Michaela F Hartmann

List of Publications by Year
in descending order

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52 papers	1,264 citations	489802 18 h-index	425179 34 g-index
52 all docs	52 docs citations	52 times ranked	1797 citing authors

#	Article	IF	Citations
1	Urinary cortisol metabolites are reduced in MDR1 mutant dogs in a pilot targeted GCâ€MS urinary steroid hormone metabolome analysis. Journal of Veterinary Pharmacology and Therapeutics, 2022, , .	0.6	1
2	Metabolic effects of estradiol versus testosterone in complete androgen insensitivity syndrome. Endocrine, 2022, 76, 722-732.	1.1	4
3	Long-Term Follow-Up of Three Family Members with a Novel NNT Pathogenic Variant Causing Primary Adrenal Insufficiency. Genes, 2022, 13, 717.	1.0	6
4	The Steroid Metabolome and Breast Cancer Risk in Women with a Family History of Breast Cancer: The Novel Role of Adrenal Androgens and Glucocorticoids. Cancer Epidemiology Biomarkers and Prevention, 2021, 30, 89-96.	1.1	8
5	Targeted disruption of galectin 3 in mice delays the first wave of spermatogenesis and increases germ cell apoptosis. Cellular and Molecular Life Sciences, 2021, 78, 3621-3635.	2.4	2
6	Sex-specific differences in HPA axis activity in VLBW preterm newborns. Endocrine Connections, 2021, 10, 214-219.	0.8	3
7	Impact of Gestational and Postmenstrual Age on Excretion of Fetal Zone Steroids in Preterm Infants Determined by Gas Chromatography-Mass Spectrometry. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e3725-e3738.	1.8	5
8	Fetal Zone Steroids and Estrogen Show Sex Specific Effects on Oligodendrocyte Precursor Cells in Response to Oxidative Damage. International Journal of Molecular Sciences, 2021, 22, 6586.	1.8	4
9	Personalized approach to childhood obesity: Lessons from gut microbiota and omics studies. Narrative review and insights from the 29th European childhood obesity congress. Pediatric Obesity, 2021, 16, e12835.	1.4	10
10	Late diagnosis of 3Î²-Hydroxysteroid dehydrogenase deficiency: the pivotal role of gas chromatography-mass spectrometry urinary steroid metabolome analysis and a novel homozygous nonsense mutation in the HSD3B2 gene. Journal of Pediatric Endocrinology and Metabolism, 2021, 34, 131-136.	0.4	6
11	Lopinavir-Ritonavir Impairs Adrenal Function in Infants. Clinical Infectious Diseases, 2020, 71, 1030-1039.	2.9	7
12	Steroid Metabolomic Signature of Insulin Resistance in Childhood Obesity. Diabetes Care, 2020, 43, 405-410.	4.3	18
13	Cortisol and 11 beta-hydroxysteroid dehydrogenase type 2 as potential determinants of renal citrate excretion in healthy children. Endocrine, 2020, 67, 442-448.	1.1	6
14	The mole genome reveals regulatory rearrangements associated with adaptive intersexuality. Science, 2020, 370, 208-214.	6.0	41
15	Urinary GCâ€“MS steroid metabotyping in treated children with congenital adrenal hyperplasia.. Metabolism: Clinical and Experimental, 2020, 112, 154354.	1.5	14
16	Influence of Prenatal Environment on Androgen Steroid Metabolism In Monozygotic Twins With Birthweight Differences. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e3672-e3687.	1.8	4
17	Influence of isotopically labeled internal standards on quantification of serum/plasma 17Î±-hydroxyprogesterone (17OHP) by liquid chromatography mass spectrometry. Clinical Chemistry and Laboratory Medicine, 2020, 58, 1731-1739.	1.4	5
18	Elevated CCL2 causes Leydig cell malfunction in metabolic syndrome. JCI Insight, 2020, 5, .	2.3	12

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19	Height Velocity Defined Metabolic Control in Children With Congenital Adrenal Hyperplasia Using Urinary Steroid GC-MS Analysis. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 4214-4224.	1.8	13
20	The human adrenal gland as a drug metabolizer: First in-vivo evidence for the conversion of steroidal drugs. Journal of Steroid Biochemistry and Molecular Biology, 2019, 194, 105438.	1.2	5
21	Age and cognitive status dependent differences in blood steroid and thyroid hormone concentrations in intact male rats. Behavioral and Brain Functions, 2019, 15, 10.	1.4	9
22	Quantitative targeted GC-MS-based urinary steroid metabolome analysis for treatment monitoring of adolescents and young adults with autoimmune primary adrenal insufficiency. Steroids, 2019, 150, 108426.	0.8	7
23	Glucocorticoids and Body Fat Inversely Associate With Bone Marrow Density of the Distal Radius in Healthy Youths. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 2250-2256.	1.8	3
24	Temporal expression pattern of steroid-metabolizing enzymes in bovine COC during inÂvitro maturation employing different gonadotropin concentrations. Theriogenology, 2019, 131, 182-192.	0.9	10
25	Performance of LCâ€“MS/MS and immunoassay based 24-h urine free cortisol in the diagnosis of Cushing's syndrome. Journal of Steroid Biochemistry and Molecular Biology, 2019, 190, 193-197.	1.2	24
26	Gonadotropin- and Adrenocorticotropic Hormone-Independent Precocious Puberty of Gonadal Origin in a Patient with Adrenal Hypoplasia Congenita Due to DAX1 Gene Mutation â€“ A Case Report and Review of the Literature: Implications for the Pathomechanism. Hormone Research in Paediatrics, 2019, 91, 336-345.	0.8	12
27	Steroid metabolomic signature of liver disease in nonsyndromic childhood obesity. Endocrine Connections, 2019, 8, 764-771.	0.8	7
28	Vanishing 17-Hydroxyprogesterone Concentrations in 21-Hydroxylase Deficiency. Hormone Research in Paediatrics, 2018, 90, 138-144.	0.8	3
29	Current state and recommendations for harmonization of serum/plasma 17-hydroxyprogesterone mass spectrometry methods. Clinical Chemistry and Laboratory Medicine, 2018, 56, 1685-1697.	1.4	14
30	Androgen excess is due to elevated 11-oxygenated androgens in treated children with congenital adrenal hyperplasia. Journal of Steroid Biochemistry and Molecular Biology, 2018, 178, 221-228.	1.2	53
31	Oestrogen versus androgen in hormone-replacement therapy for complete androgen insensitivity syndrome: a multicentre, randomised, double-dummy, double-blind crossover trial. Lancet Diabetes and Endocrinology,the, 2018, 6, 771-780.	5.5	35
32	Reproductive performance primarily depends on the female genotype in a two-factorial breeding experiment using high-fertility mouse lines. Reproduction, 2017, 153, 361-368.	1.1	16
33	Characterization of the Micro-Environment of the Testis that Shapes the Phenotype and Function of Testicular Macrophages. Journal of Immunology, 2017, 198, 4327-4340.	0.4	86
34	The urinary steroidome of treated children with classic 21-hydroxylase deficiency. Journal of Steroid Biochemistry and Molecular Biology, 2017, 165, 396-406.	1.2	27
35	The role of sulfated steroid hormones in reproductive processes. Journal of Steroid Biochemistry and Molecular Biology, 2017, 172, 207-221.	1.2	70
36	High Glucocorticoid Response to 24-h-Shift Stressors in Male but Not in Female Physicians. Frontiers in Endocrinology, 2017, 8, 171.	1.5	4

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37	Higher diet-dependent renal acid load associates with higher glucocorticoid secretion and potentially bioactive free glucocorticoids in healthy children. Kidney International, 2016, 90, 325-333.	2.6	46
38	Role of steroid sulfatase in steroid homeostasis and characterization of the sulfated steroid pathway: Evidence from steroid sulfatase deficiency. Molecular and Cellular Endocrinology, 2016, 437, 142-153.	1.6	41
39	Diagnosis of 21-hydroxylase deficiency by urinary metabolite ratios using gas chromatographyâ€“mass spectrometry analysis: Reference values for neonates and infants. Journal of Steroid Biochemistry and Molecular Biology, 2016, 156, 10-16.	1.2	30
40	Phenotypic, metabolic, and molecular genetic characterization of six patients with congenital adrenal hyperplasia caused by novel mutations in the CYP11B1 gene. Journal of Steroid Biochemistry and Molecular Biology, 2016, 155, 126-134.	1.2	20
41	High levels of oxysterol sulfates in serum of patients with steroid sulfatase deficiency. Journal of Lipid Research, 2015, 56, 403-412.	2.0	25
42	Simultaneous quantification of cholesterol sulfate, androgen sulfates, and progestagen sulfates in human serum by LC-MS/MS. Journal of Lipid Research, 2015, 56, 1843-1851.	2.0	64
43	Increased left ventricular mass in hypercortisolemic depressed patients: A hypothesis based on a case series. Medical Hypotheses, 2014, 83, 730-732.	0.8	5
44	Peer group normalization and urine to blood context in steroid metabolomics: The case of CAH and obesity. Steroids, 2014, 88, 83-89.	0.8	15
45	Do depressed patients without activation of the hypothalamusâ€“pituitaryâ€“adrenal (HPA) system have metabolic disturbances?. Psychoneuroendocrinology, 2014, 39, 104-110.	1.3	15
46	Reduced Activity of 11Î²-Hydroxylase Accounts for Elevated 17Î±-Hydroxyprogesterone in Preterms. Journal of Pediatrics, 2014, 165, 280-284.	0.9	27
47	The balance of cortisolâ€“cortisone interconversion is shifted towards cortisol in neonates with congenital adrenal hyperplasia due to 21-hydroxylase deficiency. Journal of Steroid Biochemistry and Molecular Biology, 2014, 143, 386-391.	1.2	6
48	Sexual dimorphism in cortisol secretion starts after age 10 in healthy children: urinary cortisol metabolite excretion rates during growth. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E970-E976.	1.8	85
49	Persistent High Activity of the Fetal Adrenal Cortex in Preterm Infants: Is there a Clinical Significance?. Journal of Pediatric Endocrinology and Metabolism, 2006, 19, 1303-12.	0.4	24
50	Assessing Cortisol Production in Preterm Infants: Do Not Dispose of the Nappies. Pediatric Research, 2005, 57, 412-418.	1.1	35
51	Cortisol Production Rates in Preterm Infants in Relation to Growth and Illness: A Noninvasive Prospective Study Using Gas Chromatography-Mass Spectrometry. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 5737-5742.	1.8	71
52	Urinary Markers of Adrenarche: Reference Values in Healthy Subjects, Aged 3â€“18 Years. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 2015-2021.	1.8	201