# Jasper Engel

List of Publications by Year
in descending order

| 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 | Space and patchiness affects diversity–function relationships in fungal decay communities. ISME Journal, 2021, 15, 720-731. | 9.8 | 2 |
| 2 | Improved One-Class Modeling of High-Dimensional Metabolomics Data via Eigenvalue-Shrinkage. Metabolites, 2021, 11, 237. | 2.9 | 3 |
| 3 | Equivalence tests for safety assessment of genetically modified crops using plant composition data. Food and Chemical Toxicology, 2021, 156, 112517. | 3.6 | 5 |
| 4 | Regularized Multivariate Analysis of Variance. , 2020, , 479-494. | | 0 |
| 5 | ANOVA simultaneous component analysis: A tutorial review. Analytica Chimica Acta: X, 2020, 6, 100061. | 1.0 | 35 |
| 6 | 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 |
| 7 | The Disruptive 4IR in the Life Sciences: Metabolomics. Lecture Notes in Electrical Engineering, 2020, , 227-256. | 0.4 | 4 |
| 8 | 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 |
| 9 | Drought-induced mortality in Scots pine: opening the metabolic black box. Tree Physiology, 2019, 39, 1358-1370. | 3.1 | 10 |
| 10 | 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 |
| 11 | Better interpretable models after correcting for natural variation: Residual approaches examined. Chemometrics and Intelligent Laboratory Systems, 2018, 174, 142-148. | 3.5 | 0 |
| 12 | Next‐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 |
| 13 | ASCA: The Implementation of Design of Experiments Into Multivariate Modelling in Chemometrics. Comprehensive Analytical Chemistry, 2018, 82, 301-335. | 1.3 | 3 |
| 14 | 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 |
| 15 | Evaluation of metabolomic changes during neoadjuvant chemotherapy combined with bevacizumab in breast cancer using MR spectroscopy. Metabolomics, 2017, 13, 1. | 3.0 | 20 |
| 16 | An overview of large‐dimensional covariance and precision matrix estimators with applications in chemometrics. Journal of Chemometrics, 2017, 31, e2880. | 1.3 | 25 |
| 17 | Application of Passive Sampling to Characterise the Fish Exometabolome. Metabolites, 2017, 7, 8. | 2.9 | 4 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Dissimilarity based Partial Least Squares (DPLS) for genomic prediction from SNPs. BMC Genomics, 2016, 17, 324. | 2.8 | 4 |
| 20 | 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 |
| 21 | Chemometrics and qualitative analysis have a vibrant relationship. TrAC - Trends in Analytical Chemistry, 2015, 69, 34-51. | 11.4 | 91 |
| 22 | Towards the Disease Biomarker in an Individual Patient Using Statistical Health Monitoring. PLoS ONE, 2014, 9, e92452. | 2.5 | 25 |
| 23 | Breaking with trends in pre-processing?. TrAC - Trends in Analytical Chemistry, 2013, 50, 96-106. | 11.4 | 367 |
| 24 | 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 |