

João A. Lopes

List of Publications by Year in descending order

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163
papers

4,504
citations

87723

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138251

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all docs

167
docs citations

167
times ranked

5416
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on the Applications of Portable Near-Infrared Spectrometers in the Agro-Food Industry. <i>Applied Spectroscopy</i> , 2013, 67, 1215-1233.	1.2	235
2	Bioreactor monitoring with spectroscopy and chemometrics: a review. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 1211-1237.	1.9	204
3	Characterisation of metal carboxylates by Raman and infrared spectroscopy in works of art. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1197-1206.	1.2	160
4	Chemometrics in bioprocess engineering: process analytical technology (PAT) applications. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2004, 74, 269-275.	1.8	119
5	Chemometrics in analytical chemistry – part II: modeling, validation, and applications. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6691-6704.	1.9	102
6	Pharmaceutical cocrystallization techniques. Advances and challenges. <i>International Journal of Pharmaceutics</i> , 2018, 547, 404-420.	2.6	100
7	Chemometrics in analytical chemistry – part I: history, experimental design and data analysis tools. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5891-5899.	1.9	95
8	Particle sizing measurements in pharmaceutical applications: Comparison of in-process methods versus off-line methods. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 1006-1018.	2.0	94
9	Multiblock PLS as an approach to compare and combine NIR and MIR spectra in calibrations of soybean flour. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2005, 75, 91-99.	1.8	90
10	Fourier transform infrared (FT-IR) spectroscopy in bacteriology: towards a reference method for bacteria discrimination. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1739-1748.	1.9	82
11	A review on the application of vibrational spectroscopy in the wine industry: From soil to bottle. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 88, 100-118.	5.8	82
12	An Overview of the Evolution of Infrared Spectroscopy Applied to Bacterial Typing. <i>Biotechnology Journal</i> , 2018, 13, 1700449.	1.8	81
13	Quality control of pharmaceuticals with NIR: From lab to process line. <i>Vibrational Spectroscopy</i> , 2009, 49, 204-210.	1.2	76
14	A UV spectrophotometric method for the determination of folic acid in pharmaceutical tablets and dissolution tests. <i>Analytical Methods</i> , 2014, 6, 3065.	1.3	75
15	Evaluation of green coffee beans quality using near infrared spectroscopy: A quantitative approach. <i>Food Chemistry</i> , 2012, 135, 1828-1835.	4.2	66
16	Direct Application of the INNO-LiPA Rif.TB Line-Probe Assay for Rapid Identification of Mycobacterium tuberculosis Complex Strains and Detection of Rifampin Resistance in 360 Smear-Positive Respiratory Specimens from an Area of High Incidence of Multidrug-Resistant Tuberculosis. <i>Journal of Clinical Microbiology</i> , 2005, 43, 4880-4884.	1.8	63
17	FT-NIR spectroscopy as a tool for valorization of spent coffee grounds: Application to assessment of antioxidant properties. <i>Food Research International</i> , 2013, 51, 579-586.	2.9	59
18	Determination of flow properties of pharmaceutical powders by near infrared spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 52, 484-492.	1.4	58

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19	Application of Fourier Transform Infrared Spectroscopy and Chemometrics for Differentiation of <i>Salmonella enterica</i> Serovar Enteritidis Phage Types. <i>Applied and Environmental Microbiology</i> , 2010, 76, 3538-3544.	1.4	57
20	Comparison of PLS algorithms in gasoline and gas oil parameter monitoring with MIR and NIR. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2005, 78, 74-80.	1.8	56
21	Quantitative monitoring of an activated sludge reactor using on-line UV-visible and near-infrared spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1159-1166.	1.9	56
22	Multiblock PLS analysis of an industrial pharmaceutical process. <i>Biotechnology and Bioengineering</i> , 2002, 80, 419-427.	1.7	55
23	Analysis of natural red dyes (cochineal) in textiles of historical importance using HPLC and multivariate data analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 735-743.	1.9	55
24	MALDI-TOF MS and chemometric based identification of the <i>Acinetobacter calcoaceticus</i> - <i>Acinetobacter baumannii</i> complex species. <i>International Journal of Medical Microbiology</i> , 2014, 304, 669-677.	1.5	53
25	In-line monitoring of the coffee roasting process with near infrared spectroscopy: Measurement of sucrose and colour. <i>Food Chemistry</i> , 2016, 208, 103-110.	4.2	53
26	Rapid assessment of bioactive phenolics and methylxanthines in spent coffee grounds by FT-NIR spectroscopy. <i>Talanta</i> , 2016, 147, 460-467.	2.9	51
27	Raman spectroscopy for wine analyses: A comparison with near and mid infrared spectroscopy. <i>Talanta</i> , 2018, 186, 306-314.	2.9	50
28	Strategic funding priorities in the pharmaceutical sciences allied to Quality by Design (QbD) and Process Analytical Technology (PAT). <i>European Journal of Pharmaceutical Sciences</i> , 2012, 47, 402-405.	1.9	49
29	MALDI-TOF mass spectrometry as a tool for the discrimination of high-risk <i>Escherichia coli</i> clones from phylogenetic groups B2 (ST131) and D (ST69, ST405, ST393). <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2014, 33, 1391-1399.	1.3	48
30	Merging vibrational spectroscopic data for wine classification according to the geographic origin. <i>Food Research International</i> , 2017, 102, 504-510.	2.9	48
31	Teacher and school determinants of teacher job satisfaction: a multilevel analysis. <i>School Effectiveness and School Improvement</i> , 2020, 31, 641-659.	1.4	48
32	Flavylum chromophores as species markers for dragon's blood resins from <i>Dracaena</i> and <i>Daemonorops</i> trees. <i>Journal of Chromatography A</i> , 2008, 1209, 153-161.	1.8	45
33	Stains versus colourants produced by fungi colonising paper cultural heritage: A review. <i>Journal of Cultural Heritage</i> , 2019, 35, 161-182.	1.5	45
34	Requirements Specification of a Computerized Maintenance Management System – A Case Study. <i>Procedia CIRP</i> , 2016, 52, 268-273.	1.0	44
35	Differentiation of <i>Bacillus pumilus</i> and <i>Bacillus safensis</i> Using MALDI-TOF-MS. <i>PLoS ONE</i> , 2014, 9, e110127.	1.1	44
36	Online monitoring of P(3HB) produced from used cooking oil with near-infrared spectroscopy. <i>Journal of Biotechnology</i> , 2015, 194, 1-9.	1.9	43

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37	Real-time monitoring of a coffee roasting process with near infrared spectroscopy using multivariate statistical analysis: A feasibility study. <i>Talanta</i> , 2018, 179, 292-299.	2.9	42
38	Exploiting near infrared spectroscopy as an analytical tool for on-line monitoring of acidity during coffee roasting. <i>Food Control</i> , 2016, 60, 408-415.	2.8	40
39	Diverse high-risk B2 and D <i>Escherichia coli</i> clones depicted by Fourier Transform Infrared Spectroscopy. <i>Scientific Reports</i> , 2013, 3, 3278.	1.6	39
40	Development of a FTIR-ATR based model for typing clinically relevant <i>Acinetobacter baumannii</i> clones belonging to ST98, ST103, ST208 and ST218. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 133, 108-114.	1.7	39
41	A PAT approach for the on-line monitoring of pharmaceutical co-crystals formation with near infrared spectroscopy. <i>International Journal of Pharmaceutics</i> , 2014, 471, 478-484.	2.6	39
42	New copper(I) and heteronuclear copper(I)-ruthenium(II) complexes: Synthesis, structural characterization and cytotoxicity. <i>Journal of Inorganic Biochemistry</i> , 2017, 169, 68-78.	1.5	39
43	Uncertainty assessment in FT-IR spectroscopy based bacteria classification models. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2008, 94, 33-42.	1.8	38
44	The use of net analyte signal (NAS) in near infrared spectroscopy pharmaceutical applications: Interpretability and figures of merit. <i>Analytica Chimica Acta</i> , 2009, 642, 179-185.	2.6	37
45	Unsuitability of MALDI-TOF MS to discriminate <i>Acinetobacter baumannii</i> clones under routine experimental conditions. <i>Frontiers in Microbiology</i> , 2015, 6, 481.	1.5	35
46	Intranasal drug delivery for treatment of Alzheimer's disease. <i>Drug Delivery and Translational Research</i> , 2021, 11, 411-425.	3.0	34
47	A Front Line on <i>Klebsiella pneumoniae</i> Capsular Polysaccharide Knowledge: Fourier Transform Infrared Spectroscopy as an Accurate and Fast Typing Tool. <i>MSystems</i> , 2020, 5, .	1.7	32
48	Combining infrared spectroscopy with chemometric analysis for the characterization of proteinaceous binders in medieval paints. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 119, 32-38.	1.8	31
49	Study of the application of multiway multivariate techniques to model data from an industrial fermentation process. <i>Analytica Chimica Acta</i> , 2007, 595, 120-127.	2.6	30
50	Multivariate statistical process control of a continuous pharmaceutical twin-screw granulation and fluid bed drying process. <i>International Journal of Pharmaceutics</i> , 2017, 528, 242-252.	2.6	28
51	Discrimination of non-typhoid <i>Salmonella</i> serogroups and serotypes by Fourier Transform Infrared Spectroscopy: A comprehensive analysis. <i>International Journal of Food Microbiology</i> , 2018, 285, 34-41.	2.1	28
52	Transcatheter Versus Surgical Pulmonary Valve Replacement: A Systemic Review and Meta-Analysis. <i>Annals of Thoracic Surgery</i> , 2020, 110, 1751-1761.	0.7	28
53	Industrial fermentation end-product modelling with multilinear PLS. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2003, 68, 75-81.	1.8	27
54	A Non-invasive Real-Time Methodology for the Quantification of Antioxidant Properties in Coffee During the Roasting Process Based on Near-Infrared Spectroscopy. <i>Food and Bioprocess Technology</i> , 2017, 10, 630-638.	2.6	27

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55	Identification of carbapenem-resistant <i>Acinetobacter baumannii</i> clones using infrared spectroscopy. <i>Journal of Biophotonics</i> , 2014, 7, 287-294.	1.1	26
56	Exploratory study on vineyards soil mapping by visible/near-infrared spectroscopy of grapevine leaves. <i>Computers and Electronics in Agriculture</i> , 2016, 127, 15-25.	3.7	26
57	Optimization of NIR spectroscopy based PLSR models for critical properties of vegetable oils used in biodiesel production. <i>Fuel</i> , 2015, 150, 697-704.	3.4	23
58	Assessment and prediction of tablet properties using transmission and backscattering Raman spectroscopy and transmission NIR spectroscopy. <i>Asian Journal of Pharmaceutical Sciences</i> , 2016, 11, 547-558.	4.3	23
59	Activated sludge process monitoring through in situ near-infrared spectral analysis. <i>Water Science and Technology</i> , 2008, 57, 1643-1650.	1.2	22
60	Fourier Transform Near-Infrared Spectroscopy Application for Sea Salt Quality Evaluation. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 11109-11116.	2.4	22
61	Statistical process control of cocrystallization processes: A comparison between OPLS and PLS. <i>International Journal of Pharmaceutics</i> , 2017, 520, 29-38.	2.6	22
62	Predictive and Prescriptive Analytics in Healthcare: A Survey. <i>Procedia Computer Science</i> , 2020, 170, 1029-1034.	1.2	22
63	Serotype discrimination of encapsulated <i>Streptococcus pneumoniae</i> strains by Fourier-transform infrared spectroscopy and chemometrics. <i>Journal of Microbiological Methods</i> , 2013, 93, 102-107.	0.7	21
64	Batch Statistical Process Monitoring Approach to a Cocrystallization Process. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 4099-4108.	1.6	21
65	Application of Fourier-transform infrared spectroscopy for the determination of chloride and sulfate in wines. <i>LWT - Food Science and Technology</i> , 2016, 67, 181-186.	2.5	21
66	Varietal discrimination of hop pellets by near and mid infrared spectroscopy. <i>Talanta</i> , 2018, 180, 69-75.	2.9	21
67	Comparative quantification of chlorophyll and polyphenol levels in grapevine leaves sampled from different geographical locations. <i>Scientific Reports</i> , 2020, 10, 6246.	1.6	21
68	<i>Bacillus invictae</i> sp. nov., isolated from a health product. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3867-3876.	0.8	20
69	Screening and quantification of proteinaceous binders in medieval paints based on 1/4-Fourier transform infrared spectroscopy and multivariate curve resolution alternating least squares. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 134, 148-157.	1.8	20
70	A new approach to talent management in law firms. <i>International Journal of Productivity and Performance Management</i> , 2015, 64, 523-543.	2.2	20
71	Microspectrofluorimetry and chemometrics for the identification of medieval lake pigments. <i>Heritage Science</i> , 2018, 6, .	1.0	20
72	Use of Fourier transform infrared spectroscopy and chemometrics to discriminate clinical isolates of bacteria of the <i>Burkholderia cepacia</i> complex from different species and ribopatterns. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 2161-2171.	1.9	19

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73	<i>In situ</i> near Infrared Monitoring of Activated Dairy Sludge Wastewater Treatment Processes. <i>Journal of Near Infrared Spectroscopy</i> , 2008, 16, 409-419.	0.8	18
74	Application of near infrared spectroscopy and multivariate data analysis for the evaluation of glue lines of untreated and copper azole treated laminated timber before and after ageing. <i>Polymer Degradation and Stability</i> , 2009, 94, 1061-1071.	2.7	18
75	Comparison of different chemometric and analytical methods for the prediction of particle size distribution in pharmaceutical powders. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2137-2147.	1.9	18
76	Discrimination of <i>Salmonella enterica</i> serotypes by Fourier transform infrared spectroscopy. <i>Food Research International</i> , 2012, 45, 1058-1064.	2.9	18
77	Discrimination of the <i>Acinetobacter calcoaceticus</i> – <i>Acinetobacter baumannii</i> complex species by Fourier transform infrared spectroscopy. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2014, 33, 1345-1353.	1.3	18
78	Near-infrared spectroscopy for the detection and quantification of bacterial contaminations in pharmaceutical products. <i>International Journal of Pharmaceutics</i> , 2015, 492, 199-206.	2.6	18
79	Real-time monitoring of cocrystallization processes by solvent evaporation: A near infrared study. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 90, 76-84.	1.9	18
80	Elucidating constraints for differentiation of major human <i>Klebsiella pneumoniae</i> clones using MALDI-TOF MS. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2017, 36, 379-386.	1.3	18
81	Multivariate monitoring of fermentation processes with non-linear modelling methods. <i>Analytica Chimica Acta</i> , 2004, 515, 101-108.	2.6	17
82	Simultaneous Chemiluminometric Determination of Levodopa and Benserazide in a Multi-pumping Flow System with Multivariate Calibration. <i>Analytical Sciences</i> , 2008, 24, 985-991.	0.8	17
83	Process monitoring and evaluation of a continuous pharmaceutical twin-screw granulation and drying process using multivariate data analysis. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 128, 36-47.	2.0	17
84	Teachers'™ academic training for literacy instruction. <i>European Journal of Teacher Education</i> , 2019, 42, 315-334.	2.2	17
85	A batch modelling approach to monitor a freeze-drying process using in-line Raman spectroscopy. <i>Talanta</i> , 2010, 83, 130-138.	2.9	16
86	An evaluation of the Behavior and Instructional Management Scale's psychometric properties using Portuguese teachers. <i>Teaching and Teacher Education</i> , 2016, 55, 279-290.	1.6	16
87	Synthesis of a Glibenclamide Cocrystal: Full Spectroscopic and Thermal Characterization. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 1597-1604.	1.6	16
88	Research studies on dyslexia: participant inclusion and exclusion criteria. <i>European Journal of Special Needs Education</i> , 2020, 35, 587-602.	1.5	16
89	Biologising reading problems: the specific case of dyslexia. <i>Contemporary Social Science</i> , 2012, 7, 215-229.	1.0	15
90	Value Adding to Red Grape Pomace Exploiting Eco-friendly FT-NIR Spectroscopy Technique. <i>Food and Bioprocess Technology</i> , 2015, 8, 865-874.	2.6	15

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91	Strategic framework for education and training in Quality by Design (QbD) and process analytical technology (PAT). <i>European Journal of Pharmaceutical Sciences</i> , 2016, 90, 2-7.	1.9	15
92	Vibrational Spectroscopy for Cocrystals Screening. A Comparative Study. <i>Molecules</i> , 2018, 23, 3263.	1.7	15
93	Rapid detection of high-risk <i>Enterococcus faecium</i> clones by matrix-assisted laser desorption ionization time-of-flight mass spectrometry. <i>Diagnostic Microbiology and Infectious Disease</i> , 2017, 87, 299-307.	0.8	14
94	In-Depth Evaluation of Data Collected During a Continuous Pharmaceutical Manufacturing Process: A Multivariate Statistical Process Monitoring Approach. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 439-450.	1.6	14
95	In-depth phenolic characterization of iron gall inks by deconstructing representative Iberian recipes. <i>Scientific Reports</i> , 2021, 11, 8811.	1.6	14
96	Portuguese Football Federation consensus statement 2020: nutrition and performance in football. <i>BMJ Open Sport and Exercise Medicine</i> , 2021, 7, e001082.	1.4	14
97	The application of near infrared spectroscopy to wine analysis: An innovative approach using lyophilization to remove water bands interference. <i>Talanta</i> , 2020, 214, 120852.	2.9	13
98	Interventions for Students with Behavioral Disorders: An International Literature Review. <i>Behavioral Disorders</i> , 2007, 32, 267-281.	0.8	12
99	Detection and quantification of <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> in cow milk by near-infrared spectroscopy. <i>International Journal of Dairy Technology</i> , 2015, 68, 357-365.	1.3	12
100	Near infrared spectroscopy as a tool for intensive mapping of vineyards soil. <i>Precision Agriculture</i> , 2018, 19, 445-462.	3.1	12
101	A near-infrared spectroscopy method to determine aminoglycosides in pharmaceutical formulations. <i>Vibrational Spectroscopy</i> , 2011, 56, 184-192.	1.2	11
102	Identification of <i>Dactylopius cochineal</i> species with high-performance liquid chromatography and multivariate data analysis. <i>Analyst</i> , 2013, 138, 6081.	1.7	11
103	Organic colorants based on lac dye and brazilwood as markers for a chronology and geography of medieval scriptoria: a chemometrics approach. <i>Heritage Science</i> , 2021, 9, .	1.0	11
104	Discoloration of Historical Plastic Objects: New Insight into the Degradation of 1 ² -Naphthol Pigment Lakes. <i>Polymers</i> , 2021, 13, 2278.	2.0	11
105	Discrimination of single- and double-antigen <i>Escherichia coli</i> (<i>E. coli</i>) mutants by ATR and transmission mode FTIR spectroscopy. <i>Journal of Biophotonics</i> , 2014, 7, 392-400.	1.1	10
106	<i>Citrus</i> species and hybrids depicted by near- and mid-infrared spectroscopy. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 3953-3961.	1.7	10
107	Can artificial neural networks predict lawyers' performance rankings?. <i>International Journal of Productivity and Performance Management</i> , 2018, 67, 1940-1958.	2.2	10
108	Adaptive Business Intelligence: A New Architectural Approach. <i>Procedia Computer Science</i> , 2020, 177, 540-545.	1.2	10

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109	First-Principles Model to Evaluate Quantitatively the Long-Life Behavior of Cellulose Acetate Polymers. <i>ACS Omega</i> , 2021, 6, 8028-8037.	1.6	10
110	Sea Salt. <i>Comprehensive Analytical Chemistry</i> , 2013, 60, 719-740.	0.7	9
111	Classification of Vineyard Soils Using Portable and Benchtop Near-Infrared Spectrometers: A Comparative Study. <i>Soil Science Society of America Journal</i> , 2016, 80, 652-661.	1.2	9
112	Glucose intolerance in the third trimester is not predictive of adverse outcomes. <i>International Journal of Gynecology and Obstetrics</i> , 2019, 147, 108-114.	1.0	9
113	Successful endoscopic resolution of a large gastric bezoar in a child. <i>World Journal of Gastrointestinal Endoscopy</i> , 2011, 3, 129.	0.4	9
114	Exploiting the oxidative coupling reaction of MBTH for indapamide determination. <i>Talanta</i> , 2009, 79, 1161-1168.	2.9	8
115	A new salt of clofazimine to improve leprosy treatment. <i>Journal of Molecular Structure</i> , 2020, 1214, 128226.	1.8	8
116	Decision making based on hybrid modeling approach applied to cellulose acetate based historical films conservation. <i>Scientific Reports</i> , 2021, 11, 16074.	1.6	8
117	Modelling and identification of individual stage contributions in an industrial pharmaceutical process by multiblock PLS. <i>Computer Aided Chemical Engineering</i> , 2004, , 601-606.	0.3	7
118	Near infrared spectroscopy to monitor drug release in-situ during dissolution tests. <i>International Journal of Pharmaceutics</i> , 2016, 513, 1-7.	2.6	7
119	Discrimination of clinically relevant <i>Candida</i> species by Fourier-transform infrared spectroscopy with attenuated total reflectance (FTIR-ATR). <i>RSC Advances</i> , 2016, 6, 92065-92072.	1.7	7
120	Optimization of protein loaded PLGA nanoparticle manufacturing parameters following a quality-by-design approach. <i>RSC Advances</i> , 2016, 6, 104502-104512.	1.7	7
121	Organic red colorants in Islamic manuscripts (12th-15th c.) produced in al-Andalus, part 1. <i>Dyes and Pigments</i> , 2019, 166, 451-459.	2.0	7
122	Considerations on high-throughput cocrystals screening by ultrasound assisted cocrystallization and vibrational spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117876.	2.0	7
123	Structural, thermal, vibrational, solubility and DFT studies of a tolbutamide co-amorphous drug delivery system for treatment of diabetes. <i>International Journal of Pharmaceutics</i> , 2022, 615, 121500.	2.6	7
124	Prevalence and comorbidity of emotional, behavioral and learning problems: a study of 7th-grade students. <i>Education and Treatment of Children</i> , 2007, 30, 165-181.	0.6	6
125	Exploiting adsorption and desorption at solid-liquid interface for the fluorometric monitoring of glibenclamide in adulterated drinks. <i>Analytica Chimica Acta</i> , 2012, 721, 97-103.	2.6	6
126	How Portuguese and American teachers plan for literacy instruction. <i>Annals of Dyslexia</i> , 2016, 66, 71-90.	1.2	6

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127	Error patterns in Portuguese students' addition and subtraction calculation tasks. <i>Journal for Multicultural Education</i> , 2018, 12, 67-82.	0.4	6
128	Relationship Between Gymnastic Rhythmic Practice and Body Composition, Physical Performance, and Trace Element Status in Young Girls. <i>Biological Trace Element Research</i> , 2022, 200, 84-95.	1.9	6
129	Cleansing contaminated seawaters using marine cyanobacteria: evaluation of trace metal removal from the medium. <i>International Journal of Environmental Analytical Chemistry</i> , 2008, 88, 701-710.	1.8	5
130	Development of an HPLC Assay Methodology for a Desonide Cream with Chemometrics Assisted Optimization. <i>Analytical Letters</i> , 2012, 45, 1390-1400.	1.0	5
131	Application of Mid- and Near-Infrared Spectroscopy for the Control and Chemical Evaluation of Brine Solutions and Traditional Sea Salts. <i>Food Analytical Methods</i> , 2013, 6, 470-480.	1.3	5
132	Regulatory Development of Nanotechnology-Based Vaccines. , 2017, , 393-410.		5
133	mHealth: Monitoring Platform for Diabetes Patients. <i>Procedia Computer Science</i> , 2021, 184, 911-916.	1.2	5
134	Characterization of <i>Desulfovibrio</i> sp. isolated from some lowland paddy field soils of Burkina Faso. <i>Soil Science and Plant Nutrition</i> , 1998, 44, 459-465.	0.8	4
135	Authenticity Control of Roasted Coffee Brands Using Near-Infrared Spectroscopy. <i>Food Analytical Methods</i> , 2013, 6, 892-899.	1.3	4
136	Questões e modelos de avaliação e intervenção em Psicologia Escolar: o caso da Europa e América do Norte. <i>Estudos De Psicologia (Campinas)</i> , 2015, 32, 75-85.	0.8	4
137	Adaptive Business Intelligence platform and its contribution as a support in the evolution of Hospital 4.0. <i>Procedia Computer Science</i> , 2021, 184, 905-910.	1.2	4
138	Character Education in Portugal. <i>Childhood Education</i> , 2013, 89, 286-289.	0.1	3
139	Non-invasive real-time monitoring of vineyard soils, berries and leaves with FT-NIR spectroscopy. <i>BIO Web of Conferences</i> , 2015, 5, 01003.	0.1	3
140	Use of Near-Infrared Spectroscopy for Coffee Beans Quality Assessment. , 2015, , 933-942.		3
141	A FT-NIR spectroscopy methodology to estimate firing distance based on the direct analysis of the bullet impact surface. <i>Analyst</i> , 2016, 141, 4410-4416.	1.7	3
142	Exploiting intrinsic fluorescence spectroscopy to discriminate between <i>Acinetobacter calcoaceticus</i> and <i>Acinetobacter baumannii</i> complex species. <i>RSC Advances</i> , 2017, 7, 8581-8588.	1.7	3
143	Construção e validação de uma prova de Matemática para alunos do 1º ao 4º ano de escolaridade. <i>Psicologia: Reflexão e Crítica</i> , 2014, 27, 434-442.	0.4	3
144	Geographical discrimination of grapevine leaves using fibre optic fluorescence data and chemometrics. Determination of total polyphenols and chlorophylls along different vegetative stages. <i>Microchemical Journal</i> , 2022, 181, 107647.	2.3	3

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145	A PAT study of an industrial catalytic hydrogenation of an active pharmaceutical ingredient. <i>Computer Aided Chemical Engineering</i> , 2004, , 775-780.	0.3	2
146	Simultaneous Potentiometric Determination of Thiamine and Pyridoxine in Multivitamins Using a Single Cyclodextrin-Based Thiamine-Selective Electrode. <i>Analytical Letters</i> , 2009, 42, 1923-1939.	1.0	2
147	Mathematical Simulation of Signal Profiles in Flow Analysis. <i>Analytical Letters</i> , 2012, 45, 85-98.	1.0	2
148	Impact of previous coronary artery bypass grafting in patients presenting with an acute coronary syndrome: Current trends and clinical implications. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2020, 9, 731-740.	0.4	2
149	Systematic Review and Principal Components Analysis of the Immunogenicity of Adalimumab. <i>BioDrugs</i> , 2021, 35, 35-45.	2.2	2
150	Translational Peptide-associated Nanosystems: Promising Role as Cancer Vaccines. <i>Current Topics in Medicinal Chemistry</i> , 2015, 16, 291-313.	1.0	2
151	Applying optimization models in the scheduling of medical exams. <i>Procedia Computer Science</i> , 2022, 201, 696-701.	1.2	2
152	Intelligent Systems for Penicillin Fermentation Process Modelling. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1998, 31, 307-312.	0.4	1
153	CHEMOMETRIC PROCESS ANALYTICAL TECHNOLOGY (PAT) APPLICATIONS IN BIOPROCESS ENGINEERING. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005, 38, 153-158.	0.4	1
154	MODELLING INDUSTRIAL FERMENTATION DATA WITH MULTIWAY MULTIVARIATE TECHNIQUES. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007, 40, 273-278.	0.4	1
155	Mathematical modeling of dispersion in single interface flow analysis. <i>Analytica Chimica Acta</i> , 2010, 663, 178-183.	2.6	1
156	Data Processing in Multivariate Analysis of Pharmaceutical Processes. , 2018, , 35-51.		1
157	EARLY EFFECTS OF EXTRACELLULAR VESICLES SECRETED BY ADIPOSE TISSUE MESENCHYMAL CELLS IN RENAL ISCHEMIA FOLLOWED BY REPERFUSION: MECHANISMS RELY IN THE RESTORATION OF THE REDOX TISSULAR ENVIRONMENT. <i>Cytotherapy</i> , 2021, 23, 11.	0.3	1
158	Teachers Voices: A Qualitative Study on Burnout in the Portuguese Educational System. <i>Education Sciences</i> , 2021, 11, 392.	1.4	1
159	Predictive Analytics to support diabetic patient detection. <i>Procedia Computer Science</i> , 2022, 201, 690-695.	1.2	1
160	Trilinear Models for Batch MSPC: Application to an Industrial Batch Pharmaceutical Process. <i>Computer Aided Chemical Engineering</i> , 2002, , 709-714.	0.3	0
161	Research problems in Portugal run deep. <i>Nature</i> , 2014, 507, 431-431.	13.7	0
162	Introduction and New Trends. <i>Comprehensive Analytical Chemistry</i> , 2018, 80, 1-13.	0.7	0

#	ARTICLE	IF	CITATIONS
163	Dynamic optimization of bioreactors using probabilistic tendency models and Bayesian active learning. Computer Aided Chemical Engineering, 2011, 29, 783-787.	0.3	0