Jorge O Caceres

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	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
2	Evidence of human impact in Antarctic region by studying atmospheric aerosols. Chemosphere, 2022, 307, 135706.	8.2	3
3	Ecosystem services in Antarctica: Global assessment of the current state, future challenges and managing opportunities. Ecosystem Services, 2021, 49, 101299.	5.4	20
4	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
5	A real-world approach to identifying animal bones and Lower Pleistocene fossils by laser induced breakdown spectroscopy. Talanta, 2021, 235, 122780.	5.5	4
6	Heavy metal transport and evolution of atmospheric aerosols in the Antarctic region. Science of the Total Environment, 2020, 721, 137702.	8.0	28
7	Local and Remote Sources of Airborne Suspended Particulate Matter in the Antarctic Region. Atmosphere, 2020, 11, 373.	2.3	4
8	Laser Induced Breakdown Spectroscopy in Food Analysis. , 2020, , 1-24.		0
9	Spatiotemporal diagnostics of laser induced plasma of potassium gallosilicate zeolite. Journal of Analytical Atomic Spectrometry, 2019, 34, 1247-1255.	3.0	8
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	Laser induced breakdown spectroscopy for the discrimination of Candida strains. Talanta, 2016, 155, 101-106.	5.5	21
18	Corona discharge induced plasma spectroscopy (CDIPS) for quantitative analysis of gas mixtures. Journal of Analytical Atomic Spectrometry, 2016, 31, 2053-2059.	3.0	5

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19	Plume Dynamics of Laser-Produced Swine Muscle Tissue Plasma. Applied Spectroscopy, 2016, 70, 1228-1238.	2.2	7
20	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
21	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
22	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
23	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
24	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
25	Rapid identification and discrimination of bacterial strains by laser induced breakdown spectroscopy and neural networks. Talanta, 2014, 121, 65-70.	5.5	57
26	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
27	Lycopene. Studies in Natural Products Chemistry, 2013, 40, 383-426.	1.8	39
28	Application of Laser-Induced Breakdown Spectroscopy (LIBS) and Neural Networks to Olive Oils Analysis. Applied Spectroscopy, 2013, 67, 1064-1072.	2.2	56
29	Identification and discrimination of bacterial strains by laser induced breakdown spectroscopy and neural networks. Talanta, 2011, 84, 730-737.	5.5	66
30	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
31	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
32	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
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 a static and a resonant RF field: Measurement of rotationally resolved dipole moments. Chemical Physics Letters, 2006, 426, 214-218.	2.6	6
35	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
36	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

#	Article	IF	Citations
37	Molecular beam electric resonance without A- and B-fields. European Physical Journal D, 2003, 26, 261-264.	1.3	11
38	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
39	Molecular beam depletion by homogeneous and oscillating electric fields. Chemical Physics Letters, 2001, 341, 495-500.	2.6	6