Vasilios Papadopoulos

List of Publications by Year
in descending order

388	23,497	7096	11308
papers	citations	78 h-index	136 g-index

391	391	391	15365
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Translocator protein (18kDa): new nomenclature for the peripheral-type benzodiazepine receptor based on its structure and molecular function. Trends in Pharmacological Sciences, 2006, 27, 402-409.	8.7	1,237
2	Translocator protein (18 kDa) (TSPO) as a therapeutic target for neurological and psychiatric disorders. Nature Reviews Drug Discovery, 2010, 9, 971-988.	46.4	774
3	Peripheral-Type Benzodiazepine Receptor Function in Cholesterol Transport. Identification of a Putative Cholesterol Recognition/Interaction Amino Acid Sequence and Consensus Pattern¹. Endocrinology, 1998, 139, 4991-4997.	2.8	534
4	Leydig cells: formation, function, and regulationâ€. Biology of Reproduction, 2018, 99, 101-111.	2.7	370
5	Peripheral benzodiazepine receptor in cholesterol transport and steroidogenesis. Steroids, 1997, 62, 21-28.	1.8	348
6	Steroid production in the thymus: implications for thymocyte selection.. Journal of Experimental Medicine, 1994, 179, 1835-1846.	8.5	340
7	Peripheral-type benzodiazepine receptor: structure and function of a cholesterol-binding protein in steroid and bile acid biosynthesis. Steroids, 2003, 68, 569-585.	1.8	311
8	The peripheral-type benzodiazepine receptor is functionally linked to Leydig cell steroidogenesis.. Journal of Biological Chemistry, 1990, 265, 3772-3779.	3.4	311
9	Peripheral-type benzodiazepine receptors mediate translocation of cholesterol from outer to inner mitochondrial membranes in adrenocortical cells.. Journal of Biological Chemistry, 1990, 265, 15015-15022.	3.4	309
10	Peripheral-Type Benzodiazepine/Diazepam Binding Inhibitor Receptor: Biological Role in Steroidogenic Cell Function*. Endocrine Reviews, 1993, 14, 222-240.	20.1	296
11	Cholesterol transport in steroid biosynthesis: Role of proteinâ€“protein interactions and implications in disease states. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2009, 1791, 646-658.	2.4	294
12	Cholesterol binding at the cholesterol recognition/ interaction amino acid consensus (CRAC) of the peripheral-type benzodiazepine receptor and inhibition of steroidogenesis by an HIV TAT-CRAC peptide. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 1267-1272.	7.1	289
13	Neuroprotective effects of green and black teas and their catechin gallate esters against Î²â€amyloidâ€induced toxicity. European Journal of Neuroscience, 2006, 23, 55-64.	2.6	276
14	The peripheral-type benzodiazepine receptor is functionally linked to Leydig cell steroidogenesis. Journal of Biological Chemistry, 1990, 265, 3772-9.	3.4	268
15	Peripheral-type benzodiazepine receptors mediate translocation of cholesterol from outer to inner mitochondrial membranes in adrenocortical cells. Journal of Biological Chemistry, 1990, 265, 15015-22.	3.4	252
16	In search of rat stem Leydig cells: Identification, isolation, and lineage-specific development. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2719-2724.	7.1	246
17	NMDA Receptor-Nitric Oxide Transmission Mediates Neuronal Iron Homeostasis via the GTPase Dexras1. Neuron, 2006, 51, 431-440.	8.1	240
18	Channel-Like Functions of the 18-kDa Translocator Protein (TSPO): Regulation of Apoptosis and Steroidogenesis as Part of the Host-Defense Response. Current Pharmaceutical Design, 2007, 13, 2385-2405.	1.9	238

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19	Regulation of translocator protein 18kDa (TSPO) expression in health and disease statesâ˜†. Molecular and Cellular Endocrinology, 2010, 327, 1-12.	3.2	237
20	Mitochondrial benzodiazepine receptors regulate steroid biosynthesis.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 9813-9816.	7.1	226
21	Pregnenolone biosynthesis in C6-2B glioma cell mitochondria: regulation by a mitochondrial diazepam binding inhibitor receptor.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 5113-5117.	7.1	220
22	Peripheral-type benzodiazepine receptor (PBR) in human breast cancer: correlation of breast cancer cell aggressive phenotype with PBR expression, nuclear localization, and PBR-mediated cell proliferation and nuclear transport of cholesterol. Cancer Research, 1999, 59, 831-42.	0.9	220
23	Peripheral-Type Benzodiazepine Receptor-Mediated Action of Steroidogenic Acute Regulatory Protein on Cholesterol Entry into Leydig Cell Mitochondria. Molecular Endocrinology, 2005, 19, 540-554.	3.7	218
24	Identification of a Dynamic Mitochondrial Protein Complex Driving Cholesterol Import, Trafficking, and Metabolism to Steroid Hormones. Molecular Endocrinology, 2012, 26, 1868-1882.	3.7	211
25	Peripheral-type benzodiazepine receptor in neurosteroid biosynthesis, neuropathology and neurological disorders. Neuroscience, 2006, 138, 749-756.	2.3	208
26	Characterization of the Cholesterol Recognition Amino Acid Consensus Sequence of the Peripheral-Type Benzodiazepine Receptor. Molecular Endocrinology, 2005, 19, 588-594.	3.7	206
27	Protein-Protein Interactions Mediate Mitochondrial Cholesterol Transport and Steroid Biosynthesis. Journal of Biological Chemistry, 2006, 281, 38879-38893.	3.4	206
28	The role of the 14-3-3 protein family in health, disease, and drug development. Drug Discovery Today, 2016, 21, 278-287.	6.4	206
29	Diazepam Binding Inhibitor and Its Processing Products Stimulate Mitochondrial Steroid Biosynthesis via an Interaction with Mitochondrial Benzodiazepine Receptors[*]. Endocrinology, 1991, 129, 1481-1488.	2.8	205
30	Targeted Disruption of the Peripheral-type Benzodiazepine Receptor Gene Inhibits Steroidogenesis in the R2C Leydig Tumor Cell Line. Journal of Biological Chemistry, 1997, 272, 32129-32135.	3.4	201
31	Role of mitochondria in steroidogenesis. Best Practice and Research in Clinical Endocrinology and Metabolism, 2012, 26, 771-790.	4.7	199
32	Ginkgo biloba extracts and cancer: a research area in its infancy. Fundamental and Clinical Pharmacology, 2003, 17, 405-417.	1.9	194
33	Regulation of Rat Testis Gonocyte Proliferation by Platelet-Derived Growth Factor and Estradiol: Identification of Signaling Mechanisms Involved*. Endocrinology, 1997, 138, 1289-1298.	2.8	187
34	The Ginkgo biloba extract EGb 761 rescues the PC12 neuronal cells from Î²-amyloid-induced cell death by inhibiting the formation of Î²-amyloid-derived diffusible neurotoxic ligands. Brain Research, 2001, 889, 181-190.	2.2	179
35	Leydig cell aging and the mechanisms of reduced testosterone synthesis. Molecular and Cellular Endocrinology, 2009, 299, 23-31.	3.2	164
36	In Vivo and in Vitro Peripheral-Type Benzodiazepine Receptor Polymerization:â€‰ Functional Significance in Drug Ligand and Cholesterol Binding. Biochemistry, 2003, 42, 4506-4519.	2.5	163

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37	Structural and Functional Study of Reconstituted Peripheral Benzodiazepine Receptor. Biochemical and Biophysical Research Communications, 2001, 284, 536-541.	2.1	151
38	Translocator protein (18ÂkDa) TSPO: An emerging therapeutic target in neurotrauma. Experimental Neurology, 2009, 219, 53-57.	4.1	147
39	Cholesterol binding at the cholesterol recognition/ interaction amino acid consensus (CRAC) of the peripheral-type benzodiazepine receptor and inhibition of steroidogenesis by an HIV TAT-CRAC peptide. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 1267-1272.	7.1	146
40	Identification of a stimulator of steroid hormone synthesis isolated from testis. Science, 1995, 268, 1609-1612.	12.6	141
41	Effect of Peroxisome Proliferators on Leydig Cell Peripheral-Type Benzodiazepine Receptor Gene Expression, Hormone-Stimulated Cholesterol Transport, and Steroidogenesis: Role of the Peroxisome Proliferator-Activator Receptor Î±. Endocrinology, 2002, 143, 2571-2583.	2.8	141
42	In Utero Exposure to Di-(2-ethylhexyl) Phthalate Exerts Both Short-Term and Long-Lasting Suppressive Effects on Testosterone Production in the Rat1. Biology of Reproduction, 2008, 78, 1018-1028.	2.7	137
43	Alzheimer's disease: Effects of Î²-amyloid on mitochondria. Mitochondrion, 2011, 11, 13-21.	3.4	123
44	Diazepam binding inhibitor is a paracrine/autocrine regulator of Leydig cell proliferation and steroidogenesis: action via peripheral-type benzodiazepine receptor and independent mechanisms.. Endocrinology, 1993, 132, 444-458.	2.8	122
45	Identification, Localization, and Function in Steroidogenesis of PAP7: A Peripheral-Type Benzodiazepine Receptor- and PKA (RIÎ±)-Associated Protein. Molecular Endocrinology, 2001, 15, 2211-2228.	3.7	121
46	Fetal origin of endocrine dysfunction in the adult: The phthalate model. Journal of Steroid Biochemistry and Molecular Biology, 2013, 137, 5-17.	2.5	116
47	Acyl-coenzyme A binding domain containing 3 (ACBD3; PAP7; GCP60): An emerging signaling molecule. Progress in Lipid Research, 2010, 49, 218-234.	11.6	115
48	Conditional steroidogenic cell-targeted deletion of TSPO unveils a crucial role in viability and hormone-dependent steroid formation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7261-7266.	7.1	115
49	2-Aryl-3-indoleacetamides (FGIN-1): a new class of potent and specific ligands for the mitochondrial DBI receptor (MDR). Journal of Pharmacology and Experimental Therapeutics, 1992, 262, 971-8.	2.5	114
50	Expression of Peripheral Benzodiazepine Receptor (PBR) in Human Tumors: Relationship to Breast, Colorectal, and Prostate Tumor Progression. Journal of Receptor and Signal Transduction Research, 2003, 23, 225-238.	2.5	113
51	Mitochondria-Associated Membrane Formation in Hormone-Stimulated Leydig Cell Steroidogenesis: Role of ATAD3. Endocrinology, 2015, 156, 334-345.	2.8	111
52	In vitro studies on the role of the peripheral-type benzodiazepine receptor in steroidogenesis. Journal of Steroid Biochemistry and Molecular Biology, 1999, 69, 123-130.	2.5	110
53	In vitro reconstitution of a functional peripheral-type benzodiazepine receptor from mouse Leydig tumor cells. Molecular Pharmacology, 1994, 45, 201-11.	2.3	110
54	Function of Î²â€amyloid in cholesterol transport: a lead to neurotoxicity. FASEB Journal, 2002, 16, 1677-1679.	0.5	109

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55	Mitochondrial Benzodiazepine Receptors and the Regulation of Steroid Biosynthesis. Annual Review of Pharmacology and Toxicology, 1992, 32, 211-237.	9.4	108
56	Rat testis 17Î²-estradiol: Identification by gas chromatography-mass spectrometry and age related cellular distribution. The Journal of Steroid Biochemistry, 1986, 24, 1211-1216.	1.1	107
57	Is there a mitochondrial signaling complex facilitating cholesterol import?. Molecular and Cellular Endocrinology, 2007, 265-266, 59-64.	3.2	107
58	Peripheral-type benzodiazepine receptor overexpression and knockdown in human breast cancer cells indicate its prominent role in tumor cell proliferation. Biochemical Pharmacology, 2007, 73, 491-503.	4.4	106
59	Hormone-stimulated steroidogenesis is coupled to mitochondrial benzodiazepine receptors. Tropic hormone action on steroid biosynthesis is inhibited by flunitrazepam. Journal of Biological Chemistry, 1991, 266, 3682-3687.	3.4	106
60	Translocator protein-mediated pharmacology of cholesterol transport and steroidogenesis. Molecular and Cellular Endocrinology, 2015, 408, 90-98.	3.2	103
61	In vivo regulation of peripheral-type benzodiazepine receptor and glucocorticoid synthesis by Ginkgo biloba extract EGb 761 and isolated ginkgolides.. Endocrinology, 1996, 137, 5707-5718.	2.8	102
62	Pathways of Neurosteroid Biosynthesis in Cell Lines from Human Brain. Journal of Neurochemistry, 2001, 74, 847-859.	3.9	102
63	Peripheral-type benzodiazepine receptor (PBR) and PBR drug ligands in fibroblast and fibrosarcoma cell proliferation: role of ERK, c-Jun and ligand-activated PBR-independent pathways. Biochemical Pharmacology, 2004, 67, 1927-1932.	4.4	102
64	Endozepine/diazepam binding inhibitor in adrenocortical and Leydig cell lines: Absence of hormonal regulation. Molecular and Cellular Endocrinology, 1992, 83, 1-9.	3.2	101
65	The peripheral-type benzodiazepine receptor is involved in control of Ca2+-induced permeability transition pore opening in rat brain mitochondria. Cell Calcium, 2007, 42, 27-39.	2.4	98
66	Ginkgo biloba extract (Egb 761) inhibits Î²-amyloid production by lowering free cholesterol levels. Journal of Nutritional Biochemistry, 2004, 15, 749-756.	4.2	97
67	In UteroExposure to Di-(2-Ethylhexyl) Phthalate Decreases Mineralocorticoid Receptor Expression in the Adult Testis. Endocrinology, 2009, 150, 5575-5585.	2.8	97
68	Role of the peripheral-type benzodiazepine receptor and the polypeptide diazepam binding inhibitor in steroidogenesis. Journal of Steroid Biochemistry and Molecular Biology, 1995, 53, 103-110.	2.5	96
69	Neurosteroidogenesis in Rat Retinas. Journal of Neurochemistry, 1994, 63, 86-96.	3.9	96
70	Epigenetic regulation of the expression of genes involved in steroid hormone biosynthesis and action. Steroids, 2010, 75, 467-476.	1.8	95
71	Leydig cell aging and hypogonadism. Experimental Gerontology, 2015, 68, 87-91.	2.8	93
72	Structural and Functional Evolution of the Translocator Protein (18 kDa). Current Molecular Medicine, 2012, 12, 369-386.	1.3	88

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73	Hormone-stimulated steroidogenesis is coupled to mitochondrial benzodiazepine receptors. Tropic hormone action on steroid biosynthesis is inhibited by flunitrazepam. Journal of Biological Chemistry, 1991, 266, 3682-7.	3.4	86
74	Oxidative stress-mediated DHEA formation in Alzheimer's disease pathology. Neurobiology of Aging, 2003, 24, 57-65.	3.1	85
75	Cellular sources of TSPO expression in healthy and diseased brain. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 49, 146-163.	6.4	85
76	Regulation of pregnenolone synthesis in C6-2B glioma cells by 4'-chlorodiazepam.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 5118-5122.	7.1	83
77	Translocator protein (18ÂkDa): an update on its function in steroidogenesis. Journal of Neuroendocrinology, 2018, 30, e12500.	2.6	83
78	Steroid biosynthesis in adipose tissue. Steroids, 2015, 103, 89-104.	1.8	82
79	Structure and Function of the Peripheral-Type Benzodiazepine Receptor in Steroidogenic Cells. Experimental Biology and Medicine, 1998, 217, 130-142.	2.4	80
80	De Novo Synthesis of Steroids and Oxysterols in Adipocytes. Journal of Biological Chemistry, 2014, 289, 747-764.	3.4	80
81	TSPO mutations in rats and a human polymorphism impair the rate of steroid synthesis. Biochemical Journal, 2017, 474, 3985-3999.	3.7	80
82	Topography of the Leydig cell mitochondrial peripheral-type benzodiazepine receptor. Molecular and Cellular Endocrinology, 1994, 104, R5-R9.	3.2	79
83	The polypeptide diazepam-binding inhibitor and a higher affinity mitochondrial peripheral-type benzodiazepine receptor sustain constitutive steroidogenesis in the R2C Leydig tumor cell line.. Journal of Biological Chemistry, 1994, 269, 22105-22112.	3.4	79
84	Molecular Mechanisms Mediating the Effect of Mono-(2-Ethylhexyl) Phthalate on Hormone-Stimulated Steroidogenesis in MA-10 Mouse Tumor Leydig Cells. Endocrinology, 2010, 151, 3348-3362.	2.8	78
85	Organelle plasticity and interactions in cholesterol transport and steroid biosynthesis. Molecular and Cellular Endocrinology, 2013, 371, 34-46.	3.2	78
86	Cell surface localization of the peripheral-type benzodiazepine receptor (PBR) in adrenal cortex. Molecular and Cellular Endocrinology, 1992, 87, R1-R6.	3.2	77
87	Inhibition of hormone-stimulated steroidogenesis in cultured Leydig tumor cells by a cholesterol-linked phosphorothioate oligodeoxynucleotide antisense to diazepam-binding inhibitor.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 5728-5731.	7.1	76
88	In Utero Exposure to the Antiandrogen Di-(2-Ethylhexyl) Phthalate Decreases Adrenal Aldosterone Production in the Adult Rat1. Biology of Reproduction, 2011, 85, 51-61.	2.7	76
89	In utero exposure to the endocrine disruptor di-(2-ethylhexyl) phthalate promotes local adipose and systemic inflammation in adult male offspring. Nutrition and Diabetes, 2014, 4, e115-e115.	3.2	75
90	Mitochondrial protein import and the genesis of steroidogenic mitochondria. Molecular and Cellular Endocrinology, 2011, 336, 70-79.	3.2	74

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91	Characterization of Î±â€casozepine, a tryptic peptide from bovine Î±s1â€casein with benzodiazepineâ€like activity. FASEB Journal, 2001, 15, 1780-1782.	0.5	73
92	PAP7, a PBR/PKA-RIÎ±-associated protein: a new element in the relay of the hormonal induction of steroidogenesis. Journal of Steroid Biochemistry and Molecular Biology, 2003, 85, 275-283.	2.5	73
93	ATP Synthesis, Mitochondrial Function, and Steroid Biosynthesis in Rodent Primary and Tumor Leydig Cells1. Biology of Reproduction, 2011, 84, 976-985.	2.7	73
94	ACBD2/ECI2-Mediated Peroxisome-Mitochondria Interactions in Leydig Cell Steroid Biosynthesis. Molecular Endocrinology, 2016, 30, 763-782.	3.7	73
95	Effect of mono-ethylhexyl phthalate on MA-10 Leydig tumor cells. Reproductive Toxicology, 2001, 15, 171-187.	2.9	72
96	Secondary and tertiary structures of the transmembrane domains of the translocator protein TSPO determined by NMR. Stabilization of the TSPO tertiary fold upon ligand binding. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1375-1381.	2.6	70
97	Translocator Protein 2 Is Involved in Cholesterol Redistribution during Erythropoiesis. Journal of Biological Chemistry, 2009, 284, 30484-30497.	3.4	70
98	Adrenal Mitochondria and Steroidogenesis: From Individual Proteins to Functional Protein Assemblies. Frontiers in Endocrinology, 2016, 7, 106.	3.5	69
99	Isolation and characterization of protein kinase C from Y-1 adrenal cell cytoskeleton.. Journal of Cell Biology, 1989, 108, 553-567.	5.2	67
100	Mitochondrial peripheral-type benzodiazepine receptor expression. Biochemical Pharmacology, 1999, 58, 1389-1393.	4.4	67
101	Axonal Regeneration and Neuroinflammation: Roles for the Translocator Protein 18â€ƒkDa. Journal of Neuroendocrinology, 2012, 24, 71-81.	2.6	67
102	Effect of phorbol ester and phospholipase C on LH-stimulated steroidogenesis in purified rat Leydig cells. FEBS Letters, 1985, 188, 312-316.	2.8	65
103	Differential Expression of Extracellular Matrix Components in Rat Sertoli Cells1. Biology of Reproduction, 1990, 43, 860-869.	2.7	65
104	In Search of the Function of the Peripheralâ€Type Benzodiazepine Receptor. Endocrine Research, 2004, 30, 677-684.	1.2	65
105	Translocator Protein (18â€ƒkDa) as a Target for Novel Anxiolytics with a Favourable Sideâ€Effect Profile. Journal of Neuroendocrinology, 2012, 24, 82-92.	2.6	65
106	Identification, Localization, and Function in Steroidogenesis of PAP7: A Peripheral-Type Benzodiazepine Receptor- and PKA (RIÂ)-Associated Protein. Molecular Endocrinology, 2001, 15, 2211-2228.	3.7	65
107	Stimulation of Adult Rat Leydig Cell Aromatase Activity by a Sertoli Cell Factor*. Endocrinology, 1988, 122, 1103-1109.	2.8	64
108	Protein Kinase CÎµ Regulation of Translocator Protein (18 kDa) Tspo Gene Expression Is Mediated through a MAPK Pathway Targeting STAT3 and c-Jun Transcription Factors. Biochemistry, 2010, 49, 4766-4778.	2.5	64

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109	Why does COVIDâ€19 kill more elderly men than women? Is there a role for testosterone?. Andrology, 2021, 9, 65-72.	3.5	64
110	Detection of P450c17-independent pathways for dehydroepiandrosterone (DHEA) biosynthesis in brain glial tumor cells. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 2862-2867.	7.1	63
111	Differential Utilization of the Promoter of Peripheral-Type Benzodiazepine Receptor by Steroidogenic Versus Nonsteroidogenic Cell Lines and the Role of Sp1 and Sp3 in the Regulation of Basal Activity. Endocrinology, 2004, 145, 1113-1123.	2.8	63
112	Protoporphyrin IX binding and transport by recombinant mouse PBR. Biochemical and Biophysical Research Communications, 2003, 311, 847-852.	2.1	61
113	Stem Leydig Cell Differentiation: Gene Expression During Development of the Adult Rat Population of Leydig Cells1. Biology of Reproduction, 2011, 85, 1161-1166.	2.7	61
114	Adult rat Sertoli cells secrete a factor or factors which modulate Leydig cell function. Journal of Endocrinology, 1987, 114, 459-467.	2.6	59
115	PBR, StAR, AND PKA: PARTNERS IN CHOLESTEROL TRANSPORT IN STEROIDOGENIC CELLS. Endocrine Research, 2002, 28, 395-401.	1.2	59
116	A Novel Arabidopsis thaliana Protein is a Functional Peripheral-Type Benzodiazepine Receptor. Plant and Cell Physiology, 2004, 45, 723-733.	3.1	59
117	Oxidative stress and phthalate-induced down-regulation of steroidogenesis in MA-10 Leydig cells. Reproductive Toxicology, 2013, 42, 95-101.	2.9	59
118	Acute action of choriogonadotropin on Leydig tumor cells: changes in the topography of the mitochondrial peripheral-type benzodiazepine receptor.. Endocrinology, 1996, 137, 5727-5730.	2.8	58
119	In vitro functional screening as a means to identify new plasticizers devoid of reproductive toxicity. Environmental Research, 2016, 150, 496-512.	7.5	58
120	Prenatal phthalate exposure: epigenetic changes leading to lifelong impact on steroid formation. Andrology, 2016, 4, 573-584.	3.5	58
121	Regulation of Rat Testis Gonocyte Proliferation by Platelet-Derived Growth Factor and Estradiol: Identification of Signaling Mechanisms Involved. Endocrinology, 1997, 138, 1289-1298.	2.8	58
122	The polypeptide diazepam-binding inhibitor and a higher affinity mitochondrial peripheral-type benzodiazepine receptor sustain constitutive steroidogenesis in the R2C Leydig tumor cell line. Journal of Biological Chemistry, 1994, 269, 22105-12.	3.4	58
123	Acute action of choriogonadotropin on Leydig tumor cells: induction of a higher affinity benzodiazepine-binding site related to steroid biosynthesis.. Endocrinology, 1994, 135, 1576-1583.	2.8	57
124	Targeting and Insertion of the Cholesterol-Binding Translocator Protein into the Outer Mitochondrial Membrane. Biochemistry, 2009, 48, 6909-6920.	2.5	57
125	Novel Androstenetriol Interacts with the Mitochondrial Translocator Protein and Controls Steroidogenesis. Journal of Biological Chemistry, 2011, 286, 9875-9887.	3.4	57
126	Maternal in utero exposure to the endocrine disruptor di-(2-ethylhexyl) phthalate affects the blood pressure of adult male offspring. Toxicology and Applied Pharmacology, 2013, 266, 95-100.	2.8	55

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127	The role of diazepam binding inhibitor and its processing products at mitochondrial benzodiazepine receptors: Regulation of steroid biosynthesis. Neuropharmacology, 1991, 30, 1417-1423.	4.1	54
128	Modeling Alzheimer's disease with non-transgenic rat models. Alzheimer's Research and Therapy, 2013, 5, 17.	6.2	54
129	Drug Ligand-Induced Activation of Translocator Protein (TSPO) Stimulates Steroid Production by Aged Brown Norway Rat Leydig Cells. Endocrinology, 2013, 154, 2156-2165.	2.8	54
130	Pachytene spermatocytes regulate the secretion of Sertoli cell protein(s) which stimulate Leydig cell steroidogenesis. Molecular and Cellular Endocrinology, 1991, 77, 207-216.	3.2	53
131	Beta-Amyloid and Oxidative Stress Jointly Induce Neuronal Death, Amyloid Deposits, Gliosis, and Memory Impairment in the Rat Brain. Pharmacology, 2006, 76, 19-33.	2.2	53
132	Basement Membrane Increases G-Protein Levels and Follicle-Stimulating Hormone Responsiveness of Sertoli Cell Adenylyl Cyclase Activity*. Endocrinology, 1991, 128, 1167-1176.	2.8	51
133	Synthesis and Biology of a 7-Nitro-2,1,3-benzoxadiazol-4-yl Derivative of 2-Phenylindole-3-acetamide:Â A Fluorescent Probe for the Peripheral-Type Benzodiazepine Receptor. Journal of Medicinal Chemistry, 1997, 40, 2435-2439.	6.4	50
134	Role of the peripheral-type benzodiazepine receptor in adrenal and brain steroidogenesis. International Review of Neurobiology, 2001, 46, 117-143.	2.0	50
135	Polyethylene Glycol Reduces Early and Long-Term Cold Ischemia-Reperfusion and Renal Medulla Injury. Journal of Pharmacology and Experimental Therapeutics, 2002, 302, 861-870.	2.5	50
136	GnRH agonist treatment decreases progesterone synthesis, luteal peripheral benzodiazepine receptor mRNA, ligand binding and steroidogenic acute regulatory protein expression during pregnancy. Journal of Molecular Endocrinology, 1999, 22, 45-54.	2.5	49
137	Developmental Expression of the Peripheral-Type Benzodiazepine Receptor and the Advent of Steroidogenesis in Rat Adrenal Glands*. Endocrinology, 1999, 140, 859-864.	2.8	48
138	Identification of naturally occurring spirostenols preventing Î²-amyloid-induced neurotoxicity. Steroids, 2004, 69, 1-16.	1.8	48
139	Aging and Luteinizing Hormone Effects on Reactive Oxygen Species Production and DNA Damage in Rat Leydig Cells1. Biology of Reproduction, 2013, 88, 100.	2.7	48
140	Cholesterol transport, peripheral benzodiazepine receptor, and steroidogenesis in aging Leydig cells. Journal of Andrology, 2002, 23, 439-47.	2.0	48
141	The Endocrine Disruptor Mono-(2-Ethylhexyl) Phthalate Affects the Differentiation of Human Liposarcoma Cells (SW 872). PLoS ONE, 2011, 6, e28750.	2.5	46
142	Mechanisms Mediating Environmental Chemical-Induced Endocrine Disruption in the Adrenal Gland. Frontiers in Endocrinology, 2015, 6, 29.	3.5	46
143	Synchronous and metachronous colorectal carcinoma. Techniques in Coloproctology, 2004, 8, s97-s100.	1.8	45
144	Hormone-induced 14-3-3Î³ Adaptor Protein Regulates Steroidogenic Acute Regulatory Protein Activity and Steroid Biosynthesis in MA-10 Leydig Cells. Journal of Biological Chemistry, 2012, 287, 15380-15394.	3.4	45

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145	Pharmacological Regulation of the Cholesterol Transport Machinery in Steroidogenic Cells of the Testis. Vitamins and Hormones, 2015, 98, 189-227.	1.7	45
146	22Râ€Hydroxycholesterol protects neuronal cells from Î²â€amyloidâ€induced cytotoxicity by binding to Î²â€amyloid peptide. Journal of Neurochemistry, 2002, 83, 1110-1119.	3.9	44
147	Cytochrome P450 17Î± Hydroxylase/17,20 Lyase (CYP17) Function in Cholesterol Biosynthesis: Identification of Squalene Monooxygenase (Epoxidase) Activity Associated with CYP17 in Leydig Cells. Molecular Endocrinology, 2005, 19, 1918-1931.	3.7	43
148	The spirostenol (22R, 25R)-20Î±-spirost-5-en-3Î²-yl hexanoate blocks mitochondrial uptake of AÎ² in neuronal cells and prevents AÎ²-induced impairment of mitochondrial function. Steroids, 2006, 71, 725-735.	1.8	43
149	Endozepines and their receptors: Structure, functions and pathophysiological significance. , 2020, 208, 107386.		43
150	Free radicals and lipid peroxidation do not mediate Î²-amyloid-induced neuronal cell death. Brain Research, 1999, 847, 203-210.	2.2	42
151	The Peroxisome Proliferator Perfluorodecanoic Acid Inhibits the Peripheral-Type Benzodiazepine Receptor (PBR) Expression and Hormone-Stimulated Mitochondrial Cholesterol Transport and Steroid Formation in Leydig Cells*. Endocrinology, 2000, 141, 3137-3148.	2.8	42
152	3D QSAR studies of AChE inhibitors based on molecular docking scores and CoMFA. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 6277-6280.	2.2	42
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