

Christophe P Stove

List of Publications by Year in descending order

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214
papers

6,524
citations

61857

43
h-index

102304

66
g-index

229
all docs

229
docs citations

229
times ranked

5731
citing authors

#	ARTICLE	IF	CITATIONS
1	The Transcription Factor Snail Induces Tumor Cell Invasion through Modulation of the Epithelial Cell Differentiation Program. <i>Cancer Research</i> , 2005, 65, 6237-6244.	0.4	237
2	Hemato-critical issues in quantitative analysis of dried blood spots: challenges and solutions. <i>Bioanalysis</i> , 2013, 5, 2023-2041.	0.6	213
3	Detection and Activity Profiling of Synthetic Cannabinoids and Their Metabolites with a Newly Developed Bioassay. <i>Analytical Chemistry</i> , 2016, 88, 11476-11485.	3.2	193
4	Official International Association for Therapeutic Drug Monitoring and Clinical Toxicology Guideline: Development and Validation of Dried Blood Spot-Based Methods for Therapeutic Drug Monitoring. <i>Therapeutic Drug Monitoring</i> , 2019, 41, 409-430.	1.0	188
5	Is the hematocrit still an issue in quantitative dried blood spot analysis?. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 163, 188-196.	1.4	147
6	Folates in Plants: Research Advances and Progress in Crop Biofortification. <i>Frontiers in Chemistry</i> , 2017, 5, 21.	1.8	141
7	Improving folate (vitamin B9) stability in biofortified rice through metabolic engineering. <i>Nature Biotechnology</i> , 2015, 33, 1076-1078.	9.4	140
8	Dried blood spots in toxicology: from the cradle to the grave?. <i>Critical Reviews in Toxicology</i> , 2012, 42, 230-243.	1.9	137
9	Prediction of the Hematocrit of Dried Blood Spots via Potassium Measurement on a Routine Clinical Chemistry Analyzer. <i>Analytical Chemistry</i> , 2013, 85, 404-410.	3.2	137
10	Does volumetric absorptive microsampling eliminate the hematocrit bias for caffeine and paraxanthine in dried blood samples? A comparative study. <i>Analytica Chimica Acta</i> , 2015, 881, 65-73.	2.6	128
11	A field study on 8 pharmaceuticals and 1 pesticide in Belgium: Removal rates in waste water treatment plants and occurrence in surface water. <i>Science of the Total Environment</i> , 2010, 408, 3448-3453.	3.9	94
12	P-Cadherin Promotes Cell-Cell Adhesion and Counteracts Invasion in Human Melanoma. <i>Cancer Research</i> , 2005, 65, 8774-8783.	0.4	87
13	The role of non-muscle myosin IIA in aggregation and invasion of human MCF-7 breast cancer cells. <i>International Journal of Developmental Biology</i> , 2011, 55, 835-840.	0.3	85
14	Current strategies for coping with the hematocrit problem in dried blood spot analysis. <i>Bioanalysis</i> , 2014, 6, 1871-1874.	0.6	83
15	Activity-Based Detection of Consumption of Synthetic Cannabinoids in Authentic Urine Samples Using a Stable Cannabinoid Reporter System. <i>Analytical Chemistry</i> , 2017, 89, 9527-9536.	3.2	81
16	Spot them in the spot: analysis of abused substances using dried blood spots. <i>Bioanalysis</i> , 2014, 6, 2211-2227.	0.6	80
17	Plasmin Produces an E-Cadherin Fragment That Stimulates Cancer Cell Invasion. <i>Biological Chemistry</i> , 2002, 383, 159-165.	1.2	73
18	Human Immunodeficiency Virus Nef Induces Rapid Internalization of the T-Cell Coreceptor CD81. <i>Journal of Virology</i> , 2005, 79, 11422-11433.	1.5	71

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19	P-Cadherin Is Up-Regulated by the Antiestrogen ICI 182,780 and Promotes Invasion of Human Breast Cancer Cells. <i>Cancer Research</i> , 2004, 64, 8309-8317.	0.4	70
20	Insights into biased signaling at cannabinoid receptors: synthetic cannabinoid receptor agonists. <i>Biochemical Pharmacology</i> , 2019, 169, 113623.	2.0	70
21	Recent developments in electrochemical detection of illicit drugs in diverse matrices. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112579.	5.3	70
22	A Novel, Nondestructive, Dried Blood Spot-Based Hematocrit Prediction Method Using Noncontact Diffuse Reflectance Spectroscopy. <i>Analytical Chemistry</i> , 2016, 88, 6538-6546.	3.2	69
23	Quantification of phosphatidylethanol 16:0/18:1, 18:1/18:1, and 16:0/16:0 in venous blood and venous and capillary dried blood spots from patients in alcohol withdrawal and control volunteers. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 825-838.	1.9	65
24	Report on a novel emerging class of highly potent benzimidazole NPS opioids: Chemical and in vitro functional characterization of isotonitazene. <i>Drug Testing and Analysis</i> , 2020, 12, 422-430.	1.6	65
25	Dihydrofolate Reductase/Thymidylate Synthase Fine-Tunes the Folate Status and Controls Redox Homeostasis in Plants. <i>Plant Cell</i> , 2017, 29, 2831-2853.	3.1	64
26	Synthesis and <i>in Vitro</i> Cannabinoid Receptor 1 Activity of Recently Detected Synthetic Cannabinoids 4F-MDMB-BICA, 5F-MPP-PICA, MMB-4en-PICA, CUMYL-CBMICA, ADB-BINACA, APP-BINACA, 4F-MDMB-BINACA, MDMB-4en-PINACA, A-CHMINACA, 5F-AB-P7AICA, 5F-MDMB-P7AICA, and 5F-AP7AICA. <i>ACS Chemical Neuroscience</i> , 2020, 11, 4434-4446.	1.7	62
27	Application of an activity-based receptor bioassay to investigate the in vitro activity of selected indole- and indazole-carboxamide-based synthetic cannabinoids at CB1 and CB2 receptors. <i>Drug Testing and Analysis</i> , 2019, 11, 501-511.	1.6	61
28	Volumetric absorptive microsampling as an alternative tool for therapeutic drug monitoring of first-generation anti-epileptic drugs. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2331-2341.	1.9	60
29	Potassium-based algorithm allows correction for the hematocrit bias in quantitative analysis of caffeine and its major metabolite in dried blood spots. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6749-6755.	1.9	57
30	Ultra-performance liquid chromatography-tandem mass spectrometry (UPLC-MS/MS) for the sensitive determination of folates in rice. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 509-513.	1.2	56
31	Synthesis, Chemical Characterization, and $\frac{1}{4}$ -Opioid Receptor Activity Assessment of the Emerging Group of Nitazene-2-Benzylbenzimidazole Synthetic Opioids. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1241-1251.	1.7	56
32	Optimisation and validation of a liquid chromatography-tandem mass spectrometry method for folates in rice. <i>Journal of Chromatography A</i> , 2008, 1215, 125-132.	1.8	54
33	Enhancing pterin and para-aminobenzoate content is not sufficient to successfully biofortify potato tubers and <i>Arabidopsis thaliana</i> plants with folate. <i>Journal of Experimental Botany</i> , 2013, 64, 3899-3909.	2.4	53
34	P-cadherin in adhesion and invasion: Opposite roles in colon and bladder carcinoma. <i>International Journal of Cancer</i> , 2011, 128, 1031-1044.	2.3	50
35	Volumetric absorptive microsampling at home as an alternative tool for the monitoring of HbA1c in diabetes patients. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017, 55, 462-469.	1.4	50
36	Analytical confirmation of synthetic cannabinoids in a cohort of 179 presentations with acute recreational drug toxicity to an Emergency Department in London, UK in the first half of 2015. <i>Clinical Toxicology</i> , 2017, 55, 338-345.	0.8	49

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37	Folate Biofortification of Potato by Tuber-Specific Expression of Four Folate Biosynthesis Genes. <i>Molecular Plant</i> , 2018, 11, 175-188.	3.9	49
38	Correction for the Hematocrit Bias in Dried Blood Spot Analysis Using a Nondestructive, Single-Wavelength Reflectance-Based Hematocrit Prediction Method. <i>Analytical Chemistry</i> , 2018, 90, 1795-1804.	3.2	48
39	Enantiospecific Synthesis, Chiral Separation, and Biological Activity of Four Indazole-3-Carboxamide-Type Synthetic Cannabinoid Receptor Agonists and Their Detection in Seized Drug Samples. <i>Frontiers in Chemistry</i> , 2019, 7, 321.	1.8	48
40	Dried blood spot punches for confirmation of suspected β -hydroxybutyric acid intoxications: validation of an optimized GC-MS procedure. <i>Bioanalysis</i> , 2011, 3, 2271-2281.	0.6	47
41	Evaluation of the Capitainer-B Microfluidic Device as a New Hematocrit-Independent Alternative for Dried Blood Spot Collection. <i>Analytical Chemistry</i> , 2018, 90, 12893-12899.	3.2	46
42	Activity-Based Concept to Screen Biological Matrices for Opiates and (Synthetic) Opioids. <i>Clinical Chemistry</i> , 2018, 64, 1221-1229.	1.5	46
43	Roles for neuregulins in human cancer. <i>Clinical and Experimental Metastasis</i> , 2005, 21, 665-684.	1.7	45
44	Determination of gamma-hydroxybutyric acid in dried blood spots using a simple GC-MS method with direct α - β - γ - δ -derivatization. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2173-2182.	1.9	45
45	Activity-Based Detection of Cannabinoids in Serum and Plasma Samples. <i>Clinical Chemistry</i> , 2018, 64, 918-926.	1.5	44
46	Alternative Sampling Devices to Collect Dried Blood Microsamples: State-of-the-Art. <i>Therapeutic Drug Monitoring</i> , 2021, 43, 310-321.	1.0	44
47	8-Prenylnaringenin, the phytoestrogen in hops and beer, upregulates the function of the E-cadherin/catenin complex in human mammary carcinoma cells. <i>European Journal of Cell Biology</i> , 2001, 80, 580-585.	1.6	42
48	Synthesis, characterization and in vitro anti-invasive activity screening of polyphenolic and heterocyclic compounds. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 913-929.	1.4	42
49	The Heregulin/Human Epidermal Growth Factor Receptor as a New Growth Factor System in Melanoma with Multiple Ways of Dereglulation. <i>Journal of Investigative Dermatology</i> , 2003, 121, 802-812.	0.3	41
50	Assessment of Biased Agonism among Distinct Synthetic Cannabinoid Receptor Agonist Scaffolds. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 285-295.	2.5	41
51	The use of dried blood spots for quantification of 15 antipsychotics and 7 metabolites with ultra-high performance liquid chromatography α -tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2015, 7, 502-511.	1.6	39
52	Signaling but not trafficking function of HIV-1 protein Nef is essential for Nef-induced defects in human intrathymic T-cell development. <i>Blood</i> , 2003, 102, 2925-2932.	0.6	38
53	Melanoma cells secrete follistatin, an antagonist of activin-mediated growth inhibition. <i>Oncogene</i> , 2004, 23, 5330-5339.	2.6	38
54	Evaluation of the Performance and Hematocrit Independence of the HemaPEN as a Volumetric Dried Blood Spot Collection Device. <i>Analytical Chemistry</i> , 2019, 91, 14467-14475.	3.2	38

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55	The next generation of synthetic cannabinoids: Detection, activity, and potential toxicity of pentâ€³en and butâ€³en analogues including MDMBâ€³enâ€³PINACA. <i>Drug Testing and Analysis</i> , 2021, 13, 427-438.	1.6	38
56	Fully automated therapeutic drug monitoring of anti-epileptic drugs making use of dried blood spots. <i>Journal of Chromatography A</i> , 2019, 1601, 95-103.	1.8	37
57	Functional evaluation of carboxy metabolites of synthetic cannabinoid receptor agonists featuring scaffolds based on Lâ€³valine or Lâ€³tert â€³leucine. <i>Drug Testing and Analysis</i> , 2019, 11, 1183-1191.	1.6	37
58	Screening and confirmation methods for GHB determination in biological fluids. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3553-3577.	1.9	36
59	In vitro functional characterization of a panel of non-fentanyl opioid new psychoactive substances. <i>Archives of Toxicology</i> , 2020, 94, 3819-3830.	1.9	36
60	Assessment of structure-activity relationships and biased agonism at the Mu opioid receptor of novel synthetic opioids using a novel, stable bio-assay platform. <i>Biochemical Pharmacology</i> , 2020, 177, 113910.	2.0	36
61	The Rise and Fall of Isotonitazene and Brorphine: Two Recent Stars in the Synthetic Opioid Firmament. <i>Journal of Analytical Toxicology</i> , 2022, 46, 115-121.	1.7	35
62	Alternative sampling strategies for the assessment of alcohol intake of living persons. <i>Clinical Biochemistry</i> , 2016, 49, 1078-1091.	0.8	34
63	Molecular dissection of the human A 3 adenosine receptor coupling with Î²-arrestin2. <i>Biochemical Pharmacology</i> , 2018, 148, 298-307.	2.0	34
64	Development and validation of a liquid chromatographic method for the simultaneous determination of four anthracyclines and their respective 13-S-dihydro metabolites in plasma and saliva. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3907-3915.	1.2	33
65	Identification of psychedelic new psychoactive substances (NPS) showing biased agonism at the 5-HT2AR through simultaneous use of Î²-arrestin 2 and miniGÎ±q bioassays. <i>Biochemical Pharmacology</i> , 2020, 182, 114251.	2.0	33
66	E-Cadherin Regulates Human Nanos1, which Interacts with p120ctn and Induces Tumor Cell Migration and Invasion. <i>Cancer Research</i> , 2006, 66, 10007-10015.	0.4	31
67	Quantification of EtG in hair, EtG and EtS in urine and PEth species in capillary dried blood spots to assess the alcohol consumption in driverâ€™s licence regranting cases. <i>Drug and Alcohol Dependence</i> , 2016, 165, 191-197.	1.6	31
68	Opening the toolbox of alternative sampling strategies in clinical routine: A key-role for (LC-)MS/MS. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 84, 61-73.	5.8	31
69	First Report on Brorphine: The Next Opioid on the Deadly New Psychoactive Substance Horizon?. <i>Journal of Analytical Toxicology</i> , 2021, 44, 937-946.	1.7	31
70	Consensus for the use of the alcohol biomarker phosphatidylethanol (PEth) for the assessment of abstinence and alcohol consumption in clinical and forensic practice (2022 Consensus of Basel). <i>Drug Testing and Analysis</i> , 2022, 14, 1800-1802.	1.6	31
71	Luminescence- and Fluorescence-Based Complementation Assays to Screen for GPCR Oligomerization: Current State of the Art. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2958.	1.8	30
72	The Transcriptional Repressor Kaiso Localizes at the Mitotic Spindle and Is a Constituent of the Pericentriolar Material. <i>PLoS ONE</i> , 2010, 5, e9203.	1.1	29

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73	Rice folate enhancement through metabolic engineering has an impact on rice seed metabolism, but does not affect the expression of the endogenous folate biosynthesis genes. <i>Plant Molecular Biology</i> , 2013, 83, 329-349.	2.0	29
74	Cov-MS: A Community-Based Template Assay for Mass-Spectrometry-Based Protein Detection in SARS-CoV-2 Patients. <i>Jacs Au</i> , 2021, 1, 750-765.	3.6	29
75	Shape matters: The application of activity-based <i>in vitro</i> bioassays and chiral profiling to the pharmacological evaluation of synthetic cannabinoid receptor agonists in drug-infused papers seized in prisons. <i>Drug Testing and Analysis</i> , 2021, 13, 628-643.	1.6	28
76	Activity-Based Detection and Bioanalytical Confirmation of a Fatal Carfentanil Intoxication. <i>Frontiers in Pharmacology</i> , 2018, 9, 486.	1.6	27
77	Distinct Dopamine D2 Receptor Antagonists Differentially Impact D2 Receptor Oligomerization. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1686.	1.8	27
78	Metabolic engineering of rice endosperm towards higher vitamin B1 accumulation. <i>Plant Biotechnology Journal</i> , 2021, 19, 1253-1267.	4.1	26
79	Assessment of biased agonism at the A3 adenosine receptor using β^2 -arrestin and miniG \pm recruitment assays. <i>Biochemical Pharmacology</i> , 2020, 177, 113934.	2.0	26
80	Clinical application of microsampling versus conventional sampling techniques in the quantitative bioanalysis of antibiotics: a systematic review. <i>Bioanalysis</i> , 2018, 10, 407-423.	0.6	25
81	Barriers and opportunities for the clinical implementation of therapeutic drug monitoring in oncology. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 227-236.	1.1	25
82	Interaction of β -Catulin with Dystrobrevin Contributes to Integrity of Dystrophin Complex in Muscle. <i>Journal of Biological Chemistry</i> , 2012, 287, 21717-21728.	1.6	24
83	Comprehensive investigation on synthetic cannabinoids: Metabolic behavior and potency testing, using 5FAPPICA and AMB-FUBINACA as model compounds. <i>Drug Testing and Analysis</i> , 2019, 11, 1358-1368.	1.6	24
84	The Citrus Methoxyflavone Tangeretin Affects Human Cell-Cell Interactions. <i>Advances in Experimental Medicine and Biology</i> , 2002, 505, 135-139.	0.8	24
85	A folate independent role for cytosolic HPPK/DHPS upon stress in <i>Arabidopsis thaliana</i> . <i>Phytochemistry</i> , 2012, 73, 23-33.	1.4	23
86	Design, Synthesis, and Biological Evaluation of Bivalent Ligands Targeting Dopamine D ₂ -Like Receptors and the μ -Opioid Receptor. <i>ChemMedChem</i> , 2018, 13, 944-956.	1.6	23
87	Dried blood spots in therapeutic drug monitoring and toxicology. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2018, 14, 1-3.	1.5	23
88	Self-sampling at home using volumetric absorptive microsampling: coupling analytical evaluation to volunteers' perception in the context of a large scale study. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, e185-e187.	1.4	23
89	Are capillary DBS applicable for therapeutic drug monitoring of common antipsychotics? A proof of concept. <i>Bioanalysis</i> , 2015, 7, 2119-2130.	0.6	22
90	EASL Clinical Practice Guideline: Occupational liver diseases. <i>Journal of Hepatology</i> , 2019, 71, 1022-1037.	1.8	22

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91	Porphyrins produced by acneic Cutibacterium acnes strains activate the inflammasome by inducing K ⁺ leakage. <i>IScience</i> , 2021, 24, 102575.	1.9	22
92	Fully Automated Dried Blood Spot Extraction coupled to Liquid Chromatography-tandem Mass Spectrometry for Therapeutic Drug Monitoring of Immunosuppressants. <i>Journal of Chromatography A</i> , 2021, 1653, 462430.	1.8	22
93	Pharmacological evaluation and forensic case series of N-pyrrolidino etonitazene (etonitazepyne), a newly emerging 2-benzylbenzimidazole α -nitazene TM synthetic opioid. <i>Archives of Toxicology</i> , 2022, 96, 1845-1863.	1.9	22
94	Feasibility of Following up Gamma-Hydroxybutyric Acid Concentrations in Sodium Oxybate (Xyrem [®])-Treated Narcoleptic Patients Using Dried Blood Spot Sampling at Home. <i>CNS Drugs</i> , 2013, 27, 233-237.	2.7	21
95	Acrylonitrile exposure in the general population following a major train accident in Belgium: A human biomonitoring study. <i>Toxicology Letters</i> , 2014, 231, 344-351.	0.4	21
96	Role of therapeutic drug monitoring in pulmonary infections: use and potential for expanded use of dried blood spot samples. <i>Bioanalysis</i> , 2015, 7, 481-495.	0.6	21
97	Synthesis toward Bivalent Ligands for the Dopamine D ₂ and Metabotropic Glutamate 5 Receptors. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 8212-8225.	2.9	21
98	Development, validation and application of an inductively coupled plasma α mass spectrometry method to determine cobalt in metal-on-metal prosthesis patients using volumetric absorptive microsampling. <i>Talanta</i> , 2020, 208, 120055.	2.9	21
99	In vitro structure α activity relationship determination of 30 psychedelic new psychoactive substances by means of β -arrestin 2 recruitment to the serotonin 2A receptor. <i>Archives of Toxicology</i> , 2020, 94, 3449-3460.	1.9	21
100	A validated ultra-high-performance liquid chromatography α tandem mass spectrometry method for the selective analysis of free and total folate in plasma and red blood cells. <i>Journal of Chromatography A</i> , 2015, 1398, 20-28.	1.8	20
101	Volumetric absorptive microsampling as an alternative sampling strategy for the determination of paracetamol in blood and cerebrospinal fluid. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 181-191.	1.9	20
102	Diagnosing intake and rationalizing toxicities associated with 5F-MDMB-PINACA and 4F-MDMB-BINACA abuse. <i>Archives of Toxicology</i> , 2021, 95, 489-508.	1.9	20
103	Quantification of eight hematological tyrosine kinase inhibitors in both plasma and whole blood by a validated LC-MS/MS method. <i>Talanta</i> , 2021, 226, 122140.	2.9	20
104	Cannabinoid receptor activation potential of the next generation, generic ban evading OXIZID synthetic cannabinoid receptor agonists. <i>Drug Testing and Analysis</i> , 2022, 14, 1565-1575.	1.6	20
105	Toxicokinetics and toxicodynamics of the fentanyl homologs cyclopropanoyl-1-benzyl-4-fluoro-4-anilinopiperidine and furanoyl-1-benzyl-4-anilinopiperidine. <i>Archives of Toxicology</i> , 2020, 94, 2009-2025.	1.9	19
106	Simultaneous readout of multiple FRET pairs using photochromism. <i>Nature Communications</i> , 2021, 12, 2005.	5.8	19
107	Systematic evaluation of a panel of 30 synthetic cannabinoid receptor agonists structurally related to MMB α EPICA, MDMB α EPINACA, ADB α EPINACA, and MMB α CN α BUTINACA using a combination of binding and different CB ₁ receptor activation assays: Part I α Synthesis, analytical characterization, and binding affinity for human CB ₁ receptors. <i>Drug Testing and Analysis</i> , 2021, 13, 1383-1401.	1.6	19
108	Inhibition of p-Aminobenzoate and Folate Syntheses in Plants and Apicomplexan Parasites by Natural Product Rubreserine. <i>Journal of Biological Chemistry</i> , 2012, 287, 22367-22376.	1.6	18

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109	An optimized and validated SPE-LC-MS/MS method for the determination of caffeine and paraxanthine in hair. <i>Talanta</i> , 2015, 144, 62-70.	2.9	18
110	Systematic evaluation of a panel of 30 synthetic cannabinoid receptor agonists structurally related to MMB-4-PICA, MDMB-4-PINACA, ADB-4-PINACA, and MMB-4-CN-BUTINACA using a combination of binding and different CB ₁ receptor activation assays”Part II: Structure activity relationship assessment via a β -arrestin recruitment assay. <i>Drug Testing and Analysis</i> , 2021, 13, 1402-1411.	1.6	18
111	DBS and beyond. <i>Bioanalysis</i> , 2015, 7, 1961-1962.	0.6	17
112	Serotonin 2A Receptor (5-HT _{2A}) Activation by 25H-NBOMe Positional Isomers: <i>In Vitro</i> Functional Evaluation and Molecular Docking. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 479-487.	2.5	17
113	Determination of gamma-hydroxybutyric acid in biofluids using a one-step procedure with α -vial-derivatization and headspace-trap gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1296, 84-92.	1.8	16
114	Why Dried Blood Spots Are an Ideal Tool for CYP1A2 Phenotyping. <i>Clinical Pharmacokinetics</i> , 2014, 53, 763-771.	1.6	16
115	Setup of a Serotonin 2A Receptor (5-HT _{2A}) Bioassay: Demonstration of Its Applicability To Functionally Characterize Hallucinogenic New Psychoactive Substances and an Explanation Why 5-HT _{2A} Bioassays Are Not Suited for Universal Activity-Based Screening of Biofluids for New Psychoactive Substances. <i>Analytical Chemistry</i> , 2019, 91, 15444-15452.	3.2	16
116	Activity-based reporter assays for the screening of abused substances in biological matrices. <i>Critical Reviews in Toxicology</i> , 2019, 49, 95-109.	1.9	16
117	Quantification of cocaine and cocaine metabolites in dried blood spots from a controlled administration study using liquid chromatography-tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2019, 11, 709-720.	1.6	16
118	Hematocrit prediction in volumetric absorptive microsamples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 190, 113491.	1.4	16
119	<i>In vitro</i> activity profiling of Cumyl-PEGACLONE variants at the CB ₁ receptor: Fluorination versus isomer exploration. <i>Drug Testing and Analysis</i> , 2020, 12, 1336-1343.	1.6	16
120	CYP1A2 phenotyping in dried blood spots and microvolumes of whole blood and plasma. <i>Bioanalysis</i> , 2014, 6, 3011-3024.	0.6	15
121	Folates from metabolically engineered rice: A long-term study in rats. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 490-500.	1.5	15
122	Hide and Seek: Overcoming the Masking Effect of Opioid Antagonists in Activity-Based Screening Tests. <i>Clinical Chemistry</i> , 2019, 65, 1604-1605.	1.5	15
123	Quantitation of phosphatidylethanol in dried blood after volumetric absorptive microsampling. <i>Talanta</i> , 2021, 223, 121694.	2.9	15
124	Near-infrared-based hematocrit prediction of dried blood spots: An in-depth evaluation. <i>Clinica Chimica Acta</i> , 2021, 523, 239-246.	0.5	15
125	Quantitative liquid chromatographic analysis of anthracyclines in biological fluids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 2471-2486.	1.2	14
126	Alternative Sampling Strategies for Cytochrome P450 Phenotyping. <i>Clinical Pharmacokinetics</i> , 2016, 55, 169-184.	1.6	14

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127	Systematic evaluation of a panel of 30 synthetic cannabinoid receptor agonists structurally related to MMBâ€4enâ€PICA, MDMBâ€4enâ€PINACA, ADBâ€4enâ€PINACA, and MMBâ€4CNâ€BUTINACA using a combination of binding and different CB1 receptor activation assays. Part III: The G protein pathway and critical comparison of different assays. <i>Drug Testing and Analysis</i> , 2021, 13, 1412-1429.	1.6	14
128	Alternative Sampling Strategies in Therapeutic Drug Monitoring: Microsampling Growing Toward Maturity. <i>Therapeutic Drug Monitoring</i> , 2021, 43, 307-309.	1.0	14
129	Volumetric absorptive microsampling as a suitable tool to monitor tyrosine kinase inhibitors. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 207, 114418.	1.4	14
130	Folate Profiling in Potato (<i>Solanum tuberosum</i>) Tubers by Ultrahigh-Performance Liquid Chromatographyâ€Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3092-3100.	2.4	13
131	Do capillary dried blood spot concentrations of gammaâ€hydroxybutyric acid mirror those in venous blood? A comparative study. <i>Drug Testing and Analysis</i> , 2015, 7, 336-340.	1.6	13
132	Probing structure-activity relationship in Î²-arrestin2 recruitment of diversely substituted adenosine derivatives. <i>Biochemical Pharmacology</i> , 2018, 158, 103-113.	2.0	13
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