41-51.	4.6	2
88	Changes in chromatin composition associated with hormone-dependent mammary tumor regression. International Journal of Cancer, 1983, 31, 281-284.	5.1	1
89	Degradation of immunoreactive albumin in young and old conscious female rats. Mechanisms of Ageing and Development, 1986, 37, 69-78.	4.6	1
90	Age-dependent prolactin-releasing activity of nucleoproteins. Mechanisms of Ageing and Development, 1996, 89, 103-111.	4.6	1

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91	Morphological Changes Induced by Insulin-Like Growth Factor-I Gene Therapy in Pituitary Cell Populations in Experimental Prolactinomas. Cells Tissues Organs, 2010, 191, 316-325.	2.3	1
92	Role of thymulin on the somatotropic axis in vivo. Life Sciences, 2012, 91, 166-171.	4.3	1
93	The Thymulin-Lactotropic Axis in Rodents: Thymectomy, Immunoneutralization and Gene Transfer Studies. NeuroImmunoModulation, 2013, 20, 256-263.	1.8	1
94	A new adenovector system for implementing thymulin gene therapy for inflammatory disorders. Molecular Immunology, 2017, 87, 180-187.	2.2	1
95	IGF-1 Gene Therapy as a Potentially Useful Therapy for Spontaneous Prolactinomas in Senile Rats. Current Gene Therapy, 2018, 18, 240-245.	2.0	1
96	Protective effect of estrogens on the brain of rats with essential and endocrine hypertension. Hormone Molecular Biology and Clinical Investigation, 2010, 4, 549-57.	0.7	0