

Frank Dieterle

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

4,241
citations

331670

21
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

6165
citing authors

#	ARTICLE	IF	CITATIONS
1	Probabilistic Quotient Normalization as Robust Method to Account for Dilution of Complex Biological Mixtures. Application in ¹ H NMR Metabonomics. <i>Analytical Chemistry</i> , 2006, 78, 4281-4290.	6.5	1,486
2	Kidney injury molecule-1 outperforms traditional biomarkers of kidney injury in preclinical biomarker qualification studies. <i>Nature Biotechnology</i> , 2010, 28, 478-485.	17.5	552
3	Next-generation biomarkers for detecting kidney toxicity. <i>Nature Biotechnology</i> , 2010, 28, 436-440.	17.5	454
4	Renal biomarker qualification submission: a dialog between the FDA-EMA and Predictive Safety Testing Consortium. <i>Nature Biotechnology</i> , 2010, 28, 455-462.	17.5	355
5	Urinary clusterin, cystatin C, β 2-microglobulin and total protein as markers to detect drug-induced kidney injury. <i>Nature Biotechnology</i> , 2010, 28, 463-469.	17.5	293
6	A panel of urinary biomarkers to monitor reversibility of renal injury and a serum marker with improved potential to assess renal function. <i>Nature Biotechnology</i> , 2010, 28, 486-494.	17.5	189
7	Towards consensus practices to qualify safety biomarkers for use in early drug development. <i>Nature Biotechnology</i> , 2010, 28, 446-454.	17.5	113
8	Performance of Novel Kidney Biomarkers in Preclinical Toxicity Studies. <i>Toxicological Sciences</i> , 2010, 116, 8-22.	3.1	101
9	Metabolic profiling technologies for biomarker discovery in biomedicine and drug development. <i>Pharmacogenomics</i> , 2006, 7, 1055-1075.	1.3	80
10	NMR and MS Methods for Metabonomics. <i>Methods in Molecular Biology</i> , 2011, 691, 385-415.	0.9	77
11	NMR and MS Methods for Metabolomics. <i>Methods in Molecular Biology</i> , 2017, 1641, 229-258.	0.9	59
12	Tissue-specific, non-invasive toxicity biomarkers: translation from preclinical safety assessment to clinical safety monitoring. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2009, 5, 1023-1038.	3.3	53
13	Metabolite Projection Analysis for Fast Identification of Metabolites in Metabonomics. Application in an Amiodarone Study. <i>Analytical Chemistry</i> , 2006, 78, 3551-3561.	6.5	51
14	Promises of Biomarkers in Drug Development ? A Reality Check. <i>Chemical Biology and Drug Design</i> , 2007, 69, 381-394.	3.2	49
15	Growing neural networks for a multivariate calibration and variable selection of time-resolved measurements. <i>Analytica Chimica Acta</i> , 2003, 490, 71-83.	5.4	42
16	Application of Metabonomics in a Compound Ranking Study in Early Drug Development Revealing Drug-Induced Excretion of Choline into Urine. <i>Chemical Research in Toxicology</i> , 2006, 19, 1175-1181.	3.3	38
17	Cross-study and cross-omics comparisons of three nephrotoxic compounds reveal mechanistic insights and new candidate biomarkers. <i>Toxicology and Applied Pharmacology</i> , 2011, 252, 112-122.	2.8	37
18	Quantification of Quaternary Mixtures of Low Alcohols in Water: β Temporal-Resolved Measurements with Microporous and Hyperbranched Polymer Sensors for Reduction of Sensor Number. <i>Analytical Chemistry</i> , 2005, 77, 5542-5550.	6.5	32

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19	Discrimination of Methanol and Ethanol Vapors by the Use of a Single Optical Sensor with a Microporous Sensitive Layer. <i>Analytical Chemistry</i> , 2002, 74, 4781-4787.	6.5	29
20	Application of Metabonomics in a Comparative Profiling Study Reveals N-Acetylfeline Excretion as a Biomarker for Inhibition of the Farnesyl Pathway by Bisphosphonates. <i>Chemical Research in Toxicology</i> , 2007, 20, 1291-1299.	3.3	24
21	New technologies around biomarkers and their interplay with drug development. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 141-154.	3.7	23
22	Monitoring kidney safety in drug development: emerging technologies and their implications. <i>Current Opinion in Drug Discovery & Development</i> , 2008, 11, 60-71.	1.9	21
23	NMR Spectroscopy Techniques for Application to Metabonomics. , 2007, , 55-112.		20
24	Genetic algorithms and neural networks for the quantitative analysis of ternary mixtures using surface plasmon resonance. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2003, 65, 67-81.	3.5	19
25	Different approaches to multivariate calibration of nonlinear sensor data. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 380, 383-396.	3.7	19
26	Biomarkers in oncology drug development: rescuers or troublemakers?. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2008, 4, 1391-1402.	3.3	16
27	Quantification of quaternary mixtures of alcohols: a comparison of reflectometric interference spectroscopy and surface plasmon resonance spectroscopy. <i>Measurement Science and Technology</i> , 2004, 15, 540-548.	2.6	9
28	Time-resolved sensor arrays. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 66-67.	3.7	0