

# Markus R Baumgartner

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

2,328  
citations

201385

27  
h-index

243296

44  
g-index

81  
all docs

81  
docs citations

81  
times ranked

2502  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cognitive dysfunctions in recreational and dependent cocaine users: role of attention-deficit hyperactivity disorder, craving and early age at onset. <i>British Journal of Psychiatry</i> , 2013, 203, 35-43.	1.7	150
2	Cognitive Impairment in Cocaine Users is Drug-Induced but Partially Reversible: Evidence from a Longitudinal Study. <i>Neuropsychopharmacology</i> , 2014, 39, 2200-2210.	2.8	139
3	Impaired emotional empathy and related social network deficits in cocaine users. <i>Addiction Biology</i> , 2014, 19, 452-466.	1.4	117
4	Altered social and non-social decision-making in recreational and dependent cocaine users. <i>Psychological Medicine</i> , 2014, 44, 1015-1028.	2.7	96
5	Prevalence of new psychoactive substances: A retrospective study in hair. <i>Drug Testing and Analysis</i> , 2012, 4, 402-408.	1.6	82
6	Detection and validated quantification of 21 benzodiazepines and 3 œz-drugs in human hair by LC-MS/MS. <i>Forensic Science International</i> , 2012, 215, 64-72.	1.3	74
7	Positive EtG findings in hair as a result of a cosmetic treatment. <i>Forensic Science International</i> , 2012, 218, 97-100.	1.3	66
8	Differences in self-reported and behavioral measures of impulsivity in recreational and dependent cocaine users. <i>Drug and Alcohol Dependence</i> , 2013, 133, 61-70.	1.6	64
9	Changes in cocaine consumption are associated with fluctuations in self-reported impulsivity and gambling decision-making. <i>Psychological Medicine</i> , 2015, 45, 3097-3110.	2.7	59
10	Single Hair Analysis of Small Molecules Using MALDI-Triple Quadrupole MS Imaging and LC-MS/MS: Investigations on Opportunities and Pitfalls. <i>Analytical Chemistry</i> , 2014, 86, 11758-11765.	3.2	58
11	Time-dependent postmortem redistribution of butyrfentanyl and its metabolites in blood and alternative matrices in a case of butyrfentanyl intoxication. <i>Forensic Science International</i> , 2016, 266, 170-177.	1.3	55
12	Hair Cortisol in Twins: Heritability and Genetic Overlap with Psychological Variables and Stress-System Genes. <i>Scientific Reports</i> , 2017, 7, 15351.	1.6	50
13	Metabolite to parent drug concentration ratios in hair for the differentiation of tramadol intake from external contamination and passive exposure. <i>Forensic Science International</i> , 2012, 223, 330-334.	1.3	47
14	Smoking but not cocaine use is associated with lower cerebral metabotropic glutamate receptor 5 density in humans. <i>Molecular Psychiatry</i> , 2014, 19, 625-632.	4.1	47
15	Longitudinal changes in cocaine intake and cognition are linked to cortical thickness adaptations in cocaine users. <i>NeuroImage: Clinical</i> , 2019, 21, 101652.	1.4	45
16	Segmental hair analysis for differentiation of tilidine intake from external contamination using LC-ESI-MS/MS and MALDI-MS/MS imaging. <i>Drug Testing and Analysis</i> , 2015, 7, 143-149.	1.6	44
17	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.	1.2	42
18	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.	2.9	42

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19	Increased Sensorimotor Gating in Recreational and Dependent Cocaine Users Is Modulated by Craving and Attention-Deficit/Hyperactivity Disorder Symptoms. <i>Biological Psychiatry</i> , 2013, 73, 225-234.	0.7	41
20	Systematic investigation of the incorporation mechanisms of zolpidem in fingernails. <i>Drug Testing and Analysis</i> , 2014, 6, 533-541.	1.6	41
21	Impaired glutamate homeostasis in the nucleus accumbens in human cocaine addiction. <i>Molecular Psychiatry</i> , 2021, 26, 5277-5285.	4.1	40
22	Pharmacological Cognitive Enhancement in Healthy Individuals: A Compensation for Cognitive Deficits or a Question of Personality?. <i>PLoS ONE</i> , 2015, 10, e0129805.	1.1	39
23	Trends in drug testing in oral fluid and hair as alternative matrices. <i>Bioanalysis</i> , 2014, 6, 2193-2209.	0.6	37
24	Self-regulation of the dopaminergic reward circuit in cocaine users with mental imagery and neurofeedback. <i>EBioMedicine</i> , 2018, 37, 489-498.	2.7	35
25	Analysis of drugs of abuse in hair: Evaluation of the immunochemical method VMA-T vs. LC-MS/MS or GC-MS. <i>Forensic Science International</i> , 2012, 215, 56-59.	1.3	31
26	Nails: an adequate alternative matrix in forensic toxicology for drug analysis?. <i>Bioanalysis</i> , 2014, 6, 2189-2191.	0.6	31
27	Cognitive and socio-cognitive functioning of chronic non-medical prescription opioid users. <i>Psychopharmacology</i> , 2018, 235, 3451-3464.	1.5	31
28	Cognitive and emotional impairments in adults with attention-deficit/hyperactivity disorder and cocaine use. <i>Drug and Alcohol Dependence</i> , 2016, 163, 92-99.	1.6	29
29	Commentary on current changes of the SoHT 2016 consensus on alcohol markers in hair and further background information. <i>Forensic Science International</i> , 2017, 278, 326-333.	1.3	29
30	Glutamatergic and neurometabolic alterations in chronic cocaine users measured with <sup>1</sup> H-magnetic resonance spectroscopy. <i>Addiction Biology</i> , 2016, 21, 205-217.	1.4	28
31	Systematic assessment of different solvents for the extraction of drugs of abuse and pharmaceuticals from an authentic hair pool. <i>Forensic Science International</i> , 2018, 282, 137-143.	1.3	28
32	Cognitive and neuroanatomical impairments associated with chronic exposure to levamisole-contaminated cocaine. <i>Translational Psychiatry</i> , 2018, 8, 235.	2.4	28
33	Hair Analysis: Contamination versus Incorporation from the Circulatory System—Investigations on Single Hair Samples Using Time-of-Flight Secondary Ion Mass Spectrometry and Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 4132-4139.	3.2	28
34	Endogenous steroid hormones in hair: Investigations on different hair types, pigmentation effects and correlation to nails. <i>Steroids</i> , 2020, 154, 108547.	0.8	28
35	Evaluation of drug incorporation into hair segments and nails by enantiomeric analysis following controlled single MDMA intakes. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 545-556.	1.9	27
36	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.	1.9	25

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37	Discrete memory impairments in largely pure chronic users of MDMA. <i>European Neuropsychopharmacology</i> , 2017, 27, 987-999.	0.3	25
38	Contact to Nature Benefits Health: Mixed Effectiveness of Different Mechanisms. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 31.	1.2	24
39	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.	0.9	23
40	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.	1.3	22
41	(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.	1.9	21
42	Steroid profiling in nails using liquid chromatography-tandem mass spectrometry. <i>Steroids</i> , 2018, 140, 144-150.	0.8	19
43	Cocaine Hydroxy Metabolites in Hair: Indicators for Cocaine Use Versus External Contamination†. <i>Journal of Analytical Toxicology</i> , 2019, 43, 543-552.	1.7	19
44	Large scale consumption monitoring of benzodiazepines and z-drugs by hair analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 183, 113151.	1.4	18
45	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.	1.7	17
46	Socio-cognitive functioning in stimulant polysubstance users. <i>Drug and Alcohol Dependence</i> , 2018, 190, 94-103.	1.6	16
47	Long-term monitoring of opioid, sedative and anti-inflammatory drugs in horse hair using a selective and sensitive LC-MS/MS procedure. <i>BMC Veterinary Research</i> , 2016, 12, 84.	0.7	15
48	Adrenergic receptor polymorphisms and mRNA expression levels are associated with delay discounting in cocaine users. <i>Addiction Biology</i> , 2017, 22, 561-569.	1.4	14
49	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.	1.6	14
50	Non-medical prescription opioid users exhibit dysfunctional physiological stress responses to social rejection. <i>Psychoneuroendocrinology</i> , 2019, 100, 264-275.	1.3	14
51	Pregabalin Use Among Opioid-Addicted Patients in Switzerland. <i>Journal of Clinical Psychiatry</i> , 2016, 77, 1202-1203.	1.1	14
52	Systematic optimisation of ethyl glucuronide extraction conditions from scalp hair by design of experiments and its potential effect on cut-off values appraisal. <i>Drug Testing and Analysis</i> , 2018, 10, 1394-1403.	1.6	13
53	Stable self-serving personality traits in recreational and dependent cocaine users. <i>PLoS ONE</i> , 2017, 12, e0172853.	1.1	13
54	Retrospective monitoring of long-term recreational and dependent cocaine use in toenail clippings/scrapings as an alternative to hair. <i>Bioanalysis</i> , 2014, 6, 3183-3196.	0.6	12

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55	Social Cognition and Interaction in Chronic Users of 3,4-Methylenedioxymethamphetamine (MDMA,) Tj ETQq1 1 0.784314 rgBT /Ove	1.0	12
56	A possible new oxidation marker for hair adulteration: Detection of PTeCA (1Hâ€pyrroleâ€2,3,4,5â€tetracarboxylic acid) in bleached hair. Drug Testing and Analysis, 2020, 12, 230-238.	1.6	12
57	Towards Best Practice in Hair Metabolomic Studies: Systematic Investigation on the Impact of Hair Length and Color. Metabolites, 2020, 10, 381.	1.3	12
58	Hair analysis for opiates: hydromorphone and hydrocodone as indicators of heroin use. Bioanalysis, 2016, 8, 953-964.	0.6	11
59	Concomitant Heroin and Cocaine Use among Opioid-Dependent Patients during Methadone, Buprenorphine or Morphine Opioid Agonist Therapy. European Addiction Research, 2019, 25, 207-212.	1.3	11
60	Use of levamisole-adulterated cocaine is associated with increased load of white matter lesions. Journal of Psychiatry and Neuroscience, 2021, 46, E281-E291.	1.4	11
61	Alterations of Stress-Related Glucocorticoids and Endocannabinoids in Hair of Chronic Cocaine Users. International Journal of Neuropsychopharmacology, 2022, 25, 226-237.	1.0	11
62	Using time-of-flight secondary ion mass spectrometry (ToF-SIMS) and matrix assisted laser desorption/ionization mass spectrometry (MALDI-MS) for investigations on single hair samples to solve the contamination <i>versus</i> incorporation issue of hair analysis in the case of cocaine and methadone. Analyst, The, 2020, 145, 4906-4919.	1.7	10
63	A novel bedtime pulsatile-release caffeine formula ameliorates sleep inertia symptoms immediately upon awakening. Scientific Reports, 2021, 11, 19734.	1.6	8
64	The impact of levamisole and alcohol on white matter microstructure in adult chronic cocaine users. Addiction Biology, 2022, 27, e13149.	1.4	8
65	Cocaine adulteration with the anthelmintic tetramisole (levamisole/dexamisole): Longâ€term monitoring of its intake by chiral LCâ€MS/MS analysis of cocaineâ€positive hair samples. Drug Testing and Analysis, 2019, 11, 472-478.	1.6	7
66	Quantification of Classic, Prescription and Synthetic Opioids in Hair by LCâ€MS-MS. Journal of Analytical Toxicology, 2020, 45, 943-949.	1.7	7
67	LCâ€MS-MS Analysis of Î”9-THC, CBN and CBD in Hair: Investigation of Artifacts. Journal of Analytical Toxicology, 2022, 46, 504-511.	1.7	7
68	Insights into the Decontamination of Cocaine-Positive Hair Samples. Journal of Analytical Toxicology, 2020, 45, 713-721.	1.7	5
69	Dextromethorphan Abuse Among Opioid-Dependent Patients. Clinical Neuropharmacology, 2020, 43, 127-133.	0.2	5
70	Chronic nonâ€medical prescription opioid use and empathy for pain: Does pain make the difference?. Psychophysiology, 2021, 58, e13776.	1.2	5
71	Hair cortisol concentration in veal calves reared under two different welfare production labels. Research in Veterinary Science, 2019, 123, 286-292.	0.9	4
72	Endocannabinoid and steroid analysis in infant and adult nails by LCâ€MS/MS. Analytical and Bioanalytical Chemistry, 2022, 414, 6201-6211.	1.9	4

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73	Significance of Metabolite Ratios in the Interpretation of Segmental Hair Testing Resultsâ€”Differentiation of Single from Chronic Morphine Use in a Case Series. <i>Metabolites</i> , 2021, 11, 557.	1.3	3
74	Use of Ethanol-Based Hand Disinfectants: Source of Increased Ethyl Glucuronide Levels in Hair?. <i>Alcohol and Alcoholism</i> , 2021, 56, 38-41.	0.9	1
75	Single Hair Analysis Monitoring Concept for P4 Implementation. , 2017, , 500-511.		0