Francesc Puig-CastellvÃ-

List of Publications by Year
in descending order

19 papers	285 citations	840776 11 h-index	940533 16 g-index
21 all docs	21 docs citations	21 times ranked	404 citing authors

#	Article	IF	Citations
1	Metataxonomics, metagenomics and metabolomics analysis of the influence of temperature modification in full-scale anaerobic digesters. Bioresource Technology, 2022, 346, 126612.	9.6	10
2	A longitudinal study of the effect of temperature modification in full-scale anaerobic digesters â€“ dataset combining 16S rDNA gene sequencing, metagenomics, and metabolomics data. Data in Brief, 2022, 41, 107960.	1.0	0
3	Detection of chocolate powder adulteration with peanut using near-infrared hyperspectral imaging and Multivariate Curve Resolution. Food Control, 2021, 119, 107454.	5.5	36
4	Rearrangement of incomplete multi-omics datasets combined with ComDim for evaluating replicate cross-platform variability and batch influence. Chemometrics and Intelligent Laboratory Systems, 2021, 218, 104422.	3.5	3
5	Integrative Analyses to Investigate the Link between Microbial Activity and Metabolite Degradation during Anaerobic Digestion. Journal of Proteome Research, 2020, 19, 3981-3992.	3.7	14
6	Assessment of the microbial interplay during anaerobic co-digestion of wastewater sludge using common components analysis. PLoS ONE, 2020, 15, e0232324.	2.5	18
7	Effect of ammonia exposure and acclimation on the performance and the microbiome of anaerobic digestion. Bioresource Technology Reports, 2020, 11, 100488.	2.7	10
8	MCR-ALS analysis of 1H NMR spectra by segments to study the zebrafish exposure to acrylamide. Analytical and Bioanalytical Chemistry, 2020, 412, 5695-5706.	3.7	10
9	Targeting redox metabolism: the perfect storm induced by acrylamide poisoning in the brain. Scientific Reports, 2020, 10, 312.	3.3	14
10	Assessment of substrate biodegradability improvement in anaerobic Co-digestion using a chemometrics-based metabolomic approach. Chemosphere, 2020, 254, 126812.	8.2	11
11	Compression of multidimensional NMR spectra allows a faster and more accurate analysis of complex samples. Chemical Communications, 2018, 54, 3090-3093.	4.1	17
12	Deciphering the Underlying Metabolomic and Lipidomic Patterns Linked to Thermal Acclimation in Saccharomyces cerevisiae. Journal of Proteome Research, 2018, 17, 2034-2044.	3.7	14
13	Applications of Metabolomics Analysis in Environmental Research. Comprehensive Analytical Chemistry, 2018, 82, 533-582.	1.3	15
14	Comparative analysis of1H NMR and1Hâ€“13C HSQC NMR metabolomics to understand the effects of medium composition in yeast growth. Analytical Chemistry, 2018, 90, 12422-12430.	6.5	16
15	Untargeted assignment and automatic integration of 1 H NMR metabolomic datasets using a multivariate curve resolution approach. Analytica Chimica Acta, 2017, 964, 55-66.	5.4	14
16	Unraveling the Multistimuli Responses of a Complex Dynamic System of Pseudopeptidic Macrocycles. Chemistry - A European Journal, 2017, 23, 10789-10799.	3.3	22
17	Unraveling the Multistimuli Responses of a Complex Dynamic System of Pseudopeptidic Macrocycles. Chemistry - A European Journal, 2017, 23, 10702-10702.	3.3	4
18	1H NMR metabolomic study of auxotrophic starvation in yeast using Multivariate Curve Resolution-Alternating Least Squares for Pathway Analysis. Scientific Reports, 2016, 6, 30982.	3.3	31

#	Article	IF	Citations
19	A quantitative 1H NMR approach for evaluating the metabolic response of Saccharomyces cerevisiae to mild heat stress. Metabolomics, 2015, 11, 1612-1625.	3.0	25