Markus R Baumgartner

List of Publications by Year
in descending order

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	LC–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
2	Alterations of Stress-Related Glucocorticoids and Endocannabinoids in Hair of Chronic Cocaine Users. International Journal of Neuropsychopharmacology, 2022, 25, 226-237.	1.0	11
3	The impact of levamisole and alcohol on white matter microstructure in adult chronic cocaine users. Addiction Biology, 2022, 27, e13149.	1.4	8
4	Endocannabinoid and steroid analysis in infant and adult nails by LC–MS/MS. Analytical and Bioanalytical Chemistry, 2022, 414, 6201-6211.	1.9	4
5	Impaired glutamate homeostasis in the nucleus accumbens in human cocaine addiction. Molecular Psychiatry, 2021, 26, 5277-5285.	4.1	40
6	Use of Ethanol-Based Hand Disinfectants: Source of Increased Ethyl Glucuronide Levels in Hair?. Alcohol and Alcoholism, 2021, 56, 38-41.	0.9	1
7	Simultaneous quantification of steroid hormones and endocannabinoids (ECs) in human hair using an automated supported liquid extraction (SLE) and LC-MS/MS â€“ Insights into EC baseline values and correlation to steroid concentrations. Talanta, 2021, 222, 121499.	2.9	42
8	Chronic nonâ€medical prescription opioid use and empathy for pain: Does pain make the difference?. Psychophysiology, 2021, 58, e13776.	1.2	5
9	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
10	Significance of Metabolite Ratios in the Interpretation of Segmental Hair Testing Resultsâ€"Differentiation of Single from Chronic Morphine Use in a Case Series. Metabolites, 2021, 11, 557.	1.3	3
11	A novel bedtime pulsatile-release caffeine formula ameliorates sleep inertia symptoms immediately upon awakening. Scientific Reports, 2021, 11, 19734.	1.6	8
12	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
13	Endogenous steroid hormones in hair: Investigations on different hair types, pigmentation effects and correlation to nails. Steroids, 2020, 154, 108547.	0.8	28
14	Towards Best Practice in Hair Metabolomic Studies: Systematic Investigation on the Impact of Hair Length and Color. Metabolites, 2020, 10, 381.	1.3	12
15	Quantification of Classic, Prescription and Synthetic Opioids in Hair by LC–MS-MS. Journal of Analytical Toxicology, 2020, 45, 943-949.	1.7	7
16	Large scale consumption monitoring of benzodiazepines and z-drugs by hair analysis. Journal of Pharmaceutical and Biomedical Analysis, 2020, 183, 113151.	1.4	18
17	Insights into the Decontamination of Cocaine-Positive Hair Samples. Journal of Analytical Toxicology, 2020, 45, 713-721.	1.7	5
18	Dextromethorphan Abuse Among Opioid-Dependent Patients. Clinical Neuropharmacology, 2020, 43, 127-133.	0.2	5

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19	Cheating on forensic hair testing? Detection of potential biomarkers for cosmetically altered hair samples using untargeted hair metabolomics. Analyst, The, 2020, 145, 6586-6599.	1.7	17
20	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 *versus* incorporation issue of hair analysis in the case of cocaine and methadone. Analyst, The, 2020, 145, 4906-4919.	1.7	10
21	Hair cortisol concentration in veal calves reared under two different welfare production labels. Research in Veterinary Science, 2019, 123, 286-292.	0.9	4
22	(Un)targeted hair metabolomics: first considerations and systematic evaluation on the impact of sample preparation. Analytical and Bioanalytical Chemistry, 2019, 411, 3963-3977.	1.9	21
23	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
24	Cocaine Hydroxy Metabolites in Hair: Indicators for Cocaine Use Versus External Contamination˜†. Journal of Analytical Toxicology, 2019, 43, 543-552.	1.7	19
25	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. Analytical Chemistry, 2019, 91, 4132-4139.	3.2	28
26	Longitudinal changes in cocaine intake and cognition are linked to cortical thickness adaptations in cocaine users. NeuroImage: Clinical, 2019, 21, 101652.	1.4	45
27	Cocaine adulteration with the anthelminthic tetramisole (levamisole/dexamisole): Long-term monitoring of its intake by chiral LC–MS/MS analysis of cocaine-positive hair samples. Drug Testing and Analysis, 2019, 11, 472-478.	1.6	7
28	Non-medical prescription opioid users exhibit dysfunctional physiological stress responses to social rejection. Psychoneuroendocrinology, 2019, 100, 264-275.	1.3	14
29	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. Drug Testing and Analysis, 2018, 10, 254-261.	1.6	14
30	Social Cognition and Interaction in Chronic Users of 3,4-Methylenedioxymethamphetamine (MDMA,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.0	12
31	Systematic assessment of different solvents for the extraction of drugs of abuse and pharmaceuticals from an authentic hair pool. Forensic Science International, 2018, 282, 137-143.	1.3	28
32	Steroid profiling in nails using liquid chromatography-tandem mass spectrometry. Steroids, 2018, 140, 144-150.	0.8	19
33	Cognitive and neuroanatomical impairments associated with chronic exposure to levamisole-contaminated cocaine. Translational Psychiatry, 2018, 8, 235.	2.4	28
34	Cognitive and socio-cognitive functioning of chronic non-medical prescription opioid users. Psychopharmacology, 2018, 235, 3451-3464.	1.5	31
35	Self-regulation of the dopaminergic reward circuit in cocaine users with mental imagery and neurofeedback. EBioMedicine, 2018, 37, 489-498.	2.7	35
36	Systematic investigations of endogenous cortisol and cortisone in nails by LC-MS/MS and correlation to hair. Analytical and Bioanalytical Chemistry, 2018, 410, 4895-4903.	1.9	25

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37	Systematic optimisation of ethyl glucuronide extraction conditions from scalp hair by design of experiments and its potential effect on cut€off values appraisal. Drug Testing and Analysis, 2018, 10, 1394-1403.	1.6	13
38	Socio-cognitive functioning in stimulant polysubstance users. Drug and Alcohol Dependence, 2018, 190, 94-103.	1.6	16
39	Contact to Nature Benefits Health: Mixed Effectiveness of Different Mechanisms. International Journal of Environmental Research and Public Health, 2018, 15, 31.	1.2	24
40	α_{2A}€Adrenergic receptor polymorphisms and mRNA expression levels are associated with delay discounting in cocaine users. Addiction Biology, 2017, 22, 561-569.	1.4	14
41	Cortisol concentration of regrown hair and hair from a previously unshorn area in dairy cows. Research in Veterinary Science, 2017, 114, 412-415.	0.9	23
42	Commentary on current changes of the SoHT 2016 consensus on alcohol markers in hair and further background information. Forensic Science International, 2017, 278, 326-333.	1.3	29
43	Hair Cortisol in Twins: Heritability and Genetic Overlap with Psychological Variables and Stress-System Genes. Scientific Reports, 2017, 7, 15351.	1.6	50
44	Single Hair Analysis Monitoring Concept for P4 Implementation. , 2017, , 500-511.		0
45	Discrete memory impairments in largely pure chronic users of MDMA. European Neuropsychopharmacology, 2017, 27, 987-999.	0.3	25
46	Stable self-serving personality traits in recreational and dependent cocaine users. PLoS ONE, 2017, 12, e0172853.	1.1	13
47	Cognitive and emotional impairments in adults with attention-deficit/hyperactivity disorder and cocaine use. Drug and Alcohol Dependence, 2016, 163, 92-99.	1.6	29
48	Development of an LC€"MS/MS method for the determination of endogenous cortisol in hair using 13 C 3 -labeled cortisol as surrogate analyte. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1033-1034, 65-72.	1.2	42
49	Hair analysis for opiates: hydromorphone and hydrocodone as indicators of heroin use. Bioanalysis, 2016, 8, 953-964.	0.6	11
50	Time-dependent postmortem redistribution of butyrfentanyl and its metabolites in blood and alternative matrices in a case of butyrfentanyl intoxication. Forensic Science International, 2016, 266, 170-177.	1.3	55
51	Long-term monitoring of opioid, sedative and anti-inflammatory drugs in horse hair using a selective and sensitive LC-MS/MS procedure. BMC Veterinary Research, 2016, 12, 84.	0.7	15
52	Glutamatergic and neurometabolic alterations in chronic cocaine users measured with ^{1}H€magnetic resonance spectroscopy. Addiction Biology, 2016, 21, 205-217.	1.4	28
53	Evaluation of drug incorporation into hair segments and nails by enantiomeric analysis following controlled single MDMA intakes. Analytical and Bioanalytical Chemistry, 2016, 408, 545-556.	1.9	27
54	Pregabalin Use Among Opioid-Addicted Patients in Switzerland. Journal of Clinical Psychiatry, 2016, 77, 1202-1203.	1.1	14

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55	Changes in cocaine consumption are associated with fluctuations in self-reported impulsivity and gambling decision-making. Psychological Medicine, 2015, 45, 3097-3110.	2.7	59
56	Pharmacological Cognitive Enhancement in Healthy Individuals: A Compensation for Cognitive Deficits or a Question of Personality?. PLoS ONE, 2015, 10, e0129805.	1.1	39
57	Segmental hair analysis for differentiation of tilidine intake from external contamination using LC–ESI–MS/MS and MALDI–MS/MS imaging. Drug Testing and Analysis, 2015, 7, 143-149.	1.6	44
58	Retrospective monitoring of long-term recreational and dependent cocaine use in toenail clippings/scrapings as an alternative to hair. Bioanalysis, 2014, 6, 3183-3196.	0.6	12
59	Smoking but not cocaine use is associated with lower cerebral metabotropic glutamate receptor 5 density in humans. Molecular Psychiatry, 2014, 19, 625-632.	4.1	47
60	Nails: an adequate alternative matrix in forensic toxicology for drug analysis?. Bioanalysis, 2014, 6, 2189-2191.	0.6	31
61	Altered social and non-social decision-making in recreational and dependent cocaine users. Psychological Medicine, 2014, 44, 1015-1028.	2.7	96
62	Trends in drug testing in oral fluid and hair as alternative matrices. Bioanalysis, 2014, 6, 2193-2209.	0.6	37
63	Single Hair Analysis of Small Molecules Using MALDI-Triple Quadrupole MS Imaging and LC-MS/MS: Investigations on Opportunities and Pitfalls. Analytical Chemistry, 2014, 86, 11758-11765.	3.2	58
64	Impaired emotional empathy and related social network deficits in cocaine users. Addiction Biology, 2014, 19, 452-466.	1.4	117
65	The influence of cleansing shampoos on ethyl glucuronide concentration in hair analyzed with an optimized and validated LC–MS/MS method. Forensic Science International, 2014, 244, 20-24.	1.3	22
66	Cognitive Impairment in Cocaine Users is Drug-Induced but Partially Reversible: Evidence from a Longitudinal Study. Neuropsychopharmacology, 2014, 39, 2200-2210.	2.8	139
67	Systematic investigation of the incorporation mechanisms of zolpidem in fingernails. Drug Testing and Analysis, 2014, 6, 533-541.	1.6	41
68	Differences in self-reported and behavioral measures of impulsivity in recreational and dependent cocaine users. Drug and Alcohol Dependence, 2013, 133, 61-70.	1.6	64
69	Increased Sensorimotor Gating in Recreational and Dependent Cocaine Users Is Modulated by Craving and Attention-Deficit/Hyperactivity Disorder Symptoms. Biological Psychiatry, 2013, 73, 225-234.	0.7	41
70	Cognitive dysfunctions in recreational and dependent cocaine users: role of attention-deficit hyperactivity disorder, craving and early age at onset. British Journal of Psychiatry, 2013, 203, 35-43.	1.7	150
71	Metabolite to parent drug concentration ratios in hair for the differentiation of tramadol intake from external contamination and passive exposure. Forensic Science International, 2012, 223, 330-334.	1.3	47
72	Prevalence of new psychoactive substances: A retrospective study in hair. Drug Testing and Analysis, 2012, 4, 402-408.	1.6	82

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73	Detection and validated quantification of 21 benzodiazepines and 3 â€œz-drugsâ€•in human hair by LCâ€"MS/MS. Forensic Science International, 2012, 215, 64-72.	1.3	74
74	Analysis of drugs of abuse in hair: Evaluation of the immunochemical method VMA-T vs. LCâ€"MS/MS or GCâ€"MS. Forensic Science International, 2012, 215, 56-59.	1.3	31
75	Positive EtG findings in hair as a result of a cosmetic treatment. Forensic Science International, 2012, 218, 97-100.	1.3	66