

Jasper Engel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/520187/publications.pdf>

Version: 2024-02-01

24
papers

1,197
citations

759233

12
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

2175
citing authors

#	ARTICLE	IF	CITATIONS
1	Breaking with trends in pre-processing?. TrAC - Trends in Analytical Chemistry, 2013, 50, 96-106.	11.4	367
2	Non-targeted UHPLC-MS metabolomic data processing methods: a comparative investigation of normalisation, missing value imputation, transformation and scaling. Metabolomics, 2016, 12, 93.	3.0	232
3	Nextâ€­generation metabolic screening: targeted and untargeted metabolomics for the diagnosis of inborn errors of metabolism in individual patients. Journal of Inherited Metabolic Disease, 2018, 41, 337-353.	3.6	145
4	A complete workflow for high-resolution spectral-stitching nanoelectrospray direct-infusion mass-spectrometry-based metabolomics and lipidomics. Nature Protocols, 2017, 12, 310-328.	12.0	121
5	Chemometrics and qualitative analysis have a vibrant relationship. TrAC - Trends in Analytical Chemistry, 2015, 69, 34-51.	11.4	91
6	Confirmation of brand identity of a Trappist beer by mid-infrared spectroscopy coupled with multivariate data analysis. Talanta, 2012, 99, 426-432.	5.5	35
7	ANOVA simultaneous component analysis: A tutorial review. Analytica Chimica Acta: X, 2020, 6, 100061.	1.0	35
8	Prevalence of coeliac disease in Northwest China: heterogeneity across Northern Silk road ethnic populations. Alimentary Pharmacology and Therapeutics, 2020, 51, 1116-1129.	3.7	28
9	An overview of largeâ€­dimensional covariance and precision matrix estimators with applications in chemometrics. Journal of Chemometrics, 2017, 31, e2880.	1.3	25
10	Towards the Disease Biomarker in an Individual Patient Using Statistical Health Monitoring. PLoS ONE, 2014, 9, e92452.	2.5	25
11	Evaluation of metabolomic changes during neoadjuvant chemotherapy combined with bevacizumab in breast cancer using MR spectroscopy. Metabolomics, 2017, 13, 1.	3.0	20
12	General Framing of Low-, Mid-, and High-Level Data Fusion With Examples in the Life Sciences. Data Handling in Science and Technology, 2019, 31, 51-79.	3.1	18
13	Integrated multi-omics approach reveals a role of ALDH1A1 in lipid metabolism in human colon cancer cells. Chemico-Biological Interactions, 2019, 304, 88-96.	4.0	15
14	Drought-induced mortality in Scots pine: opening the metabolic black box. Tree Physiology, 2019, 39, 1358-1370.	3.1	10
15	Application of a cocktail approach to screen cytochrome P450 BM3 libraries for metabolic activity and diversity. Analytical and Bioanalytical Chemistry, 2016, 408, 1425-1443.	3.7	5
16	Equivalence tests for safety assessment of genetically modified crops using plant composition data. Food and Chemical Toxicology, 2021, 156, 112517.	3.6	5
17	Dissimilarity based Partial Least Squares (DPLS) for genomic prediction from SNPs. BMC Genomics, 2016, 17, 324.	2.8	4
18	Application of Passive Sampling to Characterise the Fish Exometabolome. Metabolites, 2017, 7, 8.	2.9	4

#	ARTICLE	IF	CITATIONS
19	The Disruptive 4IR in the Life Sciences: Metabolomics. Lecture Notes in Electrical Engineering, 2020, , 227-256.	0.4	4
20	ASCA: The Implementation of Design of Experiments Into Multivariate Modelling in Chemometrics. Comprehensive Analytical Chemistry, 2018, 82, 301-335.	1.3	3
21	Improved One-Class Modeling of High-Dimensional Metabolomics Data via Eigenvalue-Shrinkage. Metabolites, 2021, 11, 237.	2.9	3
22	Space and patchiness affects diversityâ€“function relationships in fungal decay communities. ISME Journal, 2021, 15, 720-731.	9.8	2
23	Better interpretable models after correcting for natural variation: Residual approaches examined. Chemometrics and Intelligent Laboratory Systems, 2018, 174, 142-148.	3.5	0
24	Regularized Multivariate Analysis of Variance. , 2020, , 479-494.		0