Jorge O Caceres

List of Publications by Year
in descending order

39	1,100	471509	395702
papers	citations	17	33
		h-index	g-index
39	39	39	1089
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantitative analysis of trace metal ions in ice using laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2001, 56, 831-838.	2.9	127
2	Qualitative and quantitative analysis of milk for the detection of adulteration by Laser Induced Breakdown Spectroscopy (LIBS). Food Chemistry, 2017, 232, 322-328.	8.2	120
3	Classification of red wine based on its protected designation of origin (PDO) using Laser-induced Breakdown Spectroscopy (LIBS). Talanta, 2016, 158, 185-191.	5.5	92
4	Evaluation of supervised chemometric methods for sample classification by Laser Induced Breakdown Spectroscopy. Chemometrics and Intelligent Laboratory Systems, 2015, 146, 354-364.	3.5	77
5	Megapixel multi-elemental imaging by Laser-Induced Breakdown Spectroscopy, a technology with considerable potential for paleoclimate studies. Scientific Reports, 2017, 7, 5080.	3.3	68
6	Identification and discrimination of bacterial strains by laser induced breakdown spectroscopy and neural networks. Talanta, 2011, 84, 730-737.	5.5	66
7	Rapid identification and discrimination of bacterial strains by laser induced breakdown spectroscopy and neural networks. Talanta, 2014, 121, 65-70.	5.5	57
8	Application of Laser-Induced Breakdown Spectroscopy (LIBS) and Neural Networks to Olive Oils Analysis. Applied Spectroscopy, 2013, 67, 1064-1072.	2.2	56
9	Statistical Tools for Air Pollution Assessment: Multivariate and Spatial Analysis Studies in the Madrid Region. Journal of Analytical Methods in Chemistry, 2019, 2019, 1-9.	1.6	49
10	Lycopene. Studies in Natural Products Chemistry, 2013, 40, 383-426.	1.8	39
11	Discrimination of human bodies from bones and teeth remains by Laser Induced Breakdown Spectroscopy and Neural Networks. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 101, 21-25.	2.9	32
12	Heavy metal transport and evolution of atmospheric aerosols in the Antarctic region. Science of the Total Environment, 2020, 721, 137702.	8.0	28
13	Mg/Ca ratios measured by laser induced breakdown spectroscopy (LIBS): a new approach to decipher environmental conditions. Journal of Analytical Atomic Spectrometry, 2015, 30, 1913-1919.	3.0	22
14	Neural Network Analysis of Spectroscopic Data of Lycopene and Î²-Carotene Content in Food Samples Compared to HPLC-UV-Vis. Journal of Agricultural and Food Chemistry, 2010, 58, 72-75.	5.2	21
15	Time- and space-resolved spectroscopic characterization of laser-induced swine muscle tissue plasma. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 111, 92-101.	2.9	21
16	Laser induced breakdown spectroscopy for the discrimination of Candida strains. Talanta, 2016, 155, 101-106.	5.5	21
17	Ecosystem services in Antarctica: Global assessment of the current state, future challenges and managing opportunities. Ecosystem Services, 2021, 49, 101299.	5.4	20
18	Characterization of atmospheric aerosols in the Antarctic region using Raman Spectroscopy and Scanning Electron Microscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 266, 120452.	3.9	19

#	Article	IF	Citations
19	Solving the Spectroscopy Interference Effects of Î²-Carotene and Lycopene by Neural Networks. Journal of Agricultural and Food Chemistry, 2008, 56, 6261-6266.	5.2	17
20	Determination of the postmortem interval by Laser Induced Breakdown Spectroscopy using swine skeletal muscles. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 88, 186-191.	2.9	15
21	Long-term hydrological changes in northern Iberia (4.9â€"0.9 ky BP) from speleothem Mg/Ca ratios and cave monitoring (Ojo GuareÃ±a Karst Complex, Spain). Environmental Earth Sciences, 2015, 74, 7741-7753.	2.7	15
22	Quantification of particulate matter, tracking the origin and relationship between elements for the environmental monitoring of the Antarctic region. Science of the Total Environment, 2019, 665, 125-132.	8.0	14
23	Aerosol analysis by micro laser-induced breakdown spectroscopy: A new protocol for particulate matter characterization in filters. Analytica Chimica Acta, 2021, 1181, 338947.	5.4	14
24	Identification and Discrimination of Brands of Fuels by Gas Chromatography and Neural Networks Algorithm in Forensic Research. Journal of Analytical Methods in Chemistry, 2016, 2016, 1-7.	1.6	12
25	Molecular beam electric resonance without A- and B-fields. European Physical Journal D, 2003, 26, 261-264.	1.3	11
26	Time-resolved study of the plasma produced from animal muscle tissue using a Nd:YAG laser. Journal of Analytical Atomic Spectrometry, 2018, 33, 1884-1891.	3.0	8
27	Spatiotemporal diagnostics of laser induced plasma of potassium gallosilicate zeolite. Journal of Analytical Atomic Spectrometry, 2019, 34, 1247-1255.	3.0	8
28	Interaction of polar molecules with a resonant RF electric field: strong deflection of a NO molecular beam. European Physical Journal D, 2006, 38, 215-218.	1.3	7
29	Plume Dynamics of Laser-Produced Swine Muscle Tissue Plasma. Applied Spectroscopy, 2016, 70, 1228-1238.	2.2	7
30	Molecular beam depletion by homogeneous and oscillating electric fields. Chemical Physics Letters, 2001, 341, 495-500.	2.6	6
31	Interaction of a supersonic NO beam with a static and a resonant RF field: Measurement of rotationally resolved dipole moments. Chemical Physics Letters, 2006, 426, 214-218.	2.6	6
32	Corona discharge induced plasma spectroscopy (CDIPS) for quantitative analysis of gas mixtures. Journal of Analytical Atomic Spectrometry, 2016, 31, 2053-2059.	3.0	5
33	Interaction of Polar Molecules with Resonant Radio Frequency Electric Fields:Â Imaging of the NO Molecular Beam Splitting. Journal of Physical Chemistry A, 2006, 110, 13643-13645.	2.5	4
34	Interaction of a supersonic NO beam with static and resonant RF fields: Simple theoretical model to account for molecular interferences. Chemical Physics, 2006, 328, 156-164.	1.9	4
35	Local and Remote Sources of Airborne Suspended Particulate Matter in the Antarctic Region. Atmosphere, 2020, 11, 373.	2.3	4
36	A real-world approach to identifying animal bones and Lower Pleistocene fossils by laser induced breakdown spectroscopy. Talanta, 2021, 235, 122780.	5.5	4

#	Article	IF	Citations
37	Evidence of human impact in Antarctic region by studying atmospheric aerosols. Chemosphere, 2022, 307, 135706.	8.2	3
38	Interferences in the Transverse Profile of a Toluene Beam Induced by a Resonant RF Electric Field. Journal of Physical Chemistry A, 2009, 113, 14291-14295.	2.5	1
39	Laser Induced Breakdown Spectroscopy in Food Analysis. , 2020, , 1-24.		0