

Martin Hill

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3211791/martin-hill-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

184
papers

3,735
citations

36
h-index

51
g-index

192
ext. papers

4,233
ext. citations

4.3
avg, IF

5.05
L-index

#	Paper	IF	Citations
184	Crucial problems in regression modelling and their solutions. <i>Analyst, The</i> , 2002 , 127, 433-50	5	125
183	Meal Frequency and Timing Are Associated with Changes in Body Mass Index in Adventist Health Study 2. <i>Journal of Nutrition</i> , 2017 , 147, 1722-1728	4.1	104
182	Dehydroepiandrosterone: a neuroactive steroid. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015 , 145, 254-60	5.1	95
181	Eating two larger meals a day (breakfast and lunch) is more effective than six smaller meals in a reduced-energy regimen for patients with type 2 diabetes: a randomised crossover study. <i>Diabetologia</i> , 2014 , 57, 1552-60	10.3	95
180	Insulin sensitivity in women with polycystic ovary syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 2942-5	5.6	95
179	Associations of bisphenol A and polychlorinated biphenyls with spermatogenesis and steroidogenesis in two biological fluids from men attending an infertility clinic. <i>Environment International</i> , 2016 , 89-90, 166-73	12.9	87
178	Identification of isoflavonoids in beer. <i>Steroids</i> , 1998 , 63, 14-20	2.8	86
177	Steroid metabolome in plasma from the umbilical artery, umbilical vein, maternal cubital vein and in amniotic fluid in normal and preterm labor. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010 , 121, 594-610	5.1	83
176	Neurosteroids: Cerebrospinal fluid levels for Alzheimer's disease and vascular dementia diagnostics. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 5199-206	5.6	76
175	Characterization of micromechanical structures using white-light interferometry. <i>Measurement Science and Technology</i> , 2003 , 14, 1807-1814	2	74
174	Insulin sensitivity and counter-regulatory hormones in hypothyroidism and during thyroid hormone replacement therapy. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005 , 43, 715-20	5.9	69
173	Development and validation of LC-MS/MS method for quantification of bisphenol A and estrogens in human plasma and seminal fluid. <i>Talanta</i> , 2015 , 140, 62-67	6.2	66
172	Abdominal radical trachelectomy in fertility-sparing treatment of early-stage cervical cancer. <i>International Journal of Gynecological Cancer</i> , 2009 , 19, 1407-11	3.5	65
171	Radioimmunoassay of free genistein in human serum. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1998 , 64, 261-8	5.1	58
170	Steroid profiling in pregnancy: a focus on the human fetus. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014 , 139, 201-22	5.1	56
169	Steroid metabolome in fetal and maternal body fluids in human late pregnancy. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010 , 122, 114-32	5.1	56
168	Insulin sensitivity and beta-cell function in women with polycystic ovary syndrome. <i>Diabetes Care</i> , 2002 , 25, 1217-22	14.6	53

167	Division of lymphatic vessels at varicocelectomy leads to testicular oedema and decline in testicular function according to the LH-RH analogue stimulation test. <i>European Urology</i> , 2003 , 43, 430-5	10.2	52
166	Transformation in the PC-aided biochemical data analysis. <i>Clinical Chemistry and Laboratory Medicine</i> , 2000 , 38, 553-9	5.9	52
165	Incretin levels in polycystic ovary syndrome. <i>European Journal of Endocrinology</i> , 2008 , 159, 121-7	6.5	50
164	Development of a portable electroanalytical system for the stripping voltammetry of metals: Determination of copper in acetic acid soil extracts. <i>Analytica Chimica Acta</i> , 2005 , 552, 190-200	6.6	50
163	Circulating levels of pregnanolone isomers during the third trimester of human pregnancy. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2007 , 105, 166-75	5.1	48
162	Serum concentrations of some neuroactive steroids in women suffering from mixed anxiety-depressive disorder. <i>Neurochemical Research</i> , 2000 , 25, 1623-7	4.6	48
161	Peripheral neuroactive steroids may be as good as the steroids in the cerebrospinal fluid for the diagnostics of CNS disturbances. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010 , 119, 35-44	5.1	47
160	A Plant-Based Dietary Intervention Improves Beta-Cell Function and Insulin Resistance in Overweight Adults: A 16-Week Randomized Clinical Trial. <i>Nutrients</i> , 2018 , 10,	6.7	43
159	Determination of steroid metabolome as a possible tool for laboratory diagnosis of schizophrenia. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013 , 133, 77-83	5.1	43
158	Neuroactive pregnanolone isomers during pregnancy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 395-403	5.6	43
157	Altered profiles of serum neuroactive steroids in premenopausal women treated for alcohol addiction. <i>Steroids</i> , 2005 , 70, 515-24	2.8	41
156	Sex- and age-related changes in epitestosterone in relation to pregnenolone sulfate and testosterone in normal subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 2225-31	5.6	41
155	Immunoassay of 7-hydroxysteroids: 2. Radioimmunoassay of 7 α -hydroxy-dehydroepiandrosterone. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1999 , 71, 231-7	5.1	41
154	Protection against dextran sodium sulfate-induced colitis by dehydroepiandrosterone and 7 α -hydroxy-dehydroepiandrosterone in the rat. <i>Steroids</i> , 2006 , 71, 240-8	2.8	39
153	Low-dose estrogen combined oral contraceptives may negatively influence physiological bone mineral density acquisition during adolescence. <i>European Journal of Endocrinology</i> , 2012 , 166, 1003-11	6.5	38
152	Comparison of a high-carbohydrate and high-protein breakfast effect on plasma ghrelin, obestatin, NPY and PYY levels in women with anorexia and bulimia nervosa. <i>Nutrition and Metabolism</i> , 2012 , 9, 52	4.6	37
151	Neuroactive steroids, their precursors, and polar conjugates during parturition and postpartum in maternal and umbilical blood: 1. Identification and simultaneous determination of pregnanolone isomers. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2000 , 75, 237-44	5.1	37
150	Marked elevation of adrenal steroids, especially androgens, in saliva of prepubertal autistic children. <i>European Child and Adolescent Psychiatry</i> , 2014 , 23, 485-98	5.5	36

149	Serum profiles of free and conjugated neuroactive pregnanolone isomers in nonpregnant women of fertile age. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 3092-9	5.6	36
148	The UCP1 gene polymorphism A-3826G in relation to DM2 and body composition in Czech population. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2007 , 115, 303-7	2.3	35
147	Immunoassay of 7-hydroxysteroids: 1. Radioimmunoassay of 7beta-hydroxy dehydroepiandrosterone. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1998 , 67, 439-45	5.1	34
146	Laparoscopic greater curvature plication in morbidly obese women with type 2 diabetes: effects on glucose homeostasis, postprandial triglyceridemia and selected gut hormones. <i>Obesity Surgery</i> , 2014 , 24, 718-26	3.7	33
145	The role of "mixed" orexigenic and anorexigenic signals and autoantibodies reacting with appetite-regulating neuropeptides and peptides of the adipose tissue-gut-brain axis: relevance to food intake and nutritional status in patients with anorexia nervosa and bulimia nervosa. <i>International Journal of Endocrinology</i> , 2013 , 2013, 483145	2.7	33
144	Two neuroactive steroids in midpregnancy as measured in maternal and fetal sera and in amniotic fluid. <i>Steroids</i> , 2002 , 67, 399-402	2.8	32
143	Dehydroepiandrosterone, its metabolites and ion channels. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015 , 145, 293-314	5.1	31
142	Interpretation of sex hormone-binding globulin levels in thyroid disorders. <i>Thyroid</i> , 2003 , 13, 755-60	6.2	30
141	Immunoanalysis of isoflavonoids in <i>Pisum sativum</i> and <i>Vigna radiata</i> . <i>Plant Science</i> , 1999 , 148, 111-119	5.3	30
140	New methodology of influential point detection in regression model building for the prediction of metabolic clearance rate of glucose. <i>Clinical Chemistry and Laboratory Medicine</i> , 2004 , 42, 311-22	5.9	28
139	Differential acute postprandial effects of processed meat and isocaloric vegan meals on the gastrointestinal hormone response in subjects suffering from type 2 diabetes and healthy controls: a randomized crossover study. <i>PLoS ONE</i> , 2014 , 9, e107561	3.7	28
138	Elimination of cross-reactivity by addition of an excess of cross-reactant for radioimmunoassay of 17alpha-hydroxypregnenolone. <i>Steroids</i> , 1999 , 64, 341-55	2.8	26
137	Voltammetric behaviour at gold electrodes immersed in the BCR sequential extraction scheme media: Application of underpotential deposition stripping voltammetry to determination of copper in soil extracts. <i>Analytica Chimica Acta</i> , 2004 , 502, 195-206	6.6	25
136	Neuroactive steroids, their precursors and polar conjugates during parturition and postpartum in maternal blood: 2. Time profiles of pregnanolone isomers. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2001 , 78, 51-7	5.1	25
135	Free testosterone and free dihydrotestosterone throughout the life span of men. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2009 , 116, 118-20	5.1	24
134	Relationships of circulating pregnanolone isomers and their polar conjugates to the status of sex, menstrual cycle, and pregnancy. <i>Journal of Endocrinology</i> , 2007 , 195, 67-78	4.7	24
133	Steroid sulfatase and sulfuryl transferase activity in monkey brain tissue. <i>Steroids</i> , 2005 , 70, 960-9	2.8	24
132	Effect of a Low-Fat Vegan Diet on Body Weight, Insulin Sensitivity, Postprandial Metabolism, and Intramyocellular and Hepatocellular Lipid Levels in Overweight Adults: A Randomized Clinical Trial. <i>JAMA Network Open</i> , 2020 , 3, e2025454	10.4	24

131	Lipidomic analysis of plasma, erythrocytes and lipoprotein fractions of cardiovascular disease patients using UHPLC/MS, MALDI-MS and multivariate data analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015 , 990, 52-63	3.2	23
130	Age relationships and sex differences in serum levels of pregnenolone and 17-hydroxypregnenolone in healthy subjects. <i>Clinical Chemistry and Laboratory Medicine</i> , 1999 , 37, 439-47	5.9	23
129	Glucose homeostasis and insulin resistance: prevalence, gender differences and predictors in adolescents. <i>Diabetology and Metabolic Syndrome</i> , 2014 , 6, 100	5.6	22
128	Prevalence of insulin resistance and prediction of glucose intolerance and type 2 diabetes mellitus in women with polycystic ovary syndrome. <i>Clinical Chemistry and Laboratory Medicine</i> , 2007 , 45, 639-44	5.9	21
127	7-Hydroxydehydroepiandrosterone epimers in human serum and saliva. Comparison of gas chromatography-mass spectrometry and radioimmunoassay. <i>Journal of Chromatography A</i> , 2001 , 935, 297-307	4.5	21
126	Fetal complications due to intrahepatic cholestasis of pregnancy. <i>Journal of Perinatal Medicine</i> , 2015 , 43, 133-9	2.7	20
125	Factors affecting spontaneous voiding recovery after radical hysterectomy. <i>International Journal of Gynecological Cancer</i> , 2010 , 20, 685-90	3.5	20
124	Immunomodulatory 7-hydroxylated metabolites of dehydroepiandrosterone are present in human semen. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2000 , 75, 273-6	5.1	20
123	7-Hydroxydehydroepiandrosterone epimers in the life span. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2001 , 78, 367-72	5.1	20
122	Prebiotics Do Not Influence the Severity of Atopic Dermatitis in Infants: A Randomised Controlled Trial. <i>PLoS ONE</i> , 2015 , 10, e0142897	3.7	20
121	The steroid metabolome in lamotrigine-treated women with epilepsy. <i>Steroids</i> , 2011 , 76, 1351-7	2.8	19
120	Role of D327N sex hormone-binding globulin gene polymorphism in the pathogenesis of polycystic ovary syndrome. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2007 , 104, 68-74	5.1	19
119	Plasma levels of 7-hydroxylated dehydroepiandrosterone (DHEA) metabolites and selected amino-thiols as discriminatory tools of Alzheimer's disease and vascular dementia. <i>Clinical Chemistry and Laboratory Medicine</i> , 2004 , 42, 518-24	5.9	19
118	Determinants of circulating adiponectin in women with polycystic ovary syndrome. <i>Gynecologic and Obstetric Investigation</i> , 2005 , 60, 155-61	2.5	19
117	Steroid hormones in prediction of normal pressure hydrocephalus. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015 , 152, 124-32	5.1	18
116	Effects of valproate and carbamazepine monotherapy on neuroactive steroids, their precursors and metabolites in adult men with epilepsy. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010 , 122, 239-52	5.1	18
115	The identification and simultaneous quantification of 7-hydroxylated metabolites of pregnenolone, dehydroepiandrosterone, 3beta,17beta-androstenediol, and testosterone in human serum using gas chromatography-mass spectrometry. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2005 , 96, 187-200	5.1	18
114	Apolipoprotein E gene determines serum testosterone and dehydroepiandrosterone levels in postmenopausal women. <i>European Journal of Endocrinology</i> , 2002 , 147, 503-6	6.5	18

113	The pathophysiological implications of circulating androgens on bone mineral density in a normal female population. <i>Steroids</i> , 2000 , 65, 857-61	2.8	18
112	A Plant-Based Meal Increases Gastrointestinal Hormones and Satiety More Than an Energy- and Macronutrient-Matched Processed-Meat Meal in T2D, Obese, and Healthy Men: A Three-Group Randomized Crossover Study. <i>Nutrients</i> , 2019 , 11,	6.7	18
111	Endocrine disruptors and other inhibitors of 11 β -hydroxysteroid dehydrogenase 1 and 2: Tissue-specific consequences of enzyme inhibition. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016 , 155, 207-16	5.1	17
110	Preliminary evidence of altered steroidogenesis in women with Alzheimer's disease: Have the patients "OLDER" adrenal zona reticularis?. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016 , 158, 157-177	5.1	17
109	Radioimmunoassay of three deoxycorticoids in human plasma following HPLC separation. <i>Steroids</i> , 1995 , 60, 615-20	2.8	17
108	Simultaneous determination of dehydroepiandrosterone, its 7-hydroxylated metabolites, and their sulfates in rat brain tissues. <i>Steroids</i> , 2004 , 69, 667-74	2.8	16
107	Determination of 17 α -hydroxypregnenolone sulfate and its application in diagnostics. <i>Steroids</i> , 2007 , 72, 323-7	2.8	15
106	Studies on the Mechanism of Antiglucocorticoid Action of 7 β -Hydroxydehydroepiandrosterone. <i>Collection of Czechoslovak Chemical Communications</i> , 1998 , 63, 1683-1698		15
105	Neuro- and immunomodulatory steroids and other biochemical markers in drug-naive schizophrenia patients and the effect of treatment with atypical antipsychotics. <i>Neuroendocrinology Letters</i> , 2011 , 32, 141-7	0.3	15
104	Derivatives of 16 α -hydroxy-dehydroepiandrosterone with an additional 7-oxo or 7-hydroxy substituent: synthesis and gas chromatography/mass spectrometry analysis. <i>Steroids</i> , 2005 , 70, 739-49	2.8	14
103	The Effect of a Vegetarian vs Conventional Hypocaloric Diabetic Diet on Thigh Adipose Tissue Distribution in Subjects with Type 2 Diabetes: A Randomized Study. <i>Journal of the American College of Nutrition</i> , 2017 , 36, 364-369	3.5	13
102	Plasma thiols and androgen levels in polycystic ovary syndrome. <i>Clinical Chemistry and Laboratory Medicine</i> , 2003 , 41, 216-21	5.9	13
101	Neuroactive steroids, their precursors and polar conjugates during parturition and postpartum in maternal and umbilical blood: 3 β -hydroxy-5-ene steroids. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2002 , 82, 241-50	5.1	13
100	A Comprehensive Evaluation of Steroid Metabolism in Women with Intrahepatic Cholestasis of Pregnancy. <i>PLoS ONE</i> , 2016 , 11, e0159203	3.7	13
99	Insulin sensitivity and its relation to hormones in adolescent boys and girls. <i>Metabolism: Clinical and Experimental</i> , 2017 , 67, 90-98	12.7	12
98	Effect of telmisartan on selected adipokines, insulin sensitivity, and substrate utilization during insulin-stimulated conditions in patients with metabolic syndrome and impaired fasting glucose. <i>European Journal of Endocrinology</i> , 2010 , 163, 573-83	6.5	12
97	Low maternal serum matrix metalloproteinase (MMP)-2 concentrations are associated with preterm labor and fetal inflammatory response. <i>Journal of Perinatal Medicine</i> , 2010 , 38, 589-96	2.7	12
96	Radioimmunological and Chromatographic Properties of Tyrosine Methyl Ester Conjugates with Stereoisomeric Steroid Carboxy Derivatives. <i>Collection of Czechoslovak Chemical Communications</i> , 1996 , 61, 799-807		12

95	Steroid sulfatase and sulfuryl transferase activities in human brain tumors. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2008 , 109, 31-9	5.1	12
94	The content of four immunomodulatory steroids and major androgens in human semen. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003 , 84, 307-16	5.1	12
93	Immunomodulatory cytokines in human seminal plasma correlate with immunomodulatory steroids. <i>Steroids</i> , 2003 , 68, 725-31	2.8	11
92	Analysis of large and small samples of biochemical and clinical data. <i>Clinical Chemistry and Laboratory Medicine</i> , 2001 , 39, 53-61	5.9	11
91	Allopregnanolone, pregnenolone sulfate, and epitestosterone in breast cyst fluid. <i>Steroids</i> , 2001 , 66, 55-7	2.8	11
90	"A Vegetarian vs. Conventional Hypocaloric Diet: The Effect on Physical Fitness in Response to Aerobic Exercise in Patients with Type 2 Diabetes." A Parallel Randomized Study. <i>Nutrients</i> , 2016 , 8,	6.7	11
89	Glucocorticoids Reduce Aberrant O-Glycosylation of IgA1 in IgA Nephropathy Patients. <i>Kidney and Blood Pressure Research</i> , 2018 , 43, 350-359	3.1	10
88	The Effect of Meal Frequency on the Fatty Acid Composition of Serum Phospholipids in Patients with Type 2 Diabetes. <i>Journal of the American College of Nutrition</i> , 2016 , 35, 317-25	3.5	10
87	Wafer-level thin-film encapsulation for MEMS. <i>Microelectronic Engineering</i> , 2009 , 86, 1311-1313	2.5	10
86	A Plant-Based Meal Stimulates Incretin and Insulin Secretion More Than an Energy- and Macronutrient-Matched Standard Meal in Type 2 Diabetes: A Randomized Crossover Study. <i>Nutrients</i> , 2019 , 11,	6.7	9
85	Water-Aided Colonoscopy in Inflammatory Bowel Disease Patients-A Randomised, Single-Centre Trial. <i>Journal of Crohns and Colitis</i> , 2015 , 9, 720-4	1.5	9
84	Carbon dioxide insufflation during colonoscopy in inflammatory bowel disease patients: a double-blind, randomized, single-center trial. <i>European Journal of Gastroenterology and Hepatology</i> , 2017 , 29, 355-359	2.2	9
83	The distribution of placental oxidoreductase isoforms provides different milieus of steroids influencing pregnancy in the maternal and fetal compartment. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2010 , 4, 581-600	1.3	9
82	Modelling and performance evaluation of a MEMS dc/dc converter. <i>Journal of Micromechanics and Microengineering</i> , 2006 , 16, S149-S155	2	9
81	Synthesis of two new haptens of 16alpha-hydroxydehydroepiandrosterone (3beta,16alpha-dihydroxyandrost-5-en-17-one). <i>Steroids</i> , 2003 , 68, 149-58	2.8	9
80	Kinetics of gasification of Czech brown coals. <i>Fuel</i> , 1993 , 72, 525-529	7.1	9
79	The effect of meal frequency in a reduced-energy regimen on the gastrointestinal and appetite hormones in patients with type 2 diabetes: A randomised crossover study. <i>PLoS ONE</i> , 2017 , 12, e0174820	2.7	8
78	Vegetarian vs. conventional diabetic diet - A 1-year follow-up. <i>Cor Et Vasa</i> , 2014 , 56, e140-e144	0.3	8

77	Acipimox during exercise points to an inhibitory feedback of GH on ghrelin secretion in bulimic and healthy women. <i>Regulatory Peptides</i> , 2011 , 167, 134-9		8
76	Adrenocortical function in young adults with diabetes mellitus type 1. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010 , 122, 35-41	5.1	8
75	Vitamin D receptor polymorphisms, bone ultrasound and mineral density in post-menopausal women. <i>Aging Clinical and Experimental Research</i> , 2005 , 17, 121-4	4.8	8
74	Steroids, sex hormone-binding globulin, homocysteine, selected hormones and markers of lipid and carbohydrate metabolism in patients with severe hypothyroidism and their changes following thyroid hormone supplementation. <i>Clinical Chemistry and Laboratory Medicine</i> , 2003 , 41, 284-92	5.9	8
73	Effect of treatment of hypothyroidism on the plasma concentrations of neuroactive steroids and homocysteine. <i>Clinical Chemistry and Laboratory Medicine</i> , 2001 , 39, 753-7	5.9	8
72	Daily profiles of dehydroepiandrosterone and its hydroxylated metabolites with respect to food intake. <i>Prague Medical Report</i> , 2015 , 116, 40-8	0.7	8
71	The intestinal microbiota and metabolites in patients with anorexia nervosa. <i>Gut Microbes</i> , 2021 , 13, 1-25	8.8	8
70	Serum steroid profiling in Cushing [®] syndrome patients. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019 , 192, 105410	5.1	7
69	Acipimox Administration With Exercise Induces a Co-feedback Action of the GH, PP, and PYY on Ghrelin Associated With a Reduction of Peripheral Lipolysis in Bulimic and Healthy-Weight Czech Women: A Randomized Study. <i>Frontiers in Endocrinology</i> , 2019 , 10, 108	5.7	7
68	Novel GC-MS/MS Technique Reveals a Complex Steroid Fingerprint of Subclinical Hypercortisolism in Adrenal Incidentalomas. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 3545-3556	5.6	7
67	The role of steroids in the prediction of affective disorders in adult men. <i>Steroids</i> , 2017 , 121, 47-53	2.8	7
66	The differences between aromatizable and non-aromatizable androgens in relation to body composition and metabolic syndrome risk factors in men. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2012 , 132, 105-11	5.1	7
65	A higher response of plasma neuropeptide Y, growth hormone, leptin levels and extracellular glycerol levels in subcutaneous abdominal adipose tissue to Acipimox during exercise in patients with bulimia nervosa: single-blind, randomized, microdialysis study. <i>Nutrition and Metabolism</i> , 2011 , 8, 81	4.6	7
64	Current Aspects of the Role of Autoantibodies Directed Against Appetite-Regulating Hormones and the Gut Microbiome in Eating Disorders. <i>Frontiers in Endocrinology</i> , 2021 , 12, 613983	5.7	7
63	Circulating steroids negatively correlate with tinnitus. <i>Steroids</i> , 2017 , 123, 37-42	2.8	6
62	Activation of Adrenal Steroidogenesis and an Improvement of Mood Balance in Postmenopausal Females after Spa Treatment Based on Physical Activity. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6
61	The utility of fasting plasma glucose to identify impaired glucose metabolism in women with polycystic ovary syndrome. <i>Gynecological Endocrinology</i> , 2014 , 30, 664-6	2.4	6
60	The identification and simultaneous quantification of neuroactive androstane steroids and their polar conjugates in the serum of adult men, using gas chromatography-mass spectrometry. <i>Steroids</i> , 2007 , 72, 792-801	2.8	6

59	A novel radioimmunoassay of 16alpha-hydroxy-dehydroepiandrosterone and its physiological levels. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2007 , 104, 130-5	5.1	6
58	Association between serum undercarboxylated osteocalcin and bone density and/or quality in early postmenopausal women. <i>Nutrition</i> , 2003 , 19, 1001-3	4.8	6
57	Synthesis of [19- 2H3]-analogs of dehydroepiandrosterone and pregnenolone and their sulfates. <i>Steroids</i> , 2004 , 69, 161-71	2.8	6
56	Long-term 1,25(OH) ₂ vitamin D therapy increases bone mineral density in osteopenic women. Comparison with the effect of plain vitamin D. <i>Aging Clinical and Experimental Research</i> , 2007 , 19, 472-7	4.8	5
55	Reinstatement of serum pregnanolone isomers and progesterone during alcohol detoxification therapy in premenopausal women. <i>Alcoholism: Clinical and Experimental Research</i> , 2005 , 29, 1010-7	3.7	5
54	Epithelial markers of colorectal carcinogenesis in ulcerative colitis and primary sclerosing cholangitis. <i>World Journal of Gastroenterology</i> , 2013 , 19, 2234-41	5.6	5
53	Alteration of the steroidogenesis in boys with autism spectrum disorders. <i>Translational Psychiatry</i> , 2020 , 10, 340	8.6	5
52	Circulating C19 steroids and progesterone metabolites in women with acute depression and anxiety disorders. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2016 , 26, 153-64	1.3	5
51	Altered Serum Immunological and Biochemical Parameters and Microbiota Composition in Patients With AN During Realimentation. <i>Frontiers in Nutrition</i> , 2021 , 8, 680870	6.2	5
50	Analysis of Postprandial Glycemia in Relation to Metabolic Compensation and Other Observed Parameters of Outpatients with Type 2 Diabetes Mellitus in the Czech Republic. <i>Diabetes Therapy</i> , 2018 , 9, 665-672	3.6	4
49	Short-term exercise combined with Acipimox administration induces an increase in plasma ACTH and its subsequent fall in the recovery phase in bulimic women. <i>Regulatory Peptides</i> , 2013 , 182, 45-52		4
48	Postprandial oxidative stress and gastrointestinal hormones: is there a link?. <i>PLoS ONE</i> , 2014 , 9, e103565	5.7	4
47	Comparison of corticoid substitution versus combined oral contraception administration in the treatment of non-classic adrenal hyperplasia: a prospective study. <i>Gynecological Endocrinology</i> , 2009 , 25, 398-402	2.4	4
46	Cigarette smoking and progesterone and androgen metabolites in premenopausal women. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2011 , 6, 259-64	1.3	4
45	Syntheses of 19-[O-(carboxymethyl)oxime] haptens of epipregnanolone and pregnanolone. <i>Steroids</i> , 2006 , 71, 120-8	2.8	4
44	Novel and traditional biomarkers of bone turnover in postmenopausal women. <i>Clinical Chemistry and Laboratory Medicine</i> , 2003 , 41, 74-8	5.9	4
43	Gas chromatographic-mass spectrometric identification of 16alpha-hydroxy-dehydroepiandrosterone in human seminal plasma. <i>Steroids</i> , 2004 , 69, 773-7	2.8	4
42	Delayed effects of short-term transdermal application of 7-oxo-dehydroepiandrosterone on its metabolites, some hormonal steroids and relevant proteohormones in healthy male volunteers. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005 , 43, 221-7	5.9	4

41	Insulin Sensitivity and Secretion in Obese Type 2 Diabetic Women after Various Bariatric Operations. <i>Obesity Facts</i> , 2016 , 9, 410-423	5.1	4
40	Lifestyle intervention discloses an association of the Eating Inventory-51 factors with cardiometabolic health risks. <i>Eating and Weight Disorders</i> , 2013 , 18, 83-6	3.6	3
39	Minimizing the effects of multicollinearity in the polynomial regression of age relationships and sex differences in serum levels of pregnenolone sulfate in healthy subjects. <i>Clinical Chemistry and Laboratory Medicine</i> , 2009 , 47, 464-70	5.9	3
38	Epitestosterone in human blood and prostatic tissue. <i>Clinical Chemistry and Laboratory Medicine</i> , 1997 , 35, 469-73	5.9	3
37	Low-density lipoprotein receptor-related protein 5 and vitamin D receptor gene polymorphisms in relation to vitamin D levels in menopause. <i>Clinical Chemistry and Laboratory Medicine</i> , 2006 , 44, 1066-9	5.9	3
36	Rapid Immunoassay for Pregnenolone Sulfate and Its Applications in Endocrinology. <i>Collection of Czechoslovak Chemical Communications</i> , 2002 , 67, 140-162		3
35	Synthetic Approach to 5 β Pregnanolone 19-[O-(Carboxymethyl)oxime] Derivatives. <i>Collection of Czechoslovak Chemical Communications</i> , 2004 , 69, 1805-1817		3
34	How smoking cessation influence hormonal levels in postmenopausal women?. <i>Prague Medical Report</i> , 2014 , 115, 60-6	0.7	3
33	How Does Energy Intake Influence the Levels of Certain Steroids?. <i>Prague Medical Report</i> , 2015 , 116, 290-302	0.7	3
32	The relationship between adolescent obesity and pelvis dimensions in adulthood: a retrospective longitudinal study. <i>PeerJ</i> , 2020 , 8, e8951	3.1	3
31	A short-term yoga-based intervention improves balance control, body composition, and some aspects of mental health in the elderly men. <i>Acta Gymnica</i> , 2020 , 50, 16-27	0.6	3
30	Changes of BMI, steroid metabolome and psychopathology in patients with anorexia nervosa during hospitalization. <i>Steroids</i> , 2020 , 153, 108523	2.8	3
29	Ioduria and type 1 diabetes mellitus - Relationships to selected clinical markers of diabetes in adults. <i>Journal of Applied Biomedicine</i> , 2017 , 15, 146-150	0.6	2
28	Androst-5-ene-3 β ,17 β -Triols, their plasma levels and dependence on the hypothalamic-pituitary-adrenal axis. <i>Steroids</i> , 2018 , 134, 88-95	2.8	2
27	Altered levels of circulating GABAergic 5 β -Reduced pregnane and androstane steroids in schizophrenic men. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2011 , 6, 227-30	1.3	2
26	Assessment of the mean-value of 17-hydroxypregnenolone in the umbilical blood of newborns by the exploratory analysis of biochemical data. <i>Computer Methods and Programs in Biomedicine</i> , 2003 , 70, 187-97	6.9	2
25	Plasma levels of 7-hydroxymetabolites of dehydroepiandrosterone in healthy Central European aging men. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005 , 43, 1218-22	5.9	2
24	Exploratory biochemical data analysis: a comparison of two sample means and diagnostic displays. <i>Clinical Chemistry and Laboratory Medicine</i> , 2001 , 39, 244-55	5.9	2

23	The Response of C19 β -steroids to ACTH Stimulation and Hypoglycemia in Insulin Tolerance Test for Adrenal Insufficiency. <i>Prague Medical Report</i> , 2016 , 117, 98-107	0.7	2
22	The role of steroids in the development of post-partum mental disorders. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2014 , 158, 361-4	1.7	2
21	Relations of prediabetes and type 2 diabetes to the thyroid cancer. <i>Endocrine Connections</i> , 2020 ,	3.5	2
20	A plant-based meal affects thalamus perfusion differently than an energy- and macronutrient-matched conventional meal in men with type 2 diabetes, overweight/obese, and healthy men: A three-group randomized crossover study. <i>Clinical Nutrition</i> , 2021 , 40, 1822-1833	5.9	2
19	Decentralized Optimal Control for Photovoltaic Systems Using Prediction in the Distribution Systems. <i>Energies</i> , 2021 , 14, 3973	3.1	2
18	Yoga Exercise Intervention Improves Balance Control and Prevents Falls in Seniors Aged 65.. <i>Zdravstveno Varstvo</i> , 2022 , 61, 85-92	1.3	2
17	Hyperparathyroidism in Hemodialyzed Patients [Relation to Melatonin and Reproductive Hormones Before and After Parathyroidectomy 2012 ,		1
16	The influence of low dose finasteride, a type II 5 β -reductase inhibitor, on circulating neuroactive steroids. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2010 , 1, 95-102	1.3	1
15	Low-density lipoprotein receptor-related protein-5 C/T polymorphism in exon 18 is associated with C peptide and proinsulin levels in control women and patients with polycystic ovary syndrome. <i>Fertility and Sterility</i> , 2008 , 90, 699-708	4.8	1
14	Relationship of dehydroepiandrosterone and its 7-hydroxylated metabolites to thyroid parameters and sex hormone-binding globulin (SHBG) in healthy subjects. <i>Clinical Chemistry and Laboratory Medicine</i> , 2003 , 41, 1081-6	5.9	1
13	Levels of testosterone, allopregnanolone and homocysteine in severe hypothyroidism. <i>Clinical Chemistry and Laboratory Medicine</i> , 2002 , 40, 1024-7	5.9	1
12	Detection and Quantification of 7-Hydroxydehydroepiandrosterone Epimers in Three Body Fluids. <i>Collection of Czechoslovak Chemical Communications</i> , 2002 , 67, 10-18		1
11	Analysis of balance ability in senior age related to quality of life indicators. <i>Kontakt</i> , 2019 , 21, 320-325	0.3	1
10	Steroid Sulfation in Neurodegenerative Diseases.. <i>Frontiers in Molecular Biosciences</i> , 2022 , 9, 839887	5.6	1
9	The Neuroactive Steroid Pregnanolone Glutamate: Anticonvulsant Effect, Metabolites and Its Effect on Neurosteroid Levels in Developing Rat Brains.. <i>Pharmaceuticals</i> , 2021 , 15,	5.2	1
8	A plant-based meal reduces postprandial oxidative and dicarbonyl stress in men with diabetes or obesity compared with an energy- and macronutrient-matched conventional meal in a randomized crossover study. <i>Nutrition and Metabolism</i> , 2021 , 18, 84	4.6	0
7	Thyroid Cancer Detection in a Routine Clinical Setting: Performance of ACR TI-RADS, FNAC and Molecular Testing in Prospective Cohort Study. <i>Biomedicines</i> , 2022 , 10, 954	4.8	0
6	The response of C19- and some C21-steroids during Synacthen and insulin tolerance test. <i>Steroids</i> , 2018 , 139, 53-59	2.8	

5	Intramyocellular lipid content in subjects with impaired fasting glucose after telmisartan treatment, a randomised cross-over trial. <i>Magnetic Resonance Imaging</i> , 2016 , 34, 353-8	3.3
4	Effect of inferior alveolar nerve transection on the inorganic component of bone of rat mandible. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2020 , 20, 272-281	1.3
3	Effects of Transcranial Direct Current Stimulation Treatment for Anorexia Nervosa. <i>Frontiers in Psychiatry</i> , 2021 , 12, 717255	5
2	Effect of Inferior Alveolar Nerve Transection on the Inorganic Component of Molars of Rat Mandible.. <i>Prague Medical Report</i> , 2022 , 123, 5-19	0.7
1	Are There Sex Differences in Balance Performance after a Short-Term Physical Intervention in Seniors 65+? A Randomized Controlled Trial. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3452	2.6