

Jader S Cabral

List of Publications by Year in descending order

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20
papers

348
citations

1040056

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1058476

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20
all docs

20
docs citations

20
times ranked

334
citing authors

#	ARTICLE	IF	CITATIONS
1	A microstructure study of colloidal gold nanoparticles by X-ray diffraction line profile analysis. Journal of Physics and Chemistry of Solids, 2021, 150, 109884.	4.0	1
2	Simulation of a quantum jump in three-level systems using photonic Gaussian modes. Physical Review A, 2021, 103, .	2.5	3
3	Simulation of quantum jump in three-level atoms using photons. , 2021, , .		0
4	Laser-induced breakdown spectroscopy as a tool for homogeneity measurements in medicine tablets. Laser Physics, 2020, 30, 035701.	1.2	3
5	Evaluation of rice varieties using LIBS and FTIR techniques associated with PCA and machine learning algorithms. Applied Optics, 2020, 59, 10043.	1.8	16
6	Recent advances and future trends in LIBS applications to agricultural materials and their food derivatives: An overview of developments in the last decade (2010â€“2019). Part II. Crop plants and their food derivatives. TrAC - Trends in Analytical Chemistry, 2019, 118, 453-469.	11.4	60
7	Recent advances and future trends in LIBS applications to agricultural materials and their food derivatives: An overview of developments in the last decade (2010â€“2019). Part I. Soils and fertilizers. TrAC - Trends in Analytical Chemistry, 2019, 115, 70-82.	11.4	80
8	Automated quantum operations in photonic qutrits. Physical Review A, 2018, 97, .	2.5	7
9	Calculation of an Optical setup for a LIBS system. Journal of Experimental Techniques and Instrumentation, 2018, 1, 1-10.	0.1	1
10	LIBS Use in Study of Homogenization and Plasma Characterization in Medicine Tablets. , 2018, , .		0
11	Evaluation of Nitrogen Fertilization in Sugarcane Leaves Using Laser-Induced Breakdown Spectroscopy (LIBS) Coupled with Principal Component Analysis (PCA). , 2018, , .		1
12	Laser-induced breakdown spectroscopy of environmental and synthetic samples using non-intensified CCD: optimization of the excitation wavelength. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	9
13	Phosphorus quantification in fertilizers using laser induced breakdown spectroscopy (LIBS): a methodology of analysis to correct physical matrix effects. Analytical Methods, 2016, 8, 78-82.	2.7	64
14	Photonic Techniques for Transgenic Grains Identification and Determination of Macro and Micronutrients in Corn Samples. , 2016, , .		0
15	Development of a Double-Pulse (DP) Laser-Induced Breakdown Spectroscopy (LIBS) Setup in the Orthogonal Configuration for Environmental Applications. , 2016, , .		0
16	Two-body FÃ¶rster resonance involving Rb<math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>n</mml:mi><mml:mi>D</mml:mi></mml:mrow></math> in a quasi-electrostatic trap. Physical Review A, 2014, 90, .	2.5	25
17	Quantification of total carbon in soil using laser-induced breakdown spectroscopy: a method to correct interference lines. Applied Optics, 2014, 53, 2170.	1.8	53
18	Effects of electric fields on ultracold Rydberg atom interactions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 184007.	1.5	26

#	ARTICLE	IF	CITATIONS
19	Manipulation of quantum state transfer in cold Rydberg atom collisions. New Journal of Physics, 2010, 12, 093023.	2.9	15
20	Inversores de Potência: Conceitos teóricos e demonstração experimental. Revista Brasileira De Ensino De Fisica, 0, 42, .	0.2	0