

Neil Spooner

List of Publications by Year in Descending Order

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

60
papers

2,694
citations

26
h-index

51
g-index

62
ext. papers

2,927
ext. citations

3.1
avg, IF

5.37
L-index

#	Paper	IF	Citations
60	Solid-phase microextraction for assessment of plasma protein binding, a complement to rapid equilibrium dialysis. <i>Bioanalysis</i> , 2021 , 13, 1101-1111	2.1	1
59	Patient-centric sampling special focus issue. <i>Bioanalysis</i> , 2020 , 12, 867-868	2.1	1
58	testing of the hemaPEN microsampling device for the quantification of acetaminophen in human blood. <i>Bioanalysis</i> , 2020 , 12, 1725-1737	2.1	3
57	Reflecting on with the Senior Editors. <i>Bioanalysis</i> , 2019 , 11, 557-560	2.1	0
56	Microsampling for quantitative bioanalysis, an industry update: output from an AAPS/EBF survey. <i>Bioanalysis</i> , 2019 , 11, 619-628	2.1	16
55	Bioanalysis: 10 years of progress. <i>Bioanalysis</i> , 2019 , 11, 547-549	2.1	0
54	Microsampling: considerations for its use in pharmaceutical drug discovery and development. <i>Bioanalysis</i> , 2019 , 11, 1015-1038	2.1	26
53	Validation of methods for determining pediatric midazolam using wet whole blood and volumetric absorptive microsampling. <i>Bioanalysis</i> , 2019 , 11, 1737-1754	2.1	10
52	The business of bioanalysis: summary of panel discussions. <i>Bioanalysis</i> , 2018 , 10, 1169-1175	2.1	1
51	Clinical and Pharmaceutical Solutions through Analysis: Europe 2018. <i>Bioanalysis</i> , 2018 , 10, 1251-1253	2.1	
50	Ensuring the collection of high-quality dried blood spot samples across multisite clinical studies. <i>Bioanalysis</i> , 2017 , 9, 209-213	2.1	21
49	Outsourcing strategies in bioanalysis. <i>Bioanalysis</i> , 2017 , 9, 1125-1126	2.1	3
48	The changing world of bioanalysis: summary of panel discussions. <i>Bioanalysis</i> , 2017 , 9, 1175-1179	2.1	6
47	From patient to tube: the importance of physiologically relevant quantitative bioanalytical assays. <i>Bioanalysis</i> , 2016 , 8, 2595-2604	2.1	1
46	The current skills gaps in analytical sciences are failing industry: debate at the 21st International Reid Bioanalytical Forum. <i>Bioanalysis</i> , 2016 , 8, 1437-9	2.1	
45	An investigation of the comparability of commercially sourced plasma and pharmaceutical study plasma, using total protein concentration. <i>Bioanalysis</i> , 2016 , 8, 311-21	2.1	
44	Issues facing the bioanalytical community: summary of round table discussions. <i>Bioanalysis</i> , 2016 , 8, 2189-2193		5

43	Quantitative bioanalysis of paracetamol in rats using volumetric absorptive microsampling (VAMS). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 108, 61-9	3.5	53
42	Attractive design: an elution solvent optimization platform for magnetic-bead-based fractionation using digital microfluidics and design of experiments. <i>Analytical Chemistry</i> , 2015 , 87, 3902-10	7.8	23
41	Investigation of different approaches to incorporating internal standard in DBS quantitative bioanalytical workflows and their effect on nullifying hematocrit-based assay bias. <i>Analytical Chemistry</i> , 2015 , 87, 4996-5003	7.8	68
40	DBS direct elution: optimizing performance in high-throughput quantitative LC-MS/MS analysis. <i>Bioanalysis</i> , 2015 , 7, 2003-17	2.1	5
39	DBS and beyond. <i>Bioanalysis</i> , 2015 , 7, 1961-2	2.1	15
38	Direct ionization of solid-phase microextraction fibers for quantitative drug bioanalysis: from peripheral circulation to mass spectrometry detection. <i>Analytical Chemistry</i> , 2015 , 87, 754-9	7.8	49
37	Optimization of an automated IS addition system for use in high-throughput quantitative DBS analysis. <i>Bioanalysis</i> , 2015 , 7, 2763-75	2.1	3
36	A device for dried blood microsampling in quantitative bioanalysis: overcoming the issues associated blood hematocrit. <i>Bioanalysis</i> , 2015 , 7, 653-9	2.1	133
35	Overcoming the barriers to the uptake of nonclinical microsampling in regulatory safety studies. <i>Drug Discovery Today</i> , 2014 , 19, 528-32	8.8	51
34	Volumetric absorptive microsampling: a dried sample collection technique for quantitative bioanalysis. <i>Analytical Chemistry</i> , 2014 , 86, 8489-95	7.8	235
33	Reducing pre-clinical blood volumes for toxicokinetics: toxicologists, pathologists and bioanalysts unite. <i>Bioanalysis</i> , 2014 , 6, 2965-8	2.1	28
32	Pharmaceutical Perspectives of Use of Dried Blood Spots 2014 , 151-159		1
31	Integrating internal and external bioanalytical support to deliver a diversified pharmaceutical portfolio. <i>Bioanalysis</i> , 2014 , 6, 1311-9	2.1	8
30	Multiplexed extraction and quantitative analysis of pharmaceuticals from DBS samples using digital microfluidics. <i>Bioanalysis</i> , 2014 , 6, 307-18	2.1	26
29	Preliminary investigation into the use of a real-time PCR method for the quantification of an oligonucleotide in human plasma and the development of novel acceptance criteria. <i>Bioanalysis</i> , 2014 , 6, 127-36	2.1	6
28	European Bioanalysis Forum continued plans to support liquid microsampling. <i>Bioanalysis</i> , 2014 , 6, 1897-900		9
27	In-depth study of homogeneity in DBS using two different techniques: results from the EBF DBS-microsampling consortium. <i>Bioanalysis</i> , 2013 , 5, 2161-9	2.1	44
26	Training and microsample collection 2013 , 14-28		3

25	A dried blood spot update: still an important bioanalytical technique?. <i>Bioanalysis</i> , 2013 , 5, 879-83	2.1	26
24	Effect of ambient humidity on the rate at which blood spots dry and the size of the spot produced. <i>Bioanalysis</i> , 2013 , 5, 1863-71	2.1	11
23	Assessment of the within- and between-lot variability of Whatman FTA () DMPK and 903 () DBS papers and their suitability for the quantitative bioanalysis of small molecules. <i>Bioanalysis</i> , 2013 , 5, 2613-30	2.1	9
22	A novel approach to capillary plasma microsampling for quantitative bioanalysis. <i>Bioanalysis</i> , 2013 , 5, 1131-5	2.1	48
21	Dried blood spots and sparse sampling: a practical approach to estimating pharmacokinetic parameters of caffeine in preterm infants. <i>British Journal of Clinical Pharmacology</i> , 2013 , 75, 805-13	3.8	29
20	Dried blood spots, pharmacokinetic studies and better medicines for children. <i>Bioanalysis</i> , 2011 , 3, 779-86	2.1	48
19	Quantitative analysis of therapeutic drugs in dried blood spot samples by paper spray mass spectrometry: an avenue to therapeutic drug monitoring. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 1501-7	3.5	177
18	Method of applying internal standard to dried matrix spot samples for use in quantitative bioanalysis. <i>Analytical Chemistry</i> , 2011 , 83, 8779-86	7.8	60
17	Dried matrix spot direct analysis: evaluating the robustness of a direct elution technique for use in quantitative bioanalysis. <i>Bioanalysis</i> , 2011 , 3, 2769-81	2.1	46
16	Determination of drug concentrations using dried blood spots: investigation of blood sampling and collection techniques in CrI:CD(SD) rats. <i>Laboratory Animals</i> , 2011 , 45, 109-13	2.6	5
15	Rapid analysis of dried blood spot samples with sub-2-µm LC-MS/MS. <i>Bioanalysis</i> , 2011 , 3, 411-20	2.1	16
14	Effect of storage conditions on the weight and appearance of dried blood spot samples on various cellulose-based substrates. <i>Bioanalysis</i> , 2010 , 2, 1817-22	2.1	26
13	Study to assess the effect of age of control human and animal blood on its suitability for use in quantitative bioanalytical DBS methods. <i>Bioanalysis</i> , 2010 , 2, 1373-84	2.1	15
12	A glowing future for dried blood spot sampling. <i>Bioanalysis</i> , 2010 , 2, 1343-4	2.1	35
11	Use of DBS sample collection to determine circulating drug concentrations in clinical trials: practicalities and considerations. <i>Bioanalysis</i> , 2010 , 2, 1515-22	2.1	40
10	Dried blood spot sampling for quantitative bioanalysis: time for a revolution?. <i>Bioanalysis</i> , 2010 , 2, 1781	2.1	19
9	The effect of hematocrit on assay bias when using DBS samples for the quantitative bioanalysis of drugs. <i>Bioanalysis</i> , 2010 , 2, 1385-95	2.1	228
8	Dried blood spots as a sample collection technique for the determination of pharmacokinetics in clinical studies: considerations for the validation of a quantitative bioanalytical method. <i>Analytical Chemistry</i> , 2009 , 81, 1557-63	7.8	366

7	Direct quantitative bioanalysis of drugs in dried blood spot samples using a thin-layer chromatography mass spectrometer interface. <i>Analytical Chemistry</i> , 2009 , 81, 10275-84	7.8	106
6	Application of dried blood spots combined with HPLC-MS/MS for the quantification of acetaminophen in toxicokinetic studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 870, 32-7	3.2	227
5	Evaluation of ultra-performance liquid chromatography in the bioanalysis of small molecule drug candidates in plasma. <i>Journal of Chromatographic Science</i> , 2007 , 45, 298-304	1.4	20
4	Reduction of signal suppression effects in ESI-MS using a nanosplitting device. <i>Analytical Chemistry</i> , 2001 , 73, 5635-44	7.8	162
3	Application of atmospheric pressure ionization time-of-flight mass spectrometry coupled with liquid chromatography for the characterization of in vitro drug metabolites. <i>Analytical Chemistry</i> , 2000 , 72, 3342-8	7.8	41
2	Biologically mediated defunctionalization of chlorophyll in the aquatic environment I: Senescence/decay of the diatom <i>Phaeodactylum tricornutum</i> . <i>Organic Geochemistry</i> , 1994 , 21, 509-516	3.1	39
1	Biological defunctionalisation of chlorophyll in the aquatic environment II: action of endogenous algal enzymes and aerobic bacteria. <i>Organic Geochemistry</i> , 1994 , 22, 773-780	3.1	26