

# Tina M Binz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/853210/publications.pdf>

Version: 2024-02-01

36  
papers

1,920  
citations

331670

21  
h-index

330143

37  
g-index

37  
all docs

37  
docs citations

37  
times ranked

3312  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immune-responsive gene 1 protein links metabolism to immunity by catalyzing itaconic acid production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7820-7825.	7.1	765
2	Impact of the cold shock phenomenon on quantification of intracellular metabolites in bacteria. <i>Analytical Biochemistry</i> , 2004, 327, 135-139.	2.4	225
3	Nonribosomal Peptide Biosynthesis: Point Mutations and Module Skipping Lead to Chemical Diversity. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2296-2301.	13.8	96
4	Biosynthesis of methyl-proline containing griselimycins, natural products with anti-tuberculosis activity. <i>Chemical Science</i> , 2017, 8, 7521-7527.	7.4	72
5	The influence of ethanol containing cosmetics on ethyl glucuronide concentration in hair. <i>Forensic Science International</i> , 2012, 218, 123-125.	2.2	60
6	Hair Cortisol in Twins: Heritability and Genetic Overlap with Psychological Variables and Stress-System Genes. <i>Scientific Reports</i> , 2017, 7, 15351.	3.3	50
7	Endogenous cortisol in keratinized matrices: Systematic determination of baseline cortisol levels in hair and the influence of sex, age and hair color. <i>Forensic Science International</i> , 2018, 284, 33-38.	2.2	50
8	Heterologous Expression And Genetic Engineering of the Phenalinolactone Biosynthetic Gene Cluster by Using Red/ET Recombineering. <i>ChemBioChem</i> , 2008, 9, 447-454.	2.6	44
9	Development of an LC-MS/MS method for the determination of endogenous cortisol in hair using <sup>13</sup> C <sub>3</sub> -labeled cortisol as surrogate analyte. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1033-1034, 65-72.	2.3	42
10	Simultaneous quantification of steroid hormones and endocannabinoids (ECs) in human hair using an automated supported liquid extraction (SLE) and LC-MS/MS – Insights into EC baseline values and correlation to steroid concentrations. <i>Talanta</i> , 2021, 222, 121499.	5.5	42
11	Systematic investigation of the incorporation mechanisms of zolpidem in fingernails. <i>Drug Testing and Analysis</i> , 2014, 6, 533-541.	2.6	41
12	Glucose substitution prolongs maintenance of energy homeostasis and lifespan of telomere dysfunctional mice. <i>Nature Communications</i> , 2014, 5, 4924.	12.8	35
13	Insights into an Unusual Nonribosomal Peptide Synthetase Biosynthesis. <i>Journal of Biological Chemistry</i> , 2010, 285, 32710-32719.	3.4	34
14	The Mouse Brain Metabolome. <i>American Journal of Pathology</i> , 2015, 185, 1699-1712.	3.8	31
15	Endogenous steroid hormones in hair: Investigations on different hair types, pigmentation effects and correlation to nails. <i>Steroids</i> , 2020, 154, 108547.	1.8	28
16	Systematic investigations of endogenous cortisol and cortisone in nails by LC-MS/MS and correlation to hair. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4895-4903.	3.7	25
17	Contact to Nature Benefits Health: Mixed Effectiveness of Different Mechanisms. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 31.	2.6	24
18	Cortisol concentration of regrown hair and hair from a previously unshorn area in dairy cows. <i>Research in Veterinary Science</i> , 2017, 114, 412-415.	1.9	23

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19	Time resolved analysis of quetiapine and 7-OH-quetiapine in hair using LC/MS-MS. <i>Forensic Science International</i> , 2014, 242, 200-203.	2.2	22
20	The influence of cleansing shampoos on ethyl glucuronide concentration in hair analyzed with an optimized and validated LC-MS/MS method. <i>Forensic Science International</i> , 2014, 244, 20-24.	2.2	22
21	(Un)targeted hair metabolomics: first considerations and systematic evaluation on the impact of sample preparation. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3963-3977.	3.7	21
22	Rapid extraction, identification and quantification of oral hypoglycaemic drugs in serum and hair using LC-MS/MS. <i>Forensic Science International</i> , 2012, 223, 119-124.	2.2	19
23	Steroid profiling in nails using liquid chromatography-tandem mass spectrometry. <i>Steroids</i> , 2018, 140, 144-150.	1.8	19
24	Hair cortisol measurement in older adults: Influence of demographic and physiological factors and correlation with perceived stress. <i>Steroids</i> , 2020, 163, 108712.	1.8	17
25	Cheating on forensic hair testing? Detection of potential biomarkers for cosmetically altered hair samples using untargeted hair metabolomics. <i>Analyst, The</i> , 2020, 145, 6586-6599.	3.5	17
26	Chiral analysis of amphetamines in hair by liquid chromatography-tandem mass spectrometry: compliance-monitoring of attention deficit hyperactivity disorder (ADHD) patients under Elvanse® therapy and identification after controlled low-dose application. <i>Drug Testing and Analysis</i> , 2018, 10, 254-261.	2.6	14
27	Non-medical prescription opioid users exhibit dysfunctional physiological stress responses to social rejection. <i>Psychoneuroendocrinology</i> , 2019, 100, 264-275.	2.7	14
28	A possible new oxidation marker for hair adulteration: Detection of PTeCA (1H-pyrrole-2,3,4,5-tetracarboxylic acid) in bleached hair. <i>Drug Testing and Analysis</i> , 2020, 12, 230-238.	2.6	12
29	Towards Best Practice in Hair Metabolomic Studies: Systematic Investigation on the Impact of Hair Length and Color. <i>Metabolites</i> , 2020, 10, 381.	2.9	12
30	Alterations of Stress-Related Glucocorticoids and Endocannabinoids in Hair of Chronic Cocaine Users. <i>International Journal of Neuropsychopharmacology</i> , 2022, 25, 226-237.	2.1	11
31	A novel bedtime pulsatile-release caffeine formula ameliorates sleep inertia symptoms immediately upon awakening. <i>Scientific Reports</i> , 2021, 11, 19734.	3.3	8
32	Screening for Hazardous Drinking in Nursing Home Residents: Evaluating the Validity of the Current Cutoffs of the Alcohol Use Disorder Identification Test-Consumption Questions by Using Ethyl Glucuronide in Hair. <i>Alcoholism: Clinical and Experimental Research</i> , 2017, 41, 1593-1601.	2.4	7
33	Quantification of Classic, Prescription and Synthetic Opioids in Hair by LC-MS-MS. <i>Journal of Analytical Toxicology</i> , 2020, 45, 943-949.	2.8	7
34	Hair cortisol concentration in veal calves reared under two different welfare production labels. <i>Research in Veterinary Science</i> , 2019, 123, 286-292.	1.9	4
35	Endocannabinoid and steroid analysis in infant and adult nails by LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 6201-6211.	3.7	4
36	Systemic detectability of dexamethasone and prednisolone after eye drop application in horses. <i>Equine Veterinary Journal</i> , 2021, 53, 1250-1256.	1.7	1