

Carlo G Bertinetto

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

244
citations

1040056

9
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

342
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive multivariate evaluation of the effects on cell phenotypes in multicolor flow cytometry data using ANOVA simultaneous component analysis. <i>Journal of Chemometrics</i> , 2023, 37, .	1.3	0
2	Perspectives of fluorescence spectroscopy for online monitoring in microalgae industry. <i>Microbial Biotechnology</i> , 2022, 15, 1824-1838.	4.2	6
3	Non-Invasive Monitoring of Inflammation in Inflammatory Bowel Disease Patients during Prolonged Exercise via Exhaled Breath Volatile Organic Compounds. <i>Metabolites</i> , 2022, 12, 224.	2.9	8
4	Retrospective quality by design (QbD) for lactose production using historical process data and design of experiments. <i>Computers in Industry</i> , 2022, 141, 103696.	9.9	6
5	Analysis of human neutrophil phenotypes as biomarker to monitor exercise-induced immune changes. <i>Journal of Leukocyte Biology</i> , 2021, 109, 833-842.	3.3	9
6	Refractory neutrophils and monocytes in patients with inflammatory bowel disease after repeated bouts of prolonged exercise. <i>Cytometry Part B - Clinical Cytometry</i> , 2021, 100, 676-682.	1.5	6
7	Exhaled Breath Reflects Prolonged Exercise and Statin Use during a Field Campaign. <i>Metabolites</i> , 2021, 11, 192.	2.9	8
8	ANOVA simultaneous component analysis: A tutorial review. <i>Analytica Chimica Acta: X</i> , 2020, 6, 100061.	1.0	35
9	Fluorescence spectroscopy and chemometrics for simultaneous monitoring of cell concentration, chlorophyll and fatty acids in <i>Nannochloropsis oceanica</i> . <i>Scientific Reports</i> , 2020, 10, 7688.	3.3	10
10	Catalytic efficiency and stability of tertiary amines in oxidation of methyl 4-deoxy- β -L-threo-hex-4-enopyranosiduronic acid by hypochlorous acid. <i>Molecular Catalysis</i> , 2019, 474, 110413.	2.0	1
11	Systematic comparison and potential combination between multivariate curve resolution "alternating least squares" (MCR-ALS) and band-target entropy minimization (BTEM). <i>Journal of Chemometrics</i> , 2018, 32, e3000.	1.3	4
12	Cellulose Elementary Fibrils Assemble into Helical Bundles in S ₁ Layer of Spruce Tracheid Wall. <i>Biomacromolecules</i> , 2017, 18, 374-378.	5.4	16
13	Crystallite orientation maps in starch granules from polarized Raman spectroscopy (PRS) data. <i>Carbohydrate Polymers</i> , 2016, 154, 70-76.	10.2	10
14	Structural and chemical analysis of native and malted barley kernels by polarized Raman spectroscopy (PRS). <i>Journal of Cereal Science</i> , 2015, 62, 73-80.	3.7	12
15	Rate-limiting steps in bromide-free TEMPO-mediated oxidation of cellulose "Quantification of the N-Oxoammonium cation by iodometric titration and UV-vis spectroscopy. <i>Applied Catalysis A: General</i> , 2015, 505, 532-538.	4.3	21
16	Influence of pre-processing and distance on spectral classification: A simulation study. <i>Vibrational Spectroscopy</i> , 2014, 74, 110-119.	2.2	4
17	Automatic Baseline Recognition for the Correction of Large Sets of Spectra Using Continuous Wavelet Transform and Iterative Fitting. <i>Applied Spectroscopy</i> , 2014, 68, 155-164.	2.2	35
18	Evaluation of hierarchical structured representations for QSPR studies of small molecules and polymers by recursive neural networks. <i>Journal of Molecular Graphics and Modelling</i> , 2009, 27, 797-802.	2.4	12

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19	Prediction of the glass transition temperature of (meth)acrylic polymers containing phenyl groups by recursive neural network. <i>Polymer</i> , 2007, 48, 7121-7129.	3.8	41