Carlo G Bertinetto

List of Publications by Year
in descending order

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	Prediction of the glass transition temperature of (meth)acrylic polymers containing phenyl groups by recursive neural network. Polymer, 2007, 48, 7121-7129.	3.8	41
2	Automatic Baseline Recognition for the Correction of Large Sets of Spectra Using Continuous Wavelet Transform and Iterative Fitting. Applied Spectroscopy, 2014, 68, 155-164.	2.2	35
3	ANOVA simultaneous component analysis: A tutorial review. Analytica Chimica Acta: X, 2020, 6, 100061.	1.0	35
4	Rate-limiting steps in bromide-free TEMPO-mediated oxidation of cellulose—Quantification of the N-Oxoammonium cation by iodometric titration and UV–vis spectroscopy. Applied Catalysis A: General, 2015, 505, 532-538.	4.3	21
5	Cellulose Elementary Fibrils Assemble into Helical Bundles in S_1 Layer of Spruce Tracheid Wall. Biomacromolecules, 2017, 18, 374-378.	5.4	16
6	Evaluation of hierarchical structured representations for QSPR studies of small molecules and polymers by recursive neural networks. Journal of Molecular Graphics and Modelling, 2009, 27, 797-802.	2.4	12
7	Structural and chemical analysis of native and malted barley kernels by polarized Raman spectroscopy (PRS). Journal of Cereal Science, 2015, 62, 73-80.	3.7	12
8	Crystallite orientation maps in starch granules from polarized Raman spectroscopy (PRS) data. Carbohydrate Polymers, 2016, 154, 70-76.	10.2	10
9	Fluorescence spectroscopy and chemometrics for simultaneous monitoring of cell concentration, chlorophyll and fatty acids in Nannochloropsis oceanica. Scientific Reports, 2020, 10, 7688.	3.3	10
10	Analysis of human neutrophil phenotypes as biomarker to monitor exercise-induced immune changes. Journal of Leukocyte Biology, 2021, 109, 833-842.	3.3	9
11	Exhaled Breath Reflects Prolonged Exercise and Statin Use during a Field Campaign. Metabolites, 2021, 11, 192.	2.9	8
12	Non-Invasive Monitoring of Inflammation in Inflammatory Bowel Disease Patients during Prolonged Exercise via Exhaled Breath Volatile Organic Compounds. Metabolites, 2022, 12, 224.	2.9	8
13	Refractory neutrophils and monocytes in patients with inflammatory bowel disease after repeated bouts of prolonged exercise. Cytometry Part B - Clinical Cytometry, 2021, 100, 676-682.	1.5	6
14	Perspectives of fluorescence spectroscopy for online monitoring in microalgae industry. Microbial Biotechnology, 2022, 15, 1824-1838.	4.2	6
15	Retrospective quality by design r(QbD) for lactose production using historical process data and design of experiments. Computers in Industry, 2022, 141, 103696.	9.9	6
16	Influence of pre-processing and distance on spectral classification: A simulation study. Vibrational Spectroscopy, 2014, 74, 110-119.	2.2	4
17	Systematic comparison and potential combination between multivariate curve resolution–alternating least squares (MCR–ALS) and band–target entropy minimization (BTEM). Journal of Chemometrics, 2018, 32, e3000.	1.3	4
18	Catalytic efficiency and stability of tertiary amines in oxidation of methyl 4-deoxy-β-L-threo-hex-4-enopyranosiduronic acid by hypochlorous acid. Molecular Catalysis, 2019, 474, 110413.	2.0	1

#	ARTICLE	IF	CITATIONS
19	Comprehensive multivariate evaluation of the effects on cell phenotypes in multicolor flow cytometry data using ANOVA simultaneous component analysis. Journal of Chemometrics, 2023, 37, .	1.3	0