

Vasilios Papadopoulos

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376
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#	Paper	IF	Citations
376	Translocator protein (18kDa): new nomenclature for the peripheral-type benzodiazepine receptor based on its structure and molecular function. <i>Trends in Pharmacological Sciences</i> , 2006 , 27, 402-9	13.2	1097
375	Translocator protein (18 kDa) (TSPO) as a therapeutic target for neurological and psychiatric disorders. <i>Nature Reviews Drug Discovery</i> , 2010 , 9, 971-88	64.1	646
374	Peripheral-type benzodiazepine receptor function in cholesterol transport. Identification of a putative cholesterol recognition/interaction amino acid sequence and consensus pattern. <i>Endocrinology</i> , 1998 , 139, 4991-7	4.8	468
373	Peripheral benzodiazepine receptor in cholesterol transport and steroidogenesis. <i>Steroids</i> , 1997 , 62, 21-8	2.8	313
372	Steroid production in the thymus: implications for thymocyte selection. <i>Journal of Experimental Medicine</i> , 1994 , 179, 1835-46	16.6	308
371	Peripheral-type benzodiazepine receptor: structure and function of a cholesterol-binding protein in steroid and bile acid biosynthesis. <i>Steroids</i> , 2003 , 68, 569-85	2.8	284
370	Peripheral-type benzodiazepine/diazepam binding inhibitor receptor: biological role in steroidogenic cell function. <i>Endocrine Reviews</i> , 1993 , 14, 222-40	27.2	266
369	The peripheral-type benzodiazepine receptor is functionally linked to Leydig cell steroidogenesis.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 3772-3779	5.4	265
368	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 1267-1272	11.5	262
367	The peripheral-type benzodiazepine receptor is functionally linked to Leydig cell steroidogenesis. <i>Journal of Biological Chemistry</i> , 1990 , 265, 3772-9	5.4	259
366	Peripheral-type benzodiazepine receptors mediate translocation of cholesterol from outer to inner mitochondrial membranes in adrenocortical cells.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 15015-15022	5.4	252
365	Cholesterol transport in steroid biosynthesis: role of protein-protein interactions and implications in disease states. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009 , 1791, 646-58	5	249
364	Neuroprotective effects of green and black teas and their catechin gallate esters against beta-amyloid-induced toxicity. <i>European Journal of Neuroscience</i> , 2006 , 23, 55-64	3.5	245
363	Peripheral-type benzodiazepine receptors mediate translocation of cholesterol from outer to inner mitochondrial membranes in adrenocortical cells. <i>Journal of Biological Chemistry</i> , 1990 , 265, 15015-22	5.4	240
362	Mitochondrial benzodiazepine receptors regulate steroid biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989 , 86, 9813-6	11.5	212
361	Regulation of translocator protein 18 kDa (TSPO) expression in health and disease states. <i>Molecular and Cellular Endocrinology</i> , 2010 , 327, 1-12	4.4	210
360	Pregnenolone biosynthesis in C6-2B glioma cell mitochondria: regulation by a mitochondrial diazepam binding inhibitor receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 5113-7	11.5	210

359	Channel-like functions of the 18-kDa translocator protein (TSPO): regulation of apoptosis and steroidogenesis as part of the host-defense response. <i>Current Pharmaceutical Design</i> , 2007 , 13, 2385-403	3.3	209
358	In search of rat stem Leydig cells: identification, isolation, and lineage-specific development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 2719-24	11.5	206
357	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. <i>Cancer Research</i> , 1999 , 59, 831-42	10.1	199
356	NMDA receptor-nitric oxide transmission mediates neuronal iron homeostasis via the GTPase Dexas1. <i>Neuron</i> , 2006 , 51, 431-40	13.9	198
355	Peripheral-type benzodiazepine receptor-mediated action of steroidogenic acute regulatory protein on cholesterol entry into leydig cell mitochondria. <i>Molecular Endocrinology</i> , 2005 , 19, 540-54		194
354	Diazepam binding inhibitor and its processing products stimulate mitochondrial steroid biosynthesis via an interaction with mitochondrial benzodiazepine receptors. <i>Endocrinology</i> , 1991 , 129, 1481-8	4.8	193
353	Peripheral-type benzodiazepine receptor in neurosteroid biosynthesis, neuropathology and neurological disorders. <i>Neuroscience</i> , 2006 , 138, 749-56	3.9	192
352	Characterization of the cholesterol recognition amino acid consensus sequence of the peripheral-type benzodiazepine receptor. <i>Molecular Endocrinology</i> , 2005 , 19, 588-94		183
351	Protein-protein interactions mediate mitochondrial cholesterol transport and steroid biosynthesis. <i>Journal of Biological Chemistry</i> , 2006 , 281, 38879-93	5.4	178
350	Identification of a dynamic mitochondrial protein complex driving cholesterol import, trafficking, and metabolism to steroid hormones. <i>Molecular Endocrinology</i> , 2012 , 26, 1868-82		177
349	Regulation of rat testis gonocyte proliferation by platelet-derived growth factor and estradiol: identification of signaling mechanisms involved. <i>Endocrinology</i> , 1997 , 138, 1289-98	4.8	172
348	Targeted disruption of the peripheral-type benzodiazepine receptor gene inhibits steroidogenesis in the R2C Leydig tumor cell line. <i>Journal of Biological Chemistry</i> , 1997 , 272, 32129-35	5.4	171
347	Ginkgo biloba extracts and cancer: a research area in its infancy. <i>Fundamental and Clinical Pharmacology</i> , 2003 , 17, 405-17	3.1	162
346	The Ginkgo biloba extract EGb 761 rescues the PC12 neuronal cells from beta-amyloid-induced cell death by inhibiting the formation of beta-amyloid-derived diffusible neurotoxic ligands. <i>Brain Research</i> , 2001 , 889, 181-90	3.7	156
345	Leydig cells: formation, function, and regulation. <i>Biology of Reproduction</i> , 2018 , 99, 101-111	3.9	153
344	In vivo and in vitro peripheral-type benzodiazepine receptor polymerization: functional significance in drug ligand and cholesterol binding. <i>Biochemistry</i> , 2003 , 42, 4506-19	3.2	151
343	Role of mitochondria in steroidogenesis. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2012 , 26, 771-90	6.5	148
342	The role of the 14-3-3 protein family in health, disease, and drug development. <i>Drug Discovery Today</i> , 2016 , 21, 278-87	8.8	145

341	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 1267-72	11.5	140
340	Leydig cell aging and the mechanisms of reduced testosterone synthesis. <i>Molecular and Cellular Endocrinology</i> , 2009 , 299, 23-31	4.4	137
339	Structural and functional study of reconstituted peripheral benzodiazepine receptor. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 284, 536-41	3.4	136
338	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 alpha. <i>Endocrinology</i> , 2002 , 143, 2571-83	4.8	133
337	Identification of a stimulator of steroid hormone synthesis isolated from testis. <i>Science</i> , 1995 , 268, 1609-12	3.5	133
336	Translocator protein (18 kDa) TSPO: an emerging therapeutic target in neurotrauma. <i>Experimental Neurology</i> , 2009 , 219, 53-7	5.7	122
335	In utero exposure to di-(2-ethylhexyl) phthalate exerts both short-term and long-lasting suppressive effects on testosterone production in the rat. <i>Biology of Reproduction</i> , 2008 , 78, 1018-28	3.9	118
334	Diazepam binding inhibitor is a paracrine/autocrine regulator of Leydig cell proliferation and steroidogenesis: action via peripheral-type benzodiazepine receptor and independent mechanisms. <i>Endocrinology</i> , 1993 , 132, 444-58	4.8	114
333	2-Aryl-3-indoleacetamides (FGIN-1): a new class of potent and specific ligands for the mitochondrial DBI receptor (MDR). <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1992 , 262, 971-8	4.7	112
332	Identification, localization, and function in steroidogenesis of PAP7: a peripheral-type benzodiazepine receptor- and PKA (R1alpha)-associated protein. <i>Molecular Endocrinology</i> , 2001 , 15, 2211-28		110
331	In vitro reconstitution of a functional peripheral-type benzodiazepine receptor from mouse Leydig tumor cells. <i>Molecular Pharmacology</i> , 1994 , 45, 201-11	4.3	105
330	Peripheral-type benzodiazepine receptor overexpression and knockdown in human breast cancer cells indicate its prominent role in tumor cell proliferation. <i>Biochemical Pharmacology</i> , 2007 , 73, 491-503 ⁶		104
329	Acyl-coenzyme A binding domain containing 3 (ACBD3; PAP7; GCP60): an emerging signaling molecule. <i>Progress in Lipid Research</i> , 2010 , 49, 218-34	14.3	103
328	Function of beta-amyloid in cholesterol transport: a lead to neurotoxicity. <i>FASEB Journal</i> , 2002 , 16, 1677-89	3.9	102
327	In vitro studies on the role of the peripheral-type benzodiazepine receptor in steroidogenesis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1999 , 69, 123-30	5.1	102
326	Fetal origin of endocrine dysfunction in the adult: the phthalate model. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013 , 137, 5-17	5.1	99
325	Conditional steroidogenic cell-targeted deletion of TSPO unveils a crucial role in viability and hormone-dependent steroid formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 7261-6	11.5	99
324	Mitochondrial benzodiazepine receptors and the regulation of steroid biosynthesis. <i>Annual Review of Pharmacology and Toxicology</i> , 1992 , 32, 211-37	17.9	99

323	Alzheimer's disease: effects of β -amyloid on mitochondria. <i>Mitochondrion</i> , 2011 , 11, 13-21	4.9	98
322	Expression of peripheral benzodiazepine receptor (PBR) in human tumors: relationship to breast, colorectal, and prostate tumor progression. <i>Journal of Receptor and Signal Transduction Research</i> , 2003 , 23, 225-38	2.6	97
321	Endozepine/diazepam binding inhibitor in adrenocortical and Leydig cell lines: absence of hormonal regulation. <i>Molecular and Cellular Endocrinology</i> , 1992 , 83, 1-9	4.4	97
320	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. <i>Biochemical Pharmacology</i> , 2004 , 67, 1927-32	6	96
319	Mitochondria-associated membrane formation in hormone-stimulated Leydig cell steroidogenesis: role of ATAD3. <i>Endocrinology</i> , 2015 , 156, 334-45	4.8	92
318	Is there a mitochondrial signaling complex facilitating cholesterol import?. <i>Molecular and Cellular Endocrinology</i> , 2007 , 265-266, 59-64	4.4	92
317	In vivo regulation of peripheral-type benzodiazepine receptor and glucocorticoid synthesis by Ginkgo biloba extract EGb 761 and isolated ginkgolides. <i>Endocrinology</i> , 1996 , 137, 5707-18	4.8	90
316	Role of the peripheral-type benzodiazepine receptor and the polypeptide diazepam binding inhibitor in steroidogenesis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1995 , 53, 103-10	5.1	89
315	Epigenetic regulation of the expression of genes involved in steroid hormone biosynthesis and action. <i>Steroids</i> , 2010 , 75, 467-76	2.8	87
314	Hormone-stimulated steroidogenesis is coupled to mitochondrial benzodiazepine receptors. Tropic hormone action on steroid biosynthesis is inhibited by flunitrazepam. <i>Journal of Biological Chemistry</i> , 1991 , 266, 3682-3687	5.4	86
313	The peripheral-type benzodiazepine receptor is involved in control of Ca ²⁺ -induced permeability transition pore opening in rat brain mitochondria. <i>Cell Calcium</i> , 2007 , 42, 27-39	4	85
312	Pathways of neurosteroid biosynthesis in cell lines from human brain: regulation of dehydroepiandrosterone formation by oxidative stress and beta-amyloid peptide. <i>Journal of Neurochemistry</i> , 2000 , 74, 847-59	6	84
311	Neurosteroidogenesis in rat retinas. <i>Journal of Neurochemistry</i> , 1994 , 63, 86-96	6	83
310	Hormone-stimulated steroidogenesis is coupled to mitochondrial benzodiazepine receptors. Tropic hormone action on steroid biosynthesis is inhibited by flunitrazepam. <i>Journal of Biological Chemistry</i> , 1991 , 266, 3682-7	5.4	83
309	Structural and functional evolution of the translocator protein (18 kDa). <i>Current Molecular Medicine</i> , 2012 , 12, 369-86	2.5	83
308	Translocator protein-mediated pharmacology of cholesterol transport and steroidogenesis. <i>Molecular and Cellular Endocrinology</i> , 2015 , 408, 90-8	4.4	81
307	Regulation of pregnenolone synthesis in C6-2B glioma cells by 4'-chlorodiazepam. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 5118-22	11.5	81
306	Ginkgo biloba extract (Egb 761) inhibits beta-amyloid production by lowering free cholesterol levels. <i>Journal of Nutritional Biochemistry</i> , 2004 , 15, 749-56	6.3	80

305	In utero exposure to di-(2-ethylhexyl) phthalate decreases mineralocorticoid receptor expression in the adult testis. <i>Endocrinology</i> , 2009 , 150, 5575-85	4.8	78
304	Rat testis 17 beta-estradiol: identification by gas chromatography-mass spectrometry and age related cellular distribution. <i>The Journal of Steroid Biochemistry</i> , 1986 , 24, 1211-6		75
303	Oxidative stress-mediated DHEA formation in Alzheimer's disease pathology. <i>Neurobiology of Aging</i> , 2003 , 24, 57-65	5.6	74
302	Topography of the Leydig cell mitochondrial peripheral-type benzodiazepine receptor. <i>Molecular and Cellular Endocrinology</i> , 1994 , 104, R5-9	4.4	73
301	Inhibition of hormone-stimulated steroidogenesis in cultured Leydig tumor cells by a cholesterol-linked phosphorothioate oligodeoxynucleotide antisense to diazepam-binding inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 5728-31	11.5	69
300	Translocator protein (18kDa): an update on its function in steroidogenesis. <i>Journal of Neuroendocrinology</i> , 2018 , 30, e12500	3.8	68
299	Molecular mechanisms mediating the effect of mono-(2-ethylhexyl) phthalate on hormone-stimulated steroidogenesis in MA-10 mouse tumor Leydig cells. <i>Endocrinology</i> , 2010 , 151, 3348-52	4.8	68
298	Structure and function of the peripheral-type benzodiazepine receptor in steroidogenic cells. <i>Experimental Biology and Medicine</i> , 1998 , 217, 130-42	3.7	68
297	Cell surface localization of the peripheral-type benzodiazepine receptor (PBR) in adrenal cortex. <i>Molecular and Cellular Endocrinology</i> , 1992 , 87, R1-6	4.4	68
296	PAP7, a PBR/PKA-R1alpha-associated protein: a new element in the relay of the hormonal induction of steroidogenesis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003 , 85, 275-83	5.1	67
295	Organelle plasticity and interactions in cholesterol transport and steroid biosynthesis. <i>Molecular and Cellular Endocrinology</i> , 2013 , 371, 34-46	4.4	65
294	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. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 1375-81	3.8	65
293	De novo synthesis of steroids and oxysterols in adipocytes. <i>Journal of Biological Chemistry</i> , 2014 , 289, 747-64	5.4	64
292	In search of the function of the peripheral-type benzodiazepine receptor. <i>Endocrine Research</i> , 2004 , 30, 677-84	1.9	64
291	Effect of mono-ethylhexyl phthalate on MA-10 Leydig tumor cells. <i>Reproductive Toxicology</i> , 2001 , 15, 171-87	3.4	64
290	Mitochondrial peripheral-type benzodiazepine receptor expression. Correlation with gonadotropin-releasing hormone (GnRH) agonist-induced apoptosis in the corpus luteum. <i>Biochemical Pharmacology</i> , 1999 , 58, 1389-93	6	64
289	The polypeptide diazepam-binding inhibitor and a higher affinity mitochondrial peripheral-type benzodiazepine receptor sustain constitutive steroidogenesis in the R2C Leydig tumor cell line.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 22105-22112	5.4	63
288	mutations in rats and a human polymorphism impair the rate of steroid synthesis. <i>Biochemical Journal</i> , 2017 , 474, 3985-3999	3.8	61

287	Identification, Localization, and Function in Steroidogenesis of PAP7: A Peripheral-Type Benzodiazepine Receptor- and PKA (RII)-Associated Protein. <i>Molecular Endocrinology</i> , 2001 , 15, 2211-2228		61
286	Mitochondrial protein import and the genesis of steroidogenic mitochondria. <i>Molecular and Cellular Endocrinology</i> , 2011 , 336, 70-9	4.4	60
285	Translocator protein 2 is involved in cholesterol redistribution during erythropoiesis. <i>Journal of Biological Chemistry</i> , 2009 , 284, 30484-97	5.4	60
284	In utero exposure to the antiandrogen di-(2-ethylhexyl) phthalate decreases adrenal aldosterone production in the adult rat. <i>Biology of Reproduction</i> , 2011 , 85, 51-61	3.9	60
283	Axonal regeneration and neuroinflammation: roles for the translocator protein 18 kDa. <i>Journal of Neuroendocrinology</i> , 2012 , 24, 71-81	3.8	59
282	Detection of P450c17-independent pathways for dehydroepiandrosterone (DHEA) biosynthesis in brain glial tumor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 2862-7	11.5	59
281	Differential expression of extracellular matrix components in rat Sertoli cells. <i>Biology of Reproduction</i> , 1990 , 43, 860-9	3.9	59
280	Leydig cell aging and hypogonadism. <i>Experimental Gerontology</i> , 2015 , 68, 87-91	4.5	58
279	Characterization of alpha-casozepine, a tryptic peptide from bovine alpha(s1)-casein with benzodiazepine-like activity. <i>FASEB Journal</i> , 2001 , 15, 1780-2	0.9	58
278	Isolation and characterization of protein kinase C from Y-1 adrenal cell cytoskeleton. <i>Journal of Cell Biology</i> , 1989 , 108, 553-67	7.3	58
277	Translocator protein (18 kDa) as a target for novel anxiolytics with a favourable side-effect profile. <i>Journal of Neuroendocrinology</i> , 2012 , 24, 82-92	3.8	57
276	Protoporphyrin IX binding and transport by recombinant mouse PBR. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 311, 847-52	3.4	57
275	PBR, StAR, and PKA: partners in cholesterol transport in steroidogenic cells. <i>Endocrine Research</i> , 2002 , 28, 395-401	1.9	56
274	ATP synthesis, mitochondrial function, and steroid biosynthesis in rodent primary and tumor Leydig cells. <i>Biology of Reproduction</i> , 2011 , 84, 976-85	3.9	55
273	Stimulation of adult rat Leydig cell aromatase activity by a Sertoli cell factor. <i>Endocrinology</i> , 1988 , 122, 1103-9	4.8	55
272	The polypeptide diazepam-binding inhibitor and a higher affinity mitochondrial peripheral-type benzodiazepine receptor sustain constitutive steroidogenesis in the R2C Leydig tumor cell line. <i>Journal of Biological Chemistry</i> , 1994 , 269, 22105-12	5.4	55
271	In utero exposure to the endocrine disruptor di-(2-ethylhexyl) phthalate promotes local adipose and systemic inflammation in adult male offspring. <i>Nutrition and Diabetes</i> , 2014 , 4, e115	4.7	54
270	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. <i>Endocrinology</i> , 2004 , 145, 1113-23	4.8	54

269	Acute action of choriogonadotropin on Leydig tumor cells: changes in the topography of the mitochondrial peripheral-type benzodiazepine receptor. <i>Endocrinology</i> , 1996 , 137, 5727-30	4.8	54
268	A novel <i>Arabidopsis thaliana</i> protein is a functional peripheral-type benzodiazepine receptor. <i>Plant and Cell Physiology</i> , 2004 , 45, 723-33	4.9	53
267	Acute action of choriogonadotropin on Leydig tumor cells: induction of a higher affinity benzodiazepine-binding site related to steroid biosynthesis. <i>Endocrinology</i> , 1994 , 135, 1576-83	4.8	53
266	ACBD2/ECI2-Mediated Peroxisome-Mitochondria Interactions in Leydig Cell Steroid Biosynthesis. <i>Molecular Endocrinology</i> , 2016 , 30, 763-82		53
265	Steroid biosynthesis in adipose tissue. <i>Steroids</i> , 2015 , 103, 89-104	2.8	52
264	Regulation of Rat Testis Gonocyte Proliferation by Platelet-Derived Growth Factor and Estradiol: Identification of Signaling Mechanisms Involved		52
263	Adrenal Mitochondria and Steroidogenesis: From Individual Proteins to Functional Protein Assemblies. <i>Frontiers in Endocrinology</i> , 2016 , 7, 106	5.7	52
262	Protein kinase C epsilon regulation of translocator protein (18 kDa) Tsps gene expression is mediated through a MAPK pathway targeting STAT3 and c-Jun transcription factors. <i>Biochemistry</i> , 2010 , 49, 4766-78	3.2	51
261	Oxidative stress and phthalate-induced down-regulation of steroidogenesis in MA-10 Leydig cells. <i>Reproductive Toxicology</i> , 2013 , 42, 95-101	3.4	49
260	Targeting and insertion of the cholesterol-binding translocator protein into the outer mitochondrial membrane. <i>Biochemistry</i> , 2009 , 48, 6909-20	3.2	49
259	Novel androstenediol interacts with the mitochondrial translocator protein and controls steroidogenesis. <i>Journal of Biological Chemistry</i> , 2011 , 286, 9875-87	5.4	49
258	Stem Leydig cell differentiation: gene expression during development of the adult rat population of Leydig cells. <i>Biology of Reproduction</i> , 2011 , 85, 1161-6	3.9	49
257	The role of diazepam binding inhibitor and its processing products at mitochondrial benzodiazepine receptors: regulation of steroid biosynthesis. <i>Neuropharmacology</i> , 1991 , 30, 1417-23	5.5	49
256	Effect of phorbol ester and phospholipase C on LH-stimulated steroidogenesis in purified rat Leydig cells. <i>FEBS Letters</i> , 1985 , 188, 312-6	3.8	49
255	Adult rat Sertoli cells secrete a factor or factors which modulate Leydig cell function. <i>Journal of Endocrinology</i> , 1987 , 114, 459-67	4.7	48
254	Identification of naturally occurring spirostenols preventing beta-amyloid-induced neurotoxicity. <i>Steroids</i> , 2004 , 69, 1-16	2.8	47
253	Drug ligand-induced activation of translocator protein (TSPO) stimulates steroid production by aged brown Norway rat Leydig cells. <i>Endocrinology</i> , 2013 , 154, 2156-65	4.8	46
252	Beta-amyloid and oxidative stress jointly induce neuronal death, amyloid deposits, gliosis, and memory impairment in the rat brain. <i>Pharmacology</i> , 2006 , 76, 19-33	2.3	46

251	Polyethylene glycol reduces early and long-term cold ischemia-reperfusion and renal medulla injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 302, 861-70	4.7	46
250	Role of the peripheral-type benzodiazepine receptor in adrenal and brain steroidogenesis. <i>International Review of Neurobiology</i> , 2001 , 46, 117-43	4.4	46
249	Developmental expression of the peripheral-type benzodiazepine receptor and the advent of steroidogenesis in rat adrenal glands. <i>Endocrinology</i> , 1999 , 140, 859-64	4.8	46
248	Cholesterol transport, peripheral benzodiazepine receptor, and steroidogenesis in aging Leydig cells. <i>Journal of Andrology</i> , 2002 , 23, 439-47		46
247	Modeling Alzheimer's disease with non-transgenic rat models. <i>Alzheimer's Research and Therapy</i> , 2013 , 5, 17	9	45
246	Synthesis and biology of a 7-nitro-2,1,3-benzoxadiazol-4-yl derivative of 2-phenylindole-3-acetamide: a fluorescent probe for the peripheral-type benzodiazepine receptor. <i>Journal of Medicinal Chemistry</i> , 1997 , 40, 2435-9	8.3	45
245	GnRH agonist treatment decreases progesterone synthesis, luteal peripheral benzodiazepine receptor mRNA, ligand binding and steroidogenic acute regulatory protein expression during pregnancy. <i>Journal of Molecular Endocrinology</i> , 1999 , 22, 45-54	4.5	45
244	Basement membrane increases G-protein levels and follicle-stimulating hormone responsiveness of Sertoli cell adenyl cyclase activity. <i>Endocrinology</i> , 1991 , 128, 1167-76	4.8	45
243	Pachytene spermatocytes regulate the secretion of Sertoli cell protein(s) which stimulate Leydig cell steroidogenesis. <i>Molecular and Cellular Endocrinology</i> , 1991 , 77, 207-16	4.4	45
242	Maternal in utero exposure to the endocrine disruptor di-(2-ethylhexyl) phthalate affects the blood pressure of adult male offspring. <i>Toxicology and Applied Pharmacology</i> , 2013 , 266, 95-100	4.6	42
241	The endocrine disruptor mono-(2-ethylhexyl) phthalate affects the differentiation of human liposarcoma cells (SW 872). <i>PLoS ONE</i> , 2011 , 6, e28750	3.7	42
240	In vitro functional screening as a means to identify new plasticizers devoid of reproductive toxicity. <i>Environmental Research</i> , 2016 , 150, 496-512	7.9	41
239	Cytochrome P450 17alpha hydroxylase/17,20 lyase (CYP17) function in cholesterol biosynthesis: identification of squalene monooxygenase (epoxidase) activity associated with CYP17 in Leydig cells. <i>Molecular Endocrinology</i> , 2005 , 19, 1918-31		41
238	Prenatal phthalate exposure: epigenetic changes leading to lifelong impact on steroid formation. <i>Andrology</i> , 2016 , 4, 573-84	4.2	40
237	22R-Hydroxycholesterol protects neuronal cells from beta-amyloid-induced cytotoxicity by binding to beta-amyloid peptide. <i>Journal of Neurochemistry</i> , 2002 , 83, 1110-9	6	40
236	Aging and luteinizing hormone effects on reactive oxygen species production and DNA damage in rat Leydig cells. <i>Biology of Reproduction</i> , 2013 , 88, 100	3.9	39
235	Ex vivo regulation of adrenal cortical cell steroid and protein synthesis, in response to adrenocorticotrophic hormone stimulation, by the Ginkgo biloba extract EGb 761 and isolated ginkgolide B. <i>Endocrinology</i> , 1997 , 138, 5415-26	4.8	39
234	3D QSAR studies of AChE inhibitors based on molecular docking scores and CoMFA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 6277-80	2.9	39

233	The spirostenol (22R, 25R)-20alpha-spirost-5-en-3beta-yl hexanoate blocks mitochondrial uptake of Abeta in neuronal cells and prevents Abeta-induced impairment of mitochondrial function. <i>Steroids</i> , 2006 , 71, 725-35	2.8	38
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