Neil Spooner

List of Publications by Year
in descending order

59 papers	3,177 citations	186254 28 h-index	149686 56 g-index
62 all docs	62 docs citations	62 times ranked	2037 citing authors

#	Article	IF	Citations
1	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. Analytical Chemistry, 2009, 81, 1557-1563.	6.5	397
2	Volumetric Absorptive Microsampling: A Dried Sample Collection Technique for Quantitative Bioanalysis. Analytical Chemistry, 2014, 86, 8489-8495.	6.5	316
3	The effect of hematocrit on assay bias when using DBS samples for the quantitative bioanalysis of drugs. Bioanalysis, 2010, 2, 1385-1395.	1.5	269
4	Application of dried blood spots combined with HPLC-MS/MS for the quantification of acetaminophen in toxicokinetic studies. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 870, 32-37.	2.3	249
5	Quantitative Analysis of Therapeutic Drugs in Dried Blood Spot Samples by Paper Spray Mass Spectrometry: An Avenue to Therapeutic Drug Monitoring. Journal of the American Society for Mass Spectrometry, 2011, 22, 1501-1507.	2.8	197
6	Reduction of Signal Suppression Effects in ESI-MS Using a Nanosplitting Device. Analytical Chemistry, 2001, 73, 5635-5644.	6.5	180
7	A device for dried blood microsampling in quantitative bioanalysis: overcoming the issues associated blood hematocrit. Bioanalysis, 2015, 7, 653-659.	1.5	173
8	Direct Quantitative Bioanalysis of Drugs in Dried Blood Spot Samples Using a Thin-Layer Chromatography Mass Spectrometer Interface. Analytical Chemistry, 2009, 81, 10275-10284.	6.5	119
9	Investigation of Different Approaches to Incorporating Internal Standard in DBS Quantitative Bioanalytical Workflows and Their Effect on Nullifying Hematocrit-Based Assay Bias. Analytical Chemistry, 2015, 87, 4996-5003.	6.5	83
10	Method of Applying Internal Standard to Dried Matrix Spot Samples for Use in Quantitative Bioanalysis. Analytical Chemistry, 2011, 83, 8779-8786.	6.5	67
11	Quantitative bioanalysis of paracetamol in rats using volumetric absorptive microsampling (VAMS). Journal of Pharmaceutical and Biomedical Analysis, 2015, 108, 61-69.	2.8	64
12	Overcoming the barriers to the uptake of nonclinical microsampling in regulatory safety studies. Drug Discovery Today, 2014, 19, 528-532.	6.4	62
13	In-depth study of homogeneity in DBS using two different techniques: results from the EBF DBS-microsampling consortium. Bioanalysis, 2013, 5, 2161-2169.	1.5	56
14	A novel approach to capillary plasma microsampling for quantitative bioanalysis. Bioanalysis, 2013, 5, 1131-1135.	1.5	55
15	Dried blood spots, pharmacokinetic studies and better medicines for children. Bioanalysis, 2011, 3, 779-786.	1.5	53
16	Direct Ionization of Solid-Phase Microextraction Fibers for Quantitative Drug Bioanalysis: From Peripheral Circulation to Mass Spectrometry Detection. Analytical Chemistry, 2015, 87, 754-759.	6.5	52
17	Dried matrix spot direct analysis: evaluating the robustness of a direct elution technique for use in quantitative bioanalysis. Bioanalysis, 2011, 3, 2769-2781.	1.5	50
18	Microsampling: considerations for its use in pharmaceutical drug discovery and development. Bioanalysis, 2019, 11, 1015-1038.	1.5	50

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19	Use of DBS sample collection to determine circulating drug concentrations in clinical trials: practicalities and considerations. Bioanalysis, 2010, 2, 1515-1522.	1.5	46
20	Application of Atmospheric Pressure Ionization Time-of-Flight Mass Spectrometry Coupled with Liquid Chromatography for the Characterization of in Vitro Drug Metabolites. Analytical Chemistry, 2000, 72, 3342-3348.	6.5	44
21	Biologically mediated defunctionalization of chlorophyll in the aquatic environmentâ€"I. Senescence/decay of the diatom Phaeodactylum tricornutum. Organic Geochemistry, 1994, 21, 509-516.	1.8	42
22	A glowing future for dried blood spot sampling. Bioanalysis, 2010, 2, 1343-1344.	1.5	38
23	Dried blood spots and sparse sampling: a practical approach to estimating pharmacokinetic parameters of caffeine in preterm infants. British Journal of Clinical Pharmacology, 2013, 75, 805-813.	2.4	37
24	Reducing pre-clinical blood volumes for toxicokinetics: toxicologists, pathologists and bioanalysts unite. Bioanalysis, 2014, 6, 2965-2968.	1.5	34
25	Microsampling for quantitative bioanalysis, an industry update: output from an AAPS/EBF survey. Bioanalysis, 2019, 11, 619-628.	1.5	34
26	Biological defunctionalisation of chlorophyll in the aquatic environment II: action of endogenous algal enzymes and aerobic bacteria. Organic Geochemistry, 1994, 22, 773-780.	1.8	31
27	A dried blood spot update: still an important bioanalytical technique?. Bioanalysis, 2013, 5, 879-883.	1.5	29
28	Effect of storage conditions on the weight and appearance of dried blood spot samples on various cellulose-based substrates. Bioanalysis, 2010, 2, 1817-1822.	1.5	28
29	Multiplexed extraction and quantitative analysis of pharmaceuticals from DBS samples using digital microfluidics. Bioanalysis, 2014, 6, 307-318.	1.5	28
30	Attractive Design: An Elution Solvent Optimization Platform for Magnetic-Bead-based Fractionation Using Digital Microfluidics and Design of Experiments. Analytical Chemistry, 2015, 87, 3902-3910.	6.5	26
31	Ensuring the collection of high-quality dried blood spot samples across multisite clinical studies. Bioanalysis, 2017, 9, 209-213.	1.5	26
32	Evaluation of Ultra-Performance Liquid Chromatography in the Bioanalysis of Small Molecule Drug Candidates in Plasma. Journal of Chromatographic Science, 2007, 45, 298-304.	1.4	22
33	Dried blood spot sampling for quantitative bioanalysis: time for a revolution?. Bioanalysis, 2010, 2, 1781-1781.	1.5	22
34	Rapid analysis of dried blood spot samples with sub-2-Âµm LCâ€"MS/MS. Bioanalysis, 2011, 3, 411-420.	1.5	21
35	DBS and beyond. Bioanalysis, 2015, 7, 1961-1962.	1.5	17
36	Study to assess the effect of age of control human and animal blood on its suitability for use in quantitative bioanalytical DBS methods. Bioanalysis, 2010, 2, 1373-1384.	1.5	16

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37	EBF: reflection on bioanalytical assay requirements used to support liquid microsampling. Bioanalysis, 2014, 6, 2581-2586.	1.5	16
38	Effect of ambient humidity on the rate at which blood spots dry and the size of the spot produced. Bioanalysis, 2013, 5, 1863-1871.	1.5	15
39	Validation of methods for determining pediatric midazolam using wet whole blood and volumetric absorptive microsampling. Bioanalysis, 2019, 11, 1737-1754.	1.5	14
40	Assessment of the within- and between-lot variability of Whatmanâ„¢ FTA^{Â®}DMPK and 903^{Â®}DBS papers and their suitability for the quantitative bioanalysis of small molecules. Bioanalysis, 2013, 5, 2613-2630.	1.5	11
41	European Bioanalysis Forum continued plans to support liquid microsampling. Bioanalysis, 2014, 6, 1897-1900.	1.5	11
42	In vitro testing of the hemaPEN microsampling device for the quantification of acetaminophen in human blood. Bioanalysis, 2020, 12, 1725-1737.	1.5	9
43	Integrating internal and external bioanalytical support to deliver a diversified pharmaceutical portfolio. Bioanalysis, 2014, 6, 1311-1319.	1.5	8
44	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. Bioanalysis, 2014, 6, 127-136.	1.5	7
45	Patient-centric sampling special focus issue. Bioanalysis, 2020, 12, 867-868.	1.5	7
46	Determination of drug concentrations using dried blood spots: investigation of blood sampling and collection techniques in Crl:CD(SD) rats. Laboratory Animals, 2011, 45, 109-113.	1.0	6
47	DBS direct elution: optimizing performance in high-throughput quantitative LCâ€“MS/MS analysis. Bioanalysis, 2015, 7, 2003-2018.	1.5	6
48	The changing world of bioanalysis: summary of panel discussions. Bioanalysis, 2017, 9, 1175-1179.	1.5	6
49	Issues facing the bioanalytical community: summary of round table discussions. Bioanalysis, 2016, 8, 2189-2193.	1.5	5
50	Optimization of an automated IS addition system for use in high-throughput quantitative DBS analysis. Bioanalysis, 2015, 7, 2763-2775.	1.5	4
51	Outsourcing strategies in bioanalysis. Bioanalysis, 2017, 9, 1125-1126.	1.5	3
52	From patient to tube: the importance of physiologically relevant quantitative bioanalytical assays. Bioanalysis, 2016, 8, 2595-2604.	1.5	2
53	Bioanalysis: 10 years of progress. Bioanalysis, 2019, 11, 547-549.	1.5	2
54	Solid-phase microextraction for assessment of plasma protein binding, a complement to rapid equilibrium dialysis. Bioanalysis, 2021, 13, 1101-1111.	1.5	2

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55	The business of bioanalysis: summary of panel discussions. Bioanalysis, 2018, 10, 1169-1175.	1.5	1
56	Reflecting on Bioanalysis with the Senior Editors. Bioanalysis, 2019, 11, 557-560.	1.5	1
57	The current skills gaps in analytical sciences are failing industry: debate at the 21st International Reid Bioanalytical Forum. Bioanalysis, 2016, 8, 1437-1439.	1.5	0
58	An investigation of the comparability of commercially sourced plasma and pharmaceutical study plasma, using total protein concentration. Bioanalysis, 2016, 8, 311-321.	1.5	0
59	Clinical and Pharmaceutical Solutions through Analysis: Europe 2018. Bioanalysis, 2018, 10, 1251-1253.	1.5	0