Karl-Heinz Storbeck

List of Publications by Year
in descending order

63	2,189	257357	233338
papers	citations	24 h-index	45 g-index

67	67	67	2148
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Human steroid biosynthesis, metabolism and excretion are differentially reflected by serum and urine steroid metabolomes: A comprehensive review. Journal of Steroid Biochemistry and Molecular Biology, 2019, 194, 105439.	1.2	225
2	11-Oxygenated C19 Steroids Are the Predominant Androgens in Polycystic Ovary Syndrome. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 840-848.	1.8	192
3	11Î²-Hydroxydihydrotestosterone and 11-ketodihydrotestosterone, novel C19 steroids with androgenic activity: A putative role in castration resistant prostate cancer?. Molecular and Cellular Endocrinology, 2013, 377, 135-146.	1.6	148
4	Intracrine androgen biosynthesis, metabolism and action revisited. Molecular and Cellular Endocrinology, 2018, 465, 4-26.	1.6	144
5	11-Ketotestosterone and 11-Ketodihydrotestosterone in Castration Resistant Prostate Cancer: Potent Androgens Which Can No Longer Be Ignored. PLoS ONE, 2016, 11, e0159867.	1.1	113
6	A new dawn for androgens: Novel lessons from 11-oxygenated C19 steroids. Molecular and Cellular Endocrinology, 2017, 441, 76-85.	1.6	112
7	Steroid Metabolome Analysis in Disorders of Adrenal Steroid Biosynthesis and Metabolism. Endocrine Reviews, 2019, 40, 1605-1625.	8.9	84
8	11Î²-Hydroxyandrostenedione, the product of androstenedione metabolism in the adrenal, is metabolized in LNCaP cells by 5Î±-reductase yielding 11Î²-hydroxy-5Î±-androstanedione. Journal of Steroid Biochemistry and Molecular Biology, 2013, 138, 132-142.	1.2	80
9	The influence of Aspalathus linearis (Rooibos) and dihydrochalcones on adrenal steroidogenesis: Quantification of steroid intermediates and end products in H295R cells. Journal of Steroid Biochemistry and Molecular Biology, 2012, 128, 128-138.	1.2	75
10	High-throughput analysis of 19 endogenous androgenic steroids by ultra-performance convergence chromatography tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1031, 131-138.	1.2	69
11	11Î²-hydroxyandrostenedione: Downstream metabolism by 11Î²HSD, 17Î²HSD and SRD5A produces novel substrates in familiar pathways. Molecular and Cellular Endocrinology, 2015, 408, 114-123.	1.6	55
12	11-Oxygenated androgen precursors are the preferred substrates for aldo-keto reductase 1C3 (AKR1C3): Implications for castration resistant prostate cancer. Journal of Steroid Biochemistry and Molecular Biology, 2018, 183, 192-201.	1.2	51
13	11Î²-Hydroxyandrostenedione Returns to the Steroid Arena: Biosynthesis, Metabolism and Function. Molecules, 2013, 18, 13228-13244.	1.7	46
14	Advances in the analytical methodologies: Profiling steroids in familiar pathways-challenging dogmas. Journal of Steroid Biochemistry and Molecular Biology, 2015, 153, 80-92.	1.2	45
15	A comparative study of the androgenic properties of progesterone and the progestins, medroxyprogesterone acetate (MPA) and norethisterone acetate (NET-A). Journal of Steroid Biochemistry and Molecular Biology, 2014, 143, 404-415.	1.2	44
16	A single amino acid residue, Ala 105, confers 16Î±-hydroxylase activity to human cytochrome P450 17Î±-hydroxylase/17,20 lyase. Journal of Steroid Biochemistry and Molecular Biology, 2010, 119, 112-120.	1.2	41
17	Modified release and conventional glucocorticoids and diurnal androgen excretion in congenital adrenal hyperplasia. Journal of Clinical Endocrinology and Metabolism, 2017, 102, jc.2016-2855.	1.8	38
18	The utility of ultra-high performance supercritical fluid chromatographyâ€“tandem mass spectrometry (UHPSFC-MS/MS) for clinically relevant steroid analysis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1085, 36-41.	1.2	38

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19	The role of adrenal derived androgens in castration resistant prostate cancer. Journal of Steroid Biochemistry and Molecular Biology, 2020, 197, 105506.	1.2	37
20	Characterization of a family 54 Î±-l-arabinofuranosidase from Aureobasidium pullulans. Applied Microbiology and Biotechnology, 2008, 77, 975-983.	1.7	35
21	The development of an ultra performance liquid chromatography-coupled atmospheric pressure chemical ionization mass spectrometry assay for seven adrenal steroids. Analytical Biochemistry, 2008, 372, 11-20.	1.1	31
22	Cytochrome b5: Novel roles in steroidogenesis. Molecular and Cellular Endocrinology, 2013, 371, 87-99.	1.6	30
23	Steroid metabolism in breast cancer: Where are we and what are we missing?. Molecular and Cellular Endocrinology, 2018, 466, 86-97.	1.6	30
24	Bidirectional crosstalk between Hypoxia-Inducible Factor and glucocorticoid signalling in zebrafish larvae. PLoS Genetics, 2020, 16, e1008757.	1.5	26
25	Cytochrome b5 modulates multiple reactions in steroidogenesis by diverse mechanisms. Journal of Steroid Biochemistry and Molecular Biology, 2015, 151, 66-73.	1.2	25
26	Analysis of multiple vitamin D metabolites by ultra-performance supercritical fluid chromatography-tandem mass spectrometry (UPSFC-MS/MS). Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1087-1088, 43-48.	1.2	25
27	Genetic Disruption of 21-Hydroxylase in Zebrafish Causes Interrenal Hyperplasia. Endocrinology, 2017, 158, 4165-4173.	1.4	24
28	16Î±-Hydroxyprogesterone: Origin, biosynthesis and receptor interaction. Molecular and Cellular Endocrinology, 2011, 336, 92-101.	1.6	22
29	The P450 side-chain cleavage enzyme Cyp11a2 facilitates steroidogenesis in zebrafish. Journal of Endocrinology, 2020, 244, 309-321.	1.2	22
30	The Identification of Two CYP17 Alleles in the South African Angora Goat. Drug Metabolism Reviews, 2007, 39, 467-480.	1.5	20
31	Cytochrome P450 side-chain cleavage: Insights gained from homology modeling. Molecular and Cellular Endocrinology, 2007, 265-266, 65-70.	1.6	20
32	Revisiting Classical 3Î²-hydroxysteroid Dehydrogenase 2 Deficiency: Lessons from 31 Pediatric Cases. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e1718-e1728.	1.8	20
33	Clinical and Hormonal Profiles Correlate With Molecular Characteristics in Patients With 11Î²-Hydroxylase Deficiency. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e3714-e3724.	1.8	20
34	Rooibos influences glucocorticoid levels and steroid ratios in vivo and in vitro: <scp>A</scp> natural approach in the management of stress and metabolic disorders?. Molecular Nutrition and Food Research, 2014, 58, 537-549.	1.5	18
35	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
36	Ferredoxin 1b Deficiency Leads to Testis Disorganization, Impaired Spermatogenesis, and Feminization in Zebrafish. Endocrinology, 2019, 160, 2401-2416.	1.4	14

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37	11Î²-Hydroxylase loss disrupts steroidogenesis and reproductive function in zebrafish. Journal of Endocrinology, 2020, 247, 197-212.	1.2	14
38	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
39	Cytochrome b5 augments 3Î²-hydroxysteroid dehydrogenase/Î”5-Î”4 isomerase activity. Journal of Steroid Biochemistry and Molecular Biology, 2011, 127, 238-247.	1.2	12
40	Differential metabolism of clinically-relevant progestogens in cell lines and tissue: Implications for biological mechanisms. Journal of Steroid Biochemistry and Molecular Biology, 2019, 189, 145-153.	1.2	12
41	Progestins used in endocrine therapy and the implications for the biosynthesis and metabolism of endogenous steroid hormones. Molecular and Cellular Endocrinology, 2017, 441, 31-45.	1.6	11
42	Peripheral blood mononuclear cells preferentially activate 11-oxygenated androgens. European Journal of Endocrinology, 2021, 184, 353-363.	1.9	11
43	Two CYP17 genes in the South African Angora goat (Capra hircus) â€“ the identification of three genotypes that differ in copy number and steroidogenic output. FEBS Journal, 2008, 275, 3934-3943.	2.2	9
44	Hypocortisolism in the South African Angora goat: The role of 3Î²HSD. Molecular and Cellular Endocrinology, 2010, 315, 182-187.	1.6	9
45	Cortisol production in sheep is influenced by the functional expression of two cytochrome P450 17Î±-hydroxylase/17,20-lyase (CYP17) isoformsl. Journal of Animal Science, 2013, 91, 1193-1206.	0.2	9
46	Fourth-Generation Progestins Inhibit 3Î²-Hydroxysteroid Dehydrogenase Type 2 and Modulate the Biosynthesis of Endogenous Steroids. PLoS ONE, 2016, 11, e0164170.	1.1	8
47	Canonical and Noncanonical Androgen Metabolism and Activity. Advances in Experimental Medicine and Biology, 2019, 1210, 239-277.	0.8	8
48	CYP17 causes hypocortisolism in the South African Angora goat. Molecular and Cellular Endocrinology, 2009, 300, 121-125.	1.6	7
49	Cytochrome b5 forms homomeric complexes in living cells. Journal of Steroid Biochemistry and Molecular Biology, 2012, 132, 311-321.	1.2	7
50	Relative contribution of P450c17 towards the acute cortisol response: Lessons from sheep and goats. Molecular and Cellular Endocrinology, 2015, 408, 107-113.	1.6	6
51	The Influence of the Amino Acid Substitution I98K on the Catalytic Activity of Baboon Cytochrome P450 Sideâ€Chain Cleavage (CYP11A1). Endocrine Research, 2004, 30, 761-767.	0.6	5
52	Allosteric interaction between 3Î²â€hydroxysteroid dehydrogenase/Î”⁵â€Î”⁴isomerase and cytochrome b₅influences cofactor binding. FASEB Journal, 2013, 27, 322-332.	0.2	3
53	Differential activity and expression of human 5Î²-reductase (AKR1D1) splice variants. Journal of Molecular Endocrinology, 2021, 66, 181-194.	1.1	3
54	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

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55	Evidence for the functional role of residues in the Bâ€²â€“C loop of baboon cytochrome P450 side-chain cleavage (CYP11A1) obtained by site-directed mutagenesis, kinetic analysis and homology modelling. Journal of Steroid Biochemistry and Molecular Biology, 2007, 103, 65-75.	1.2	1
56	Computational modelling of the Î”4 and Î”5 adrenal steroidogenic pathways provides insight into hypocortisolism. Molecular and Cellular Endocrinology, 2021, 526, 111194.	1.6	1
57	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. Data in Brief, 2018, 20, 426-435.	0.5	0
58	Title is missing!. , 2020, 16, e1008757.		0
59	Title is missing!. , 2020, 16, e1008757.		0
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