Michael E Baker

List of Publications by Year
in descending order

162 papers	5,558 citations	66343 42 h-index	106344 65 g-index
188 all docs	188 docs citations	188 times ranked	4243 citing authors

#	Article	IF	Citations
1	MLN64 contains a domain with homology to the steroidogenic acute regulatory protein (StAR) that stimulates steroidogenesis. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 8462-8467.	7.1	227
2	Epithelial Sodium Transport and Its Control by Aldosterone: The Story of Our Internal Environment Revisited. Physiological Reviews, 2015, 95, 297-340.	28.8	217
3	Independent elaboration of steroid hormone signaling pathways in metazoans. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11913-11918.	7.1	163
4	Site-specific mutagenesis of Drosophila alcohol dehydrogenase: Evidence for involvement of tyrosine-152 and lysine-156 in catalysis. Biochemistry, 1993, 32, 3342-3346.	2.5	162
5	Albumin, steroid hormones and the origin of vertebrates. Journal of Endocrinology, 2002, 175, 121-127.	2.6	111
6	Expansion of the mammalian 3Î²-hydroxysteroid dehydrogenase/plant dihydroflavonol reductase superfamily to include a bacterial cholesterol dehydrogenase, a bacterial UDP-galactose-4-epimerase, and open reading frames in vaccinia virus and fish lymphocystis. FEBS Letters, 1992, 301, 89-93.	2.8	108
7	Evolution of hormone selectivity in glucocorticoid and mineralocorticoid receptors. Journal of Steroid Biochemistry and Molecular Biology, 2013, 137, 57-70.	2.5	108
8	Steroid receptor phylogeny and vertebrate origins. Molecular and Cellular Endocrinology, 1997, 135, 101-107.	3.2	106
9	A common ancestor for bovine lens fiber major intrinsic protein, soybean nodulin-26 protein, and E. coli glycerol facilitator. Cell, 1990, 60, 185-186.	28.9	105
10	Evolution of adrenal and sex steroid action in vertebrates: a ligand-based mechanism for complexity. BioEssays, 2003, 25, 396-400.	2.5	102
11	Effect of Brassinolide on Gene Expression in Elongating Soybean Epicotyls. Plant Physiology, 1992, 100, 1377-1383.	4.8	100
12	Physiological and molecular effects of brassinosteroids on Arabidopsis thaliana. Journal of Plant Growth Regulation, 1993, 12, 61-66.	5.1	99
13	Sex hormoneâ€binding globulin, androgenâ€binding protein, and vitamin Kâ€dependent protein S are homologous to laminin A, merosin, and Drosophila crumbs protein. FASEB Journal, 1992, 6, 2477-2481.	0.5	98
14	Evolution of 17Î²-hydroxysteroid dehydrogenases and their role in androgen, estrogen and retinoid action. Molecular and Cellular Endocrinology, 2001, 171, 211-215.	3.2	98
15	Co-evolution of steroidogenic and steroid-inactivating enzymes and adrenal and sex steroid receptors. Molecular and Cellular Endocrinology, 2004, 215, 55-62.	3.2	97
16	Characterization of Ke 6, a New 17Î²-Hydroxysteroid Dehydrogenase, and Its Expression in Gonadal Tissues. Journal of Biological Chemistry, 1998, 273, 22664-22671.	3.4	95
17	Inhibition of 11Î²-hydroxysteroid dehydrogenase type 2 by dithiocarbamates. Biochemical and Biophysical Research Communications, 2003, 308, 257-262.	2.1	88
18	Origin and diversification of steroids: Co-evolution of enzymes and nuclear receptors. Molecular and Cellular Endocrinology, 2011, 334, 14-20.	3.2	88

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19	Origin of the response to adrenal and sex steroids: Roles of promiscuity and co-evolution of enzymes and steroid receptors. Journal of Steroid Biochemistry and Molecular Biology, 2015, 151, 12-24.	2.5	87
20	30 YEARS OF THE MINERALOCORTICOID RECEPTOR: Evolution of the mineralocorticoid receptor: sequence, structure and function. Journal of Endocrinology, 2017, 234, T1-T16.	2.6	79
21	Organotins Disrupt the 11Î²-Hydroxysteroid Dehydrogenase Type 2â€"Dependent Local Inactivation of Glucocorticoids. Environmental Health Perspectives, 2005, 113, 1600-1606.	6.0	71
22	An artificial intelligence approach to motif discovery in protein sequences: Application to steroid dehydrogenases. Journal of Steroid Biochemistry and Molecular Biology, 1997, 62, 29-44.	2.5	66
23	Dibutyltin Disrupts Glucocorticoid Receptor Function and Impairs Glucocorticoid-Induced Suppression of Cytokine Production. PLoS ONE, 2008, 3, e3545.	2.5	64
24	Dissecting the Axoneme Interactome. Molecular and Cellular Proteomics, 2005, 4, 914-923.	3.8	60
25	Steroid receptors and vertebrate evolution. Molecular and Cellular Endocrinology, 2019, 496, 110526.	3.2	60
26	Endocrine Activity of Plant-Derived Compounds: An Evolutionary Perspective. Experimental Biology and Medicine, 1995, 208, 131-138.	2.4	59
27	Adrenal and sex steroid receptor evolution: environmental implications. Journal of Molecular Endocrinology, 2001, 26, 119-125.	2.5	58
28	Licorice and enzymes other than 11Î²-hydroxysteroid dehydrogenase: An evolutionary perspective. Steroids, 1994, 59, 136-141.	1.8	56
29	Unusual evolution of 11?- and 17?-hydroxysteroid and retinol dehydrogenases. BioEssays, 1996, 18, 63-70.	2.5	56
30	Evolution of Glucocorticoid and Mineralocorticoid Responses: Go Fish. Endocrinology, 2003, 144, 4223-4225.	2.8	56
31	Variation of the genetic expression pattern after exposure to estradiol-17Î² and 4-nonylphenol in male zebrafish (Danio rerio). General and Comparative Endocrinology, 2008, 158, 138-144.	1.8	55
32	Analysis of Endocrine Disruption in Southern California Coastal Fish Using an Aquatic Multispecies Microarray. Environmental Health Perspectives, 2009, 117, 223-230.	6.0	52
33	Evolutionary analysis of 11Î²-hydroxysteroid dehydrogenase-type 1, -type 2, -type 3 and 17Î²-hydroxysteroid dehydrogenase-type 2 in fish. FEBS Letters, 2004, 574, 167-170.	2.8	51
34	The 11-ketosteroid 11-ketodexamethasone is a glucocorticoid receptor agonist. Molecular and Cellular Endocrinology, 2004, 214, 27-37.	3.2	51
35	The promiscuous estrogen receptor: Evolution of physiological estrogens and response to phytochemicals and endocrine disruptors. Journal of Steroid Biochemistry and Molecular Biology, 2018, 184, 29-37.	2.5	51
36	Xenobiotics and the Evolution of Multicellular Animals: Emergence and Diversification of Ligand-Activated Transcription Factors. Integrative and Comparative Biology, 2005, 45, 172-178.	2.0	50

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37	Structural analysis of the evolution of steroid specificity in the mineralocorticoid and glucocorticoid receptors. BMC Evolutionary Biology, 2007, 7, 24.	3.2	49
38	Recent insights into the origins of adrenal and sex steroid receptors. Journal of Molecular Endocrinology, 2002, 28, 149-152.	2.5	48
39	Sequence analysis of steroid- and prostaglandin-metabolizing enzymes: Application to understanding catalysis. Steroids, 1994, 59, 248-258.	1.8	47
40	3D Models of MBP, a Biologically Active Metabolite of Bisphenol A, in Human Estrogen Receptor Î± and Estrogen Receptor Î². PLoS ONE, 2012, 7, e46078.	2.5	47
41	Genealogy of regulation of human sex and adrenal function, prostaglandin action, snapdragon and petunia flower colors, antibiotics, and nitrogen fixation: functional diversity from two ancestral dehydrogenases. Steroids, 1991, 56, 354-360.	1.8	46
42	Albumin's role in steroid hormone action and the origins of vertebrates: is albumin an essential protein?. FEBS Letters, 1998, 439, 9-12.	2.8	45
43	Hepatic reduction of the secondary bile acid 7-oxolithocholic acid is mediated by 11Î²-hydroxysteroid dehydrogenase 1. Biochemical Journal, 2011, 436, 621-629.	3.7	45
44	What are the physiological estrogens?. Steroids, 2013, 78, 337-340.	1.8	45
45	Effect of protease inhibitors and substrates on deoxycorticosterone binding to its receptor in dog MDCK kidney cells. Nature, 1977, 269, 810-812.	27.8	44
46	Systems Biology Analysis Reveals Eight SLC22 Transporter Subgroups, Including OATs, OCTs, and OCTNs. International Journal of Molecular Sciences, 2020, 21, 1791.	4.1	44
47	A common ancestor for human placental 17Î²â€hydroxysteroid dehydrogenase, Streptomyces coelicolor actIII protein, and Drosophila melanogaster alcohol dehydrogenase. FASEB Journal, 1990, 4, 222-226.	0.5	43
48	Trichoplax, the simplest known animal, contains an estrogen-related receptor but no estrogen receptor: Implications for estrogen receptor evolution. Biochemical and Biophysical Research Communications, 2008, 375, 623-627.	2.1	43
49	Neofunctionalization of Androgen Receptor by Gain-of-Function Mutations in Teleost Fish Lineage. Molecular Biology and Evolution, 2016, 33, 228-244.	8.9	41
50	Evolution of regulation of steroid-mediated intercellular communication in vertebrates: Insights from flavonoids, signals that mediate plant-rhizobia symbiosis. Journal of Steroid Biochemistry and Molecular Biology, 1992, 41, 301-308.	2.5	40
51	Evolution of human, chicken, alligator, frog, and zebrafish mineralocorticoid receptors: Allosteric influence on steroid specificity. Science Signaling, 2018, 11, .	3.6	40
52	Mammalian peripheral-type benzodiazepine receptor is homologous to CrtK protein of rhodobacter capsulatus, a photosynthetic bacterium. Cell, 1991, 65, 721-722.	28.9	39
53	Hidden Markov Model Analysis of Motifs in Steroid Dehydrogenases and Their Homologs. Biochemical and Biophysical Research Communications, 1997, 231, 760-766.	2.1	38
54	Molecular staging of marine medaka: A model organism for marine ecotoxicity study. Marine Pollution Bulletin, 2011, 63, 309-317.	5.0	38

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55	Insights from the structure of estrogen receptor into the evolution of estrogens: Implications for endocrine disruption. Biochemical Pharmacology, 2011, 82, 1-8.	4.4	38
56	Transcriptional analysis of endocrine disruption using zebrafish and massively parallel sequencing. Journal of Molecular Endocrinology, 2014, 52, R241-R256.	2.5	38
57	Hexose-6-phosphate Dehydrogenase Modulates 11Î²-Hydroxysteroid Dehydrogenase Type 1-Dependent Metabolism of 7-keto- and 7Î²-hydroxy-neurosteroids. PLoS ONE, 2007, 2, e561.	2.5	38
58	SEQUENCES OF INTEREST: Human Placental 17Î²-Hydroxysteroid Dehydrogenase is Homologous to NodG Protein ofRhizobium meliloti. Molecular Endocrinology, 1989, 3, 881-884.	3.7	37
59	Chicken Sterol Carrier Protein m2/Sterol Carrier Protein x: cDNA Cloning Reveals Evolutionary Conservation of Structure and Regulated Expression. Archives of Biochemistry and Biophysics, 1993, 304, 287-293.	3.0	37
60	Spinach CSP41, an mRNA-Binding Protein and Ribonuclease, Is Homologous to Nucleotide-Sugar Epimerases and Hydroxysteroid Dehydrogenases. Biochemical and Biophysical Research Communications, 1998, 248, 250-254.	2.1	37
61	Inhibition by protease inhibitors of binding of adrenal and sex steroid hormones. Journal of Supramolecular Structure, 1978, 9, 421-426.	2.3	35
62	Synthesis and biological activity of 28-homobrassinolide and analogues. Phytochemistry, 1994, 36, 585-589.	2.9	34
63	Progesterone: An enigmatic ligand for the mineralocorticoid receptor. Biochemical Pharmacology, 2020, 177, 113976.	4.4	34
64	PHYSIOLOGICAL â€œCONSTANTSâ€•FOR PBPK MODELS FOR PREGNANCY. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1997, 52, 385-401.	2.3	31
65	Licorice, computer-based analyses of dehydrogenase sequences, and the regulation of steroid and prostaglandin action. Molecular and Cellular Endocrinology, 1991, 78, C99-C102.	3.2	30
66	Corticosteroid and progesterone transactivation of mineralocorticoid receptors from Amur sturgeon and tropical gar. Biochemical Journal, 2016, 473, 3655-3665.	3.7	30
67	Transcriptional activation of elephant shark mineralocorticoid receptor by corticosteroids, progesterone, and spironolactone. Science Signaling, 2019, 12, .	3.6	30
68	Glutamate-115 renders specificity of human 11Î²-hydroxysteroid dehydrogenase type 2 for the cofactor NAD+. Molecular and Cellular Endocrinology, 2003, 201, 177-187.	3.2	29
69	Molecular Analysis of Endocrine Disruption in Hornyhead Turbot at Wastewater Outfalls in Southern California Using a Second Generation Multi-Species Microarray. PLoS ONE, 2013, 8, e75553.	2.5	27
70	Amino acid sequence homology between rat prostatic steroid binding protein and rabbit uteroglobin. Biochemical and Biophysical Research Communications, 1983, 114, 325-330.	2.1	26
71	Adding a positive charge at residue 46 ofDrosophilaalcohol dehydrogenase increases cofactor specificity for NADP+. FEBS Letters, 1994, 356, 81-85.	2.8	26
72	Analysis of a large cluster of SLC22 transporter genes, including novel USTs, reveals species-specific amplification of subsets of family members. Physiological Genomics, 2009, 38, 116-124.	2.3	26

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73	Hexose-6-phosphate dehydrogenase modulates the effect of inhibitors and alternative substrates of 11Î²-hydroxysteroid dehydrogenase 1. Molecular and Cellular Endocrinology, 2009, 301, 117-122.	3.2	26
74	Evolution of 11Î²â€hydroxysteroid dehydrogenaseâ€type 1 and 11Î²â€hydroxysteroid dehydrogenaseâ€type 3. FEBS Letters, 2010, 584, 2279-2284.	2.8	26
75	3D models of human ERÎ± and ERÎ² complexed with coumestrol. Steroids, 2014, 80, 37-43.	1.8	26
76	Inhibition of Streptomyces hydrogenans 3Î±,20Î²-hydroxysteroid dehydrogenase by licorice-derived compounds and crystallization of an enzyme-cofactor-inhibitor complex. Journal of Steroid Biochemistry and Molecular Biology, 1992, 42, 849-853.	2.5	25
77	Flavonoids as Hormones. Advances in Experimental Medicine and Biology, 1998, , 249-267.	1.6	25
78	The Characterization of the ?-Subunits of 7S Nerve Growth Factor. Journal of Neurochemistry, 1980, 34, 850-855.	3.9	24
79	Structures Stabilizing the Dimer Interface on Human 11Î²-Hydroxysteroid Dehydrogenase Types 1 and 2 and Human 15-Hydroxyprostaglandin Dehydrogenase and Their Homologs. Biochemical and Biophysical Research Communications, 1995, 217, 859-868.	2.1	23
80	Allosteric role of the amino-terminal A/B domain on corticosteroid transactivation of gar and human glucocorticoid receptors. Journal of Steroid Biochemistry and Molecular Biology, 2015, 154, 112-119.	2.5	23
81	Structures important in mammalian 11Î²- and 17Î²-hydroxysteroid dehydrogenases. Journal of Steroid Biochemistry and Molecular Biology, 1995, 55, 589-600.	2.5	22
82	Analysis of 3D models of octopus estrogen receptor with estradiol: Evidence for steric clashes that prevent estrogen binding. Biochemical and Biophysical Research Communications, 2007, 361, 782-788.	2.1	22
83	TIP30, a cofactor for HIV-1 Tat-activated transcription, is homologous to short-chain dehydrogenases/reductases. Current Biology, 1999, 9, R471.	3.9	21
84	Hydroxysteroid dehydrogenases: ancient and modern regulators of adrenal and sex steroid action. Molecular and Cellular Endocrinology, 2001, 175, 1-4.	3.2	21
85	A common ancestor for Candida tropicalis and dehydrogenases that synthesize antibiotics and steroids. FASEB Journal, 1990, 4, 3028-3032.	0.5	20
86	Biological effects of marine contaminated sediments on Sparus aurata juveniles. Aquatic Toxicology, 2011, 104, 308-316.	4.0	20
87	Competitive inhibition of dexamethasone binding to the glucocorticoid receptor in HTC cells by tryptophan methyl ester. The Journal of Steroid Biochemistry, 1980, 13, 993-995.	1.1	19
88	Evolution of Enzymatic regulation of prostaglandin action: Novel connections to regulation of human sex and adrenal function, antibiotic synthesis and nitrogen fixation. Prostaglandins, 1991, 42, 391-410.	1.2	19
89	Evolution of mammalian 11Î²- and 17Î²-hydroxysteroid dehydrogenases-type 2 and retinol dehydrogenases from ancestors in Caenorhabditis elegans and evidence for horizontal transfer of a eukaryote dehydrogenase to E. coli. Journal of Steroid Biochemistry and Molecular Biology, 1998, 66, 355-363.	2.5	19
90	Mutation of tyrosine-194 and lysine-198 in the catalytic site of pig 3Î±/Î²,20Î²-hydroxysteroid dehydrogenase. Biochemical Journal, 1998, 334, 553-557.	3.7	19

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91	Role of Pro-637 and Gln-642 in human glucocorticoid receptors and Ser-843 and Leu-848 in mineralocorticoid receptors in their differential responses to cortisol and aldosterone. Journal of Steroid Biochemistry and Molecular Biology, 2016, 159, 31-40.	2.5	19
92	Similarities between legumeâ€“rhizobium communication and steroid-mediated intercellular communication in vertebrates. Canadian Journal of Microbiology, 1992, 38, 541-547.	1.7	18
93	Amphioxus, a Primitive Chordate, Is on Steroids: Evidence for Sex Steroids and Steroidogenic Enzymes. Endocrinology, 2007, 148, 3551-3553.	2.8	18
94	11Î²-Hydroxysteroid dehydrogenase-type 2 evolved from an ancestral 17Î²-Hydroxysteroid dehydrogenase-type 2. Biochemical and Biophysical Research Communications, 2010, 399, 215-220.	2.1	18
95	Genomic and phenotypic response of hornyhead turbot exposed to municipal wastewater effluents. Aquatic Toxicology, 2013, 140-141, 174-184.	4.0	17
96	The genetic response to Snowball Earth: role of HSP90 in the Cambrian explosion. Geobiology, 2006, 4, 11-14.	2.4	16
97	Progesterone activation of zebrafish mineralocorticoid receptor may influence growth of some transplanted tumors. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2908-E2909.	7.1	16
98	Similarity between tyrosylâ€tRNA synthetase and the estrogen receptor. FASEB Journal, 1989, 3, 2086-2088.	0.5	15
99	Evolution of the thyroid hormone, retinoic acid, ecdysone and liver X receptors. Integrative and Comparative Biology, 2006, 46, 815-826.	2.0	15
100	3D models of human ERÎ± and ERÎ² complexed with 5-androsten-3Î²,17Î²-diol. Steroids, 2012, 77, 1192-1197.	1.8	15
101	Fluorescent Ligand for Human Progesterone Receptor Imaging in Live Cells. Bioconjugate Chemistry, 2013, 24, 766-771.	3.6	15
102	Protease substrates inhibit binding of 3H-R5020 to the G-fragment in chick oviduct cytosol. Biochemical and Biophysical Research Communications, 1982, 108, 1067-1073.	2.1	14
103	3D Model of Lamprey Estrogen Receptor with Estradiol and 15Î±-Hydroxy-Estradiol. PLoS ONE, 2009, 4, e6038.	2.5	14
104	3D model of amphioxus steroid receptor complexed with estradiol. Biochemical and Biophysical Research Communications, 2009, 386, 516-520.	2.1	14
105	Evolution of corticosteroid specificity for human, chicken, alligator and frog glucocorticoid receptors. Steroids, 2016, 113, 38-45.	1.8	14
106	Binding of the chymotrypsin substrate, tryptophan methyl ester, by rat Î±-fetoprotein. Biochimica Et Biophysica Acta - General Subjects, 1980, 632, 611-618.	2.4	13
107	Inhibition of estrogen binding to rat alpha-fetoprotein by tryptophan p-nitrophenyl esters. The Journal of Steroid Biochemistry, 1982, 16, 503-507.	1.1	13
108	Gossypol inhibits estrogen binding to rat /-fetoprotein. FEBS Letters, 1984, 175, 41-44.	2.8	13

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109	Evolution of the Mineralocorticoid Receptor. Vitamins and Hormones, 2019, 109, 17-36.	1.7	13
110	Structures Important in NAD(P)(H) Specificity for Mammalian Retinol and 11-Cis-Retinol Dehydrogenases. Biochemical and Biophysical Research Communications, 1996, 226, 118-127.	2.1	12
111	Motif analysis of amphioxus, lamprey and invertebrate estrogen receptors: Toward a better understanding of estrogen receptor evolution. Biochemical and Biophysical Research Communications, 2008, 371, 724-728.	2.1	12
112	A novel steroidal antiandrogen targeting wild type and mutant androgen receptors. Biochemical Pharmacology, 2011, 82, 1651-1662.	4.4	12
113	N-terminal domain regulates steroid activation of elephant shark glucocorticoid and mineralocorticoid receptors. Journal of Steroid Biochemistry and Molecular Biology, 2021, 210, 105845.	2.5	12
114	Inhibition of 3,5,3'-triiodothyronine binding to its receptor in rat liver by protease inhibitors and substrates. Molecular and Cellular Endocrinology, 1993, 93, 81-86.	3.2	11
115	Expanding the structural footprint of xenoestrogens. Endocrine Disruptors (Austin, Tex), 2014, 2, e967138.	1.1	11
116	Aldosterone and dexamethasone activate African lungfish mineralocorticoid receptor: Increased activation after removal of the amino-terminal domain. Journal of Steroid Biochemistry and Molecular Biology, 2022, 215, 106024.	2.5	11
117	Diethylpyrocarbonate inhibition of estrogen binding to rat alpha-fetoprotein: Evidence that one or more histidine residues regulate estrogen binding. Biochemical and Biophysical Research Communications, 1981, 98, 976-982.	2.1	10
118	Evolution of metamorphosis: role of environment on expression of mutant nuclear receptors and other signal-transduction proteins. Integrative and Comparative Biology, 2006, 46, 808-814.	2.0	10
119	3D models of lamprey progesterone receptor complexed with progesterone, 7Î±-hydroxy-progesterone and 15Î±-hydroxy-progesterone. Steroids, 2011, 76, 169-176.	1.8	10
120	3D models of lamprey corticoid receptor complexed with 11-deoxycortisol and deoxycorticosterone. Steroids, 2011, 76, 1451-1457.	1.8	10
121	Human tissue-type plasminogen activator is related to albumin and alpha-fetoprotein. FEBS Letters, 1985, 182, 47-52.	2.8	9
122	Mutation of threonine-241 to proline eliminates autocatalytic modification of human carbonyl reductase. Biochemical Journal, 2000, 350, 89-92.	3.7	9
123	A second estrogen receptor from Japanese lamprey (Lethenteron japonicum) does not have activities for estrogen binding and transcription. General and Comparative Endocrinology, 2016, 236, 105-114.	1.8	9
124	Licorice-derived compounds inhibit linoleic acid (C:18:2Ï‰6) desaturation in soybean chloroplasts. FEBS Letters, 1995, 368, 135-138.	2.8	8
125	Application of a targeted endocrine q-PCR panel to monitor the effects of pollution in southern California flatfish. Endocrine Disruptors (Austin, Tex), 2014, 2, e969598.	1.1	8
126	Evolutionary analysis of the segment from helix 3 through helix 5 in vertebrate progesterone receptors. Journal of Steroid Biochemistry and Molecular Biology, 2012, 132, 32-40.	2.5	7

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127	Divergent evolution of progesterone and mineralocorticoid receptors in terrestrial vertebrates and fish influences endocrine disruption. Biochemical Pharmacology, 2022, 198, 114951.	4.4	7
128	Evolution of permease diversity and energy-coupling mechanisms with special reference to the bacterial phosphotransferase system. Biochimica Et Biophysica Acta - Bioenergetics, 1990, 1018, 248-251.	1.0	6
129	Evaluation of reproductive endocrine status in hornyhead turbot sampled from Southern California's urbanized coastal environments. Environmental Toxicology and Chemistry, 2012, 31, 2689-2700.	4.3	6
130	Differences in catalytic activity between rat testicular and ovarian carbonyl reductases are due to two amino acids. FEBS Letters, 2006, 580, 67-71.	2.8	5
131	Biological responses of marine flatfish exposed to municipal wastewater effluent. Environmental Toxicology and Chemistry, 2014, 33, 583-591.	4.3	5
132	Structural and evolutionary analysis of the co-activator binding domain in vertebrate progesterone receptors. Journal of Steroid Biochemistry and Molecular Biology, 2014, 141, 7-15.	2.5	5
133	Mutation of threonine-241 to proline eliminates autocatalytic modification of human carbonyl reductase. Biochemical Journal, 2000, 350, 89.	3.7	4
134	Deletion of 12 carboxyl-terminal residues from pig 3Î±/Î²,20Î²-hydroxysteroid dehydrogenase affects steroid metabolism. BBA - Proteins and Proteomics, 2001, 1550, 175-182.	2.1	4
135	Detection and functional portrayal of a novel class of dihydrotestosterone derived selective progesterone receptor modulators (SPRM). Journal of Steroid Biochemistry and Molecular Biology, 2015, 147, 111-123.	2.5	4
136	Amino acid sequence homology between the C3 chain of rat prostatic steroid binding protein and human alpha2-macroglobulin. Biochemical and Biophysical Research Communications, 1984, 122, 662-667.	2.1	3
137	Evidence that progesterone binding uteroglobin is similar to myosin alkali light chain. FEBS Letters, 1985, 189, 188-194.	2.8	3
138	Location of enzymatic and DNA-binding domains on E. coli protease La. FEBS Letters, 1989, 244, 31-33.	2.8	3
139	Bacterial 3Î±-hydroxysteroid dehydrogenase is homologous to a fusion of bacterial ribosomal L10 and genes. Journal of Steroid Biochemistry and Molecular Biology, 1996, 59, 365-366.	2.5	3
140	Chick oviduct progesterone receptor binding of 15Î²,17-dihydroxyprogesterone and its analogues. Steroids, 1984, 43, 153-158.	1.8	2
141	Rat 3Î±-Hydroxysteroid Dehydrogenase: To Oxidize or Reduce, that Is the Question. Endocrinology, 2006, 147, 1589-1590.	2.8	2
142	Cysteine-10 on 17<i>Î²</i>-Hydroxysteroid Dehydrogenase 1 Has Stabilizing Interactions in the Cofactor Binding Region and Renders Sensitivity to Sulfhydryl Modifying Chemicals. International Journal of Cell Biology, 2013, 2013, 1-8.	2.5	2
143	The microbiome as a target for endocrine disruptors: Novel chemicals may disrupt androgen and microbiome-mediated autoimmunity. Endocrine Disruptors (Austin, Tex), 2014, 2, e964539.	1.1	2
144	Regulation by Progestins, Corticosteroids, and RU486 of Transcriptional Activation of Elephant Shark and Human Progesterone Receptors: An Evolutionary Perspective. ACS Pharmacology and Translational Science, 2022, 5, 52-61.	4.9	2

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145	Evolution of estrogen binding in rat and mouse alpha-fetoprotein. BioEssays, 1989, 11, 112-114.	2.5	1
146	Activity versus Peroxisomal Targeting of PerCR. Structure, 2008, 16, 331-332.	3.3	1
147	Hexose-6-phosphate dehydrogenase modulates the effect of inhibitors and alternative substrates of 11[beta]-hydroxysteroid dehydrogenase 1. Nature Precedings, 2008, , .	0.1	1
148	Independent elaboration of steroid hormone signaling pathways in Metazoans. Nature Precedings, 2009, , .	0.1	1
149	Steroid Receptors, Evolution of. , 2004, , 312-319.		1
150	Motif analysis of amphioxus, lamprey and invertebrate estrogen receptors and amphioxus and human estrogen-related receptors: Towards a better understanding of estrogen receptor evolution. Nature Precedings, 2008, , .	0.1	0
151	Motif analysis of amphioxus, lamprey and invertebrate estrogen receptors and amphioxus and human estrogen-related receptors: Towards a better understanding of estrogen receptor evolution. Nature Precedings, 2008, , .	0.1	0
152	Trichoplax, the simplest known animal, contains an estrogen-related receptor: Implications for the evolution of vertebrate and invertebrate estrogen receptors. Nature Precedings, 2008, , .	0.1	0
153	Trichoplax, the simplest known animal, contains an estrogen-related receptor but no estrogen receptor: Implications for estrogen receptor evolution. Nature Precedings, 2008, , .	0.1	0
154	Dibutyltin Disrupts Glucocorticoid Receptor Function and Impairs Glucocorticoid-induced Suppression of Cytokine Production. Nature Precedings, 2008, , .	0.1	0
155	3D model of amphioxus steroid receptor complexed with estradiol. Nature Precedings, 2009, , .	0.1	0
156	Evolution of 11[beta]-Hydroxysteroid Dehydrogenase-Type 1 and 11[beta]-Hydroxysteroid Dehydrogenase-type 3. Nature Precedings, 2010, , .	0.1	0
157	11[beta]-hydroxysteroid dehydrogenase-type 2 evolved from an ancestral 17[beta]-hydroxysteroid dehydrogenase-type 2. Nature Precedings, 2010, , .	0.1	0
158	Origin and diversification of steroids: Co-evolution of enzymes and nuclear receptors. Nature Precedings, 2010, , .	0.1	0
159	Insights from the Structure of Estrogen Receptor into the Evolution of Estrogens: Implications for Endocrine Disruption. Nature Precedings, 2011, , .	0.1	0
160	3D models of lamprey corticoid receptor complexed with 11-deoxycortisol and deoxycorticosterone. Nature Precedings, 2011, , .	0.1	0
161	11Î±-Hydroxycorticosterone. , 2021, , 943-945.		0
162	Hypergravity squat as an alternative to classical squat and potential countermeasure to microgravity. FASEB Journal, 2007, 21, A952.	0.5	0