

List of Publications 2018-2022

Jahr	Titel	Autoren	Journal	DOI
2022	B-cell homeostasis is maintained during two months of head-down tilt bed rest with or without antioxidant supplementation	Bonnefoy J, Baselet B, Moser D, Ghislin S, Ferreira Da Silva Miranda S, Riant E, Vermeesen R, Keiler AM, Baatout S, Choukér A, Fripiat J-P	Front Immunol, 13:830662. 2022 Feb 16	10.3389/fimmu.2022.830662
	Circulating inflammatory markers, cell-free mitochondrial DNA, cortisol, endocannabinoids, and N-acyl ethanolamines in female depressed outpatients	Behnke A, Gumpff AM, Rojas R, Sänger T, Lutz-Bonengel S, Moser D, Schelling G, Krumbholz A, Kolassa IT	World J Biol Psychiatry. 2022 May 9:1-12	10.1080/15622975.2022.2070666
	Androgenic properties of the dietary supplement 5 α -hydroxy-laxogenin	Beer C, Keiler AM	Arch Toxicol. 2022 Jul;96(7):2139-2142	10.1007/s00204-022-03283-5
	Medaka embryos as a model for metabolism of anabolic steroids	Liu L, Hobohm L, Bredendiek F, Froschauer A, Zierau O, Parr MK, Keiler AM	Arch Toxicol. 2022 Jul;96(7):1963-1974	10.1007/s00204-022-03284-4
	Application of single hair analysis in a doping case involving amphetamine	Wiedfeld C, Skopp G, Thieme D, Musshoff F	Drug Test Anal. 2022 Apr;14(4):781-784	10.1002/dta.3217
2021	Agreement of steroid profiles in Athlete Biological Passport residues and corresponding serum samples	König S, Rzeppa S, Thieme D, Keiler AM	Drug Test Anal. 2022 Sep 6	10.1002/dta.3365
	Cell culture as a toolbox to generate phase I metabolites for antidoping screening	Savill R, Baues H, Voigt E, Zierau O, Thieme D, Keiler AM	Drug Test Anal. 2021 Jun;13(6):1169-1177	10.1002/dta.3009
	New insights into the metabolism of methyltestosterone and metandienone: Detection of novel A-ring reduced metabolites	Loke S, Liu L, Wenzel M, Scheffler H, Iannone M, de la Torre X, Schröder N, Botré F, Keiler AM, Burek M, Parr MK	Molecules 2021, Mar 3 26(5), 1354	10.3390/molecules26051354
	Emergence of the less common cannabinoid $\Delta 8$ -Tetrahydrocannabinol in a doping sample	Rzeppa S, Große J, Rautenberg C, Thieme D, Lepp T, Vallimäe H, Keiler AM	Drug Test Anal. 2021 Nov;13(11-12):1936-1943	10.1002/dta.3159
	HepG2 as promising cell-based model for biosynthesis of long-term metabolites – exemplified for Metandienone	Zschiesche A, Chundela Z, Thieme D, Keiler AM	Drug Test Anal. 2022 Feb;14(2):298-306	10.1002/dta.3184
2020	Hair-based biomarkers in women with major depressive disorder: Glucocorticoids, endocannabinoids, N-acyl ethanolamines, and testosterone	Behnke A, Gumpff AM, Krumbholz A, Bach AM, Schelling G, Kolassa IT, Rojas R	Compr Psychoneuroendocrinol. 2021 Jun 21;7:100068	10.1016/j.cpnec.2021.100068
	Semen quality and testicular adrenal rest tumour development in 46,XY congenital adrenal hyperplasia: the importance of optimal hormonal replacement.	Rohayem J, Bäumer LM, Zitzmann M, Fricke-Otto S, Mohnike K, Gohlke B, Reschke F, Jourdan C, Müller HL, Dunstheimer D, Weigel J, Jorch N, Müller-Rosberg E, Lankes E, Gätjen I, Richter-Unruh A, Hauffa BP, Kliesch S, Krumbholz A, Brämwig J	Eur J Endocrinol. 2021 Apr;184(4):487-501	10.1530/EJE-20-1154
	Associating Emergency Medical Services personnel's workload, trauma exposure, and health with the cortisol, endocannabinoid, and N-acyl ethanolamine concentrations in their hair	Behnke A, Karabatsakis A, Krumbholz A, Karrasch S, Schelling G, Kolassa IT, Rojas R	Sci Rep. 2020 Dec 29;10(1):22403	10.1038/s41598-020-79859-x
	Detection of the selective androgen receptor modulator GSK2881078 and metabolites in urine and hair after single oral administration	Rading A, Anielski P, Thieme D, Keiler AM	Drug Test Anal. 2021 Jan;13(1):217-222	10.1002/dta.2943
	Exploring the Utility of Hair Endocannabinoids for Monitoring Homeostasis in Bonobos	Behringer V, Krumbholz A, Stevens JMG, Keiler AM, Zierau O, Hohmann G	Physiol Biochem Zool. Mar-Apr 2021;94(2):83-98.	10.1086/712658
2019	Chronic Exposure to Low-Dose Carbon Monoxide Alters Hemoglobin Mass and V O ₂ max	Schmidt WFJ, Hoffmeister T, Haupt S, Schwenke D, Wachsmuth NB, Byrnes WC	Med Sci Sports Exerc. 2020 Sep;52(9):1879-1887	10.1249/MSS.0000000000002330.
	Comparison of the three SARMs RAD 140, GLPG0492 and GSK 2881078 in two different in vitro bioassays, and in an in silico androgen receptor binding assay	Zierau O, Kolodziejczyk A, Vollmer G, Machalz D, Wolber G, Thieme D, Keiler AM	J Steroid Biochem Mol Biol. 2019 May;189:81-86	10.1016/j.jsbmb.2019.02.014
	Steroid 17-Hydroxyprogesterone in Hair Is a Potential Long-Term Biomarker of Androgen Control in Congenital Adrenal Hyperplasia due to 21-Hydroxylase Deficiency	Auer MK, Krumbholz A, Bidlingmaier M, Thieme D, Reisch N	Neuroendocrinology. 2020;110(11-12):938-949	10.1159/000504672
	Stress Related Shift Toward Inflammation in Cosmonauts After Long-Duration Space Flight	Buchheim JJ, Matzel S, Rykova M, Vassilieva G, Ponomarev S, Nichiporuk I, Hörli M, Moser D, Biere K, Feurecker M, Schelling G, Thieme D, Kaufmann I, Thiel M, Choukér A	Front Physiol. 2019 Feb 19;10:85	10.3389/fphys.2019.00085
	In vitro metabolism of selected bioactive compounds of <i>Eurycoma longifolia</i> root extract to identify suitable markers in doping control	Bräuer P, Anielski P, Schwaiger S, Stuppner H, Tran TVA, Vollmer G, Zierau O, Thieme D, Keiler AM	Drug Test Anal. 2019 Jan;11(1):86-94	10.1002/dta.2449
2018	Influence of estrogen on individual exercise motivation and bone protection in ovariectomized rats	Müller ST, Keiler AM, Kräker K, Zierau O, Bernhardt R.	Lab Anim. 2018 Oct;52(5):479-489	10.1177/0023677218756455
	Androgen- and estrogen-receptor mediated activities of 4-hydroxytestosterone, 4-hydroxyandrostenedione and their human metabolites in yeast based assays	Keiler AM, Zierau O, Wolf S, Diel P, Schänzer W, Vollmer G, Machalz D, Wolber G, Parr MK	Toxicol Lett. 2018 Aug; 292:39-45	10.1016/j.toxlet.2018.04.026
	Erythropoietic effects of low-dose cobalt application	Hoffmeister T, Schwenke D, Wachsmuth N, Krug O, Thevis M, Byrnes WC, Schmidt WFJ	Drug Test Anal. 2019 Feb;11(2):200-207	10.1002/dta.2478
	Effects of 3 Weeks of Oral Low-Dose Cobalt on Hemoglobin Mass and Aerobic Performance	Hoffmeister T, Schwenke D, Krug O, Wachsmuth N, Geyer H, Thevis M, Byrnes WC, Schmidt WFJ	Front Physiol. 2018 Sep 19;9:1289	10.3389/fphys.2018.01289
	Determination of hydroxy metabolites of cocaine in hair samples for proof of consumption	Musshoff F, Thieme D, Schwarz G, Sachs H, Skopp G, Franz T	Drug Test Anal. 2018 Apr;10(4):681-688	10.1002/dta.2317
	The plasma protein binding of the endogenous glucocorticosteroids is of vital importance for the concentrations in hair and saliva	Krumbholz A, Schönfelder M, Hofmann H, Thieme D	Forensic Sci Int. 2018 May;286:23-30	10.1016/j.forsciint.2018.01.030
	Modulations of Neuroendocrine Stress Responses During Confinement in Antarctica and the Role of Hypobaric Hypoxia	Strewe C, Thieme D, Dangosse C, Fiedel B, van den Berg F, Bauer H, Salam AP, Gössmann-Lang P, Campolongo P, Moser D, Quintens R, Moreels M, Baatout S, Kohlberg E, Schelling G, Choukér A, Feurecker M	Front Physiol. 2018 Nov 26;9:1647	10.3389/fphys.2018.01647