

Elon Correa

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,845
citations

430874

18
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

3971
citing authors

#	ARTICLE	IF	CITATIONS
1	pH plays a role in the mode of action of trimethoprim on Escherichia coli. PLoS ONE, 2018, 13, e0200272.	2.5	16
2	Evaluation of cognitive subdomains, 25-hydroxyvitamin D, and 1,25-dihydroxyvitamin D in the European Male Ageing Study. European Journal of Nutrition, 2017, 56, 2093-2103.	3.9	13
3	Detection of glycosylation and iron-binding protein modifications using Raman spectroscopy. Analyst, The, 2017, 142, 808-814.	3.5	20
4	Glycemia but not the Metabolic Syndrome is Associated with Cognitive Decline: Findings from the European Male Ageing Study. American Journal of Geriatric Psychiatry, 2017, 25, 662-671.	1.2	16
5	Changes in prevalence of obesity and high waist circumference over four years across European regions: the European male ageing study (EMAS). Endocrine, 2017, 55, 456-469.	2.3	21
6	Fractional Factorial Design of MALDI-TOF-MS Sample Preparations for the Optimized Detection of Phospholipids and Acylglycerols. Analytical Chemistry, 2016, 88, 6301-6308.	6.5	11
7	Data standards can boost metabolomics research, and if there is a will, there is a way. Metabolomics, 2016, 12, 14.	3.0	97
8	Metabolic Profiling of Geobacter sulfurreducens during Industrial Bioprocess Scale-Up. Applied and Environmental Microbiology, 2015, 81, 3288-3298.	3.1	26
9	COordination of Standards in MetabOLOmicS (COSMOS): facilitating integrated metabolomics data access. Metabolomics, 2015, 11, 1587-1597.	3.0	140
10	A tutorial review: Metabolomics and partial least squares-discriminant analysis – a marriage of convenience or a shotgun wedding. Analytica Chimica Acta, 2015, 879, 10-23.	5.4	618
11	Profiling of spatial metabolite distributions in wheat leaves under normal and nitrate limiting conditions. Phytochemistry, 2015, 115, 99-111.	2.9	24
12	Oxidized phosphatidylcholines suggest oxidative stress in patients with medium-chain acyl-CoA dehydrogenase deficiency. Talanta, 2015, 139, 62-66.	5.5	33
13	A workflow for bacterial metabolic fingerprinting and lipid profiling: application to Ciprofloxacin challenged Escherichia coli. Metabolomics, 2015, 11, 438-453.	3.0	10
14	Phenotypic Characterisation of Shewanella oneidensis MR-1 Exposed to X-Radiation. PLoS ONE, 2015, 10, e0131249.	2.5	7
15	A comparative investigation of modern feature selection and classification approaches for the analysis of mass spectrometry data. Analytica Chimica Acta, 2014, 829, 1-8.	5.4	93
16	A comparison of different chemometrics approaches for the robust classification of electronic nose data. Analytical and Bioanalytical Chemistry, 2014, 406, 7581-7590.	3.7	63
17	Simultaneous detection and quantification of three bacterial meningitis pathogens by SERS. Chemical Science, 2014, 5, 1030-1040.	7.4	134
18	Influence of Missing Values Substitutes on Multivariate Analysis of Metabolomics Data. Metabolites, 2014, 4, 433-452.	2.9	158

#	ARTICLE	IF	CITATIONS
19	Integrating multiple analytical platforms and chemometrics for comprehensive metabolic profiling: application to meat spoilage detection. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5063-5074.	3.7	25
20	Metabolomic analyses show that electron donor and acceptor ratios control anaerobic electron transfer pathways in <i>Shewanella oneidensis</i> . <i>Metabolomics</i> , 2013, 9, 642-656.	3.0	15
21	Highly sensitive detection of nitroaromatic explosives at discrete nanowire arrays. <i>Faraday Discussions</i> , 2013, 164, 283.	3.2	18
22	High-throughput phenotyping of uropathogenic <i>E. coli</i> isolates with Fourier transform infrared spectroscopy. <i>Analyst, The</i> , 2013, 138, 1363.	3.5	24
23	Optimization of Parameters for the Quantitative Surface-Enhanced Raman Scattering Detection of Mephedrone Using a Fractional Factorial Design and a Portable Raman Spectrometer. <i>Analytical Chemistry</i> , 2013, 85, 923-931.	6.5	65
24	Investigating alginate production and carbon utilization in <i>Pseudomonas fluorescens</i> SBW25 using mass spectrometry-based metabolic profiling. <i>Metabolomics</i> , 2013, 9, 403-417.	3.0	14
25	Enhancing Surface Enhanced Raman Scattering (SERS) Detection of Propranolol with Multiobjective Evolutionary Optimization. <i>Analytical Chemistry</i> , 2012, 84, 7899-7905.	6.5	35
26	Rapid reagentless quantification of alginate biosynthesis in <i>Pseudomonas fluorescens</i> bacteria mutants using FT-IR spectroscopy coupled to multivariate partial least squares regression. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2591-2599.	3.7	20
27	A genetic algorithm-Bayesian network approach for the analysis of metabolomics and spectroscopic data: application to the rapid identification of <i>Bacillus</i> spores and classification of <i>Bacillus</i> species. <i>BMC Bioinformatics</i> , 2011, 12, 33.	2.6	33
28	A Robot Scientist Approach Towards Optimization Of SERS. , 2010, , .		0
29	Particle swarm and bayesian networks applied to attribute selection for protein functional classification. , 2007, , .		11
30	A Genetic Algorithm for Solving a Capacitated p-Median Problem. <i>Numerical Algorithms</i> , 2004, 35, 373-388.	1.9	81