

Karl-Heinz Storbeck

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

2,189
citations

257357

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all docs

67
docs citations

67
times ranked

2148
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential activity and expression of human 5 β -reductase (AKR1D1) splice variants. Journal of Molecular Endocrinology, 2021, 66, 181-194.	1.1	3
2	Peripheral blood mononuclear cells preferentially activate 11-oxygenated androgens. European Journal of Endocrinology, 2021, 184, 353-363.	1.9	11
3	Clinical and Hormonal Profiles Correlate With Molecular Characteristics in Patients With 11 β -Hydroxylase Deficiency. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e3714-e3724.	1.8	20
4	Computational modelling of the β 4 and β 5 adrenal steroidogenic pathways provides insight into hypocortisolism. Molecular and Cellular Endocrinology, 2021, 526, 111194.	1.6	1
5	11-Oxygenated Estrogens Are a Novel Class of Human Estrogens but Do not Contribute to the Circulating Estrogen Pool. Endocrinology, 2021, 162, .	1.4	18
6	The role of adrenal derived androgens in castration resistant prostate cancer. Journal of Steroid Biochemistry and Molecular Biology, 2020, 197, 105506.	1.2	37
7	The importance of mass spectrometry in unravelling steroid action in breast cancer. Current Opinion in Endocrine and Metabolic Research, 2020, 15, 57-62.	0.6	2
8	Bidirectional crosstalk between Hypoxia-Inducible Factor and glucocorticoid signalling in zebrafish larvae. PLoS Genetics, 2020, 16, e1008757.	1.5	26
9	The A-ring reduction of 11-ketotestosterone is efficiently catalysed by AKR1D1 and SRD5A2 but not SRD5A1. Journal of Steroid Biochemistry and Molecular Biology, 2020, 202, 105724.	1.2	13
10	Revisiting Classical 3 β -hydroxysteroid Dehydrogenase 2 Deficiency: Lessons from 31 Pediatric Cases. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e1718-e1728.	1.8	20
11	The P450 side-chain cleavage enzyme Cyp11a2 facilitates steroidogenesis in zebrafish. Journal of Endocrinology, 2020, 244, 309-321.	1.2	22
12	11 β -Hydroxylase loss disrupts steroidogenesis and reproductive function in zebrafish. Journal of Endocrinology, 2020, 247, 197-212.	1.2	14
13	Title is missing!. , 2020, 16, e1008757.		0
14	Title is missing!. , 2020, 16, e1008757.		0
15	Title is missing!. , 2020, 16, e1008757.		0
16	Title is missing!. , 2020, 16, e1008757.		0
17	Title is missing!. , 2020, 16, e1008757.		0
18	Title is missing!. , 2020, 16, e1008757.		0

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19	Human steroid biosynthesis, metabolism and excretion are differentially reflected by serum and urine steroid metabolomes: A comprehensive review. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 194, 105439.	1.2	225
20	Ferredoxin 1b Deficiency Leads to Testis Disorganization, Impaired Spermatogenesis, and Feminization in Zebrafish. <i>Endocrinology</i> , 2019, 160, 2401-2416.	1.4	14
21	Differential metabolism of clinically-relevant progestogens in cell lines and tissue: Implications for biological mechanisms. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 189, 145-153.	1.2	12
22	Steroid Metabolome Analysis in Disorders of Adrenal Steroid Biosynthesis and Metabolism. <i>Endocrine Reviews</i> , 2019, 40, 1605-1625.	8.9	84
23	Canonical and Noncanonical Androgen Metabolism and Activity. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1210, 239-277.	0.8	8
24	Analysis of multiple vitamin D metabolites by ultra-performance supercritical fluid chromatography-tandem mass spectrometry (UPSFC-MS/MS). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1087-1088, 43-48.	1.2	25
25	The utility of ultra-high performance supercritical fluid chromatography-tandem mass spectrometry (UHPSFC-MS/MS) for clinically relevant steroid analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1085, 36-41.	1.2	38
26	Steroid metabolism in breast cancer: Where are we and what are we missing?. <i>Molecular and Cellular Endocrinology</i> , 2018, 466, 86-97.	1.6	30
27	Data comparing the separation and elution of vitamin D metabolites on an ultra performance supercritical fluid chromatography tandem-mass spectrometer (UPSFC-MS/MS) compared to liquid chromatography (LC) and data presenting approaches to UPSFC method optimization. <i>Data in Brief</i> , 2018, 20, 426-435.	0.5	0
28	11-Oxygenated androgen precursors are the preferred substrates for aldo-keto reductase 1C3 (AKR1C3): Implications for castration resistant prostate cancer. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 183, 192-201.	1.2	51
29	Intracrine androgen biosynthesis, metabolism and action revisited. <i>Molecular and Cellular Endocrinology</i> , 2018, 465, 4-26.	1.6	144
30	Modified release and conventional glucocorticoids and diurnal androgen excretion in congenital adrenal hyperplasia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, jc.2016-2855.	1.8	38
31	11-Oxygenated C19 Steroids Are the Predominant Androgens in Polycystic Ovary Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 840-848.	1.8	192
32	A new dawn for androgens: Novel lessons from 11-oxygenated C19 steroids. <i>Molecular and Cellular Endocrinology</i> , 2017, 441, 76-85.	1.6	112
33	Progestins used in endocrine therapy and the implications for the biosynthesis and metabolism of endogenous steroid hormones. <i>Molecular and Cellular Endocrinology</i> , 2017, 441, 31-45.	1.6	11
34	Genetic Disruption of 21-Hydroxylase in Zebrafish Causes Interrenal Hyperplasia. <i>Endocrinology</i> , 2017, 158, 4165-4173.	1.4	24
35	11-Ketotestosterone and 11-Ketodihydrotestosterone in Castration Resistant Prostate Cancer: Potent Androgens Which Can No Longer Be Ignored. <i>PLoS ONE</i> , 2016, 11, e0159867.	1.1	113
36	Fourth-Generation Progestins Inhibit 3 β -Hydroxysteroid Dehydrogenase Type 2 and Modulate the Biosynthesis of Endogenous Steroids. <i>PLoS ONE</i> , 2016, 11, e0164170.	1.1	8

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37	High-throughput analysis of 19 endogenous androgenic steroids by ultra-performance convergence chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1031, 131-138.	1.2	69
38	11 β -hydroxyandrostenedione: Downstream metabolism by 11 β HSD, 17 β HSD and SRD5A produces novel substrates in familiar pathways. <i>Molecular and Cellular Endocrinology</i> , 2015, 408, 114-123.	1.6	55
39	Relative contribution of P450c17 towards the acute cortisol response: Lessons from sheep and goats. <i>Molecular and Cellular Endocrinology</i> , 2015, 408, 107-113.	1.6	6
40	Cytochrome b5 modulates multiple reactions in steroidogenesis by diverse mechanisms. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 151, 66-73.	1.2	25
41	Advances in the analytical methodologies: Profiling steroids in familiar pathways-challenging dogmas. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 153, 80-92.	1.2	45
42	Rooibos influences glucocorticoid levels and steroid ratios in vivo and in vitro: <sc>A</sc> natural approach in the management of stress and metabolic disorders?. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 537-549.	1.5	18
43	A comparative study of the androgenic properties of progesterone and the progestins, medroxyprogesterone acetate (MPA) and norethisterone acetate (NET-A). <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 143, 404-415.	1.2	44
44	Cytochrome b5: Novel roles in steroidogenesis. <i>Molecular and Cellular Endocrinology</i> , 2013, 371, 87-99.	1.6	30
45	11 β -Hydroxydihydrotestosterone and 11-ketodihydrotestosterone, novel C19 steroids with androgenic activity: A putative role in castration resistant prostate cancer?. <i>Molecular and Cellular Endocrinology</i> , 2013, 377, 135-146.	1.6	148
46	11 β -Hydroxyandrostenedione, the product of androstenedione metabolism in the adrenal, is metabolized in LNCaP cells by 5 α -reductase yielding 11 β -hydroxy-5 α -androstenedione. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 138, 132-142.	1.2	80
47	Allosteric interaction between 3 β -hydroxysteroid dehydrogenase/5 α - β isomerase and cytochrome b ₅ influences cofactor binding. <i>FASEB Journal</i> , 2013, 27, 322-332.	0.2	3
48	Cortisol production in sheep is influenced by the functional expression of two cytochrome P450 17 α -hydroxylase/17,20-lyase (CYP17) isoforms. <i>Journal of Animal Science</i> , 2013, 91, 1193-1206.	0.2	9
49	11 β -Hydroxyandrostenedione Returns to the Steroid Arena: Biosynthesis, Metabolism and Function. <i>Molecules</i> , 2013, 18, 13228-13244.	1.7	46
50	Cytochrome b5 forms homomeric complexes in living cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2012, 132, 311-321.	1.2	7
51	The influence of <i>Aspalathus linearis</i> (Rooibos) and dihydrochalcones on adrenal steroidogenesis: Quantification of steroid intermediates and end products in H295R cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2012, 128, 128-138.	1.2	75
52	16 α -Hydroxyprogesterone: Origin, biosynthesis and receptor interaction. <i>Molecular and Cellular Endocrinology</i> , 2011, 336, 92-101.	1.6	22
53	Cytochrome b5 augments 3 β -hydroxysteroid dehydrogenase/5 α - β isomerase activity. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2011, 127, 238-247.	1.2	12
54	A single amino acid residue, Ala 105, confers 16 α -hydroxylase activity to human cytochrome P450 17 α -hydroxylase/17,20 lyase. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010, 119, 112-120.	1.2	41

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55	Hypocortisolism in the South African Angora goat: The role of 3 β HSD. <i>Molecular and Cellular Endocrinology</i> , 2010, 315, 182-187.	1.6	9
56	CYP17 causes hypocortisolism in the South African Angora goat. <i>Molecular and Cellular Endocrinology</i> , 2009, 300, 121-125.	1.6	7
57	Characterization of a family 54 α -L-arabinofuranosidase from <i>Aureobasidium pullulans</i> . <i>Applied Microbiology and Biotechnology</i> , 2008, 77, 975-983.	1.7	35
58	The development of an ultra performance liquid chromatography-coupled atmospheric pressure chemical ionization mass spectrometry assay for seven adrenal steroids. <i>Analytical Biochemistry</i> , 2008, 372, 11-20.	1.1	31
59	Two CYP17 genes in the South African Angora goat (<i>Capra hircus</i>) – the identification of three genotypes that differ in copy number and steroidogenic output. <i>FEBS Journal</i> , 2008, 275, 3934-3943.	2.2	9
60	The Identification of Two CYP17 Alleles in the South African Angora Goat. <i>Drug Metabolism Reviews</i> , 2007, 39, 467-480.	1.5	20
61	Evidence for the functional role of residues in the B α -C loop of baboon cytochrome P450 side-chain cleavage (CYP11A1) obtained by site-directed mutagenesis, kinetic analysis and homology modelling. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2007, 103, 65-75.	1.2	1
62	Cytochrome P450 side-chain cleavage: Insights gained from homology modeling. <i>Molecular and Cellular Endocrinology</i> , 2007, 265-266, 65-70.	1.6	20
63	The Influence of the Amino Acid Substitution I98K on the Catalytic Activity of Baboon Cytochrome P450 Side-chain Cleavage (CYP11A1). <i>Endocrine Research</i> , 2004, 30, 761-767.	0.6	5