

V L B De Jesus

List of Publications by Year in descending order

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48
papers

1,439
citations

471509

17
h-index

377865

34
g-index

48
all docs

48
docs citations

48
times ranked

789
citing authors

#	ARTICLE	IF	CITATIONS
1	The Magnus effect in volleyball service by video analysis. European Journal of Physics, 2022, 43, 015002.	0.6	5
2	Video analysis of the fall and vertical downward launch of Styrofoam balls with air drag. Physics Education, 2021, 56, 045005.	0.5	1
3	Understanding the effect of rolling friction in the inclined track experiment. Physics Education, 2020, 55, 055010.	0.5	8
4	Understanding the gyroscope sensor: a quick guide to teaching rotation movements using a smartphone. Physics Education, 2019, 54, 015003.	0.5	11
5	Interferômetro de Michelson construído com material de fácil acesso. Revista Brasileira De Ensino De Física, 2019, 41, .	0.2	0
6	All-optical atom trap as a target for MOTRIMS-like collision experiments. Physical Review A, 2018, 97, .	2.5	14
7	A low-cost experiment to visualise the Fourier series: video analysis of a real plucked coiled spring. European Journal of Physics, 2018, 39, 025704.	0.6	3
8	A Simple Experiment to Determine the Moments of Inertia of the Fidget Spinner by Video Analysis. Physics Teacher, 2018, 56, 639-642.	0.3	3
9	Experiments and Video Analysis in Classical Mechanics. Undergraduate Lecture Notes in Physics, 2017, .	0.1	14
10	A novel double-focusing time-of-flight mass spectrometer for absolute recoil ion cross sections measurements. Review of Scientific Instruments, 2016, 87, 083112.	1.3	15
11	Target electron ionization in Li^{2+} -Li collisions: A multi-electron perspective. Journal of Physics: Conference Series, 2015, 601, 012010.	0.4	2
12	Electron and recoil ion momentum imaging with a magneto-optically trapped target. Review of Scientific Instruments, 2015, 86, 033105.	1.3	26
13	Ion-Li collision dynamics studied with a MOTReMi. Journal of Physics: Conference Series, 2014, 488, 082004.	0.4	0
14	Polarization and Interference Effects in Ionization of Li by Ion Impact. Physical Review Letters, 2013, 110, 133201.	7.8	40
15	Initial-state selective study of ionization dynamics in ion-Li collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 031001.	1.5	18
16	Ionization and Fragmentation of Methane Induced by 40 eV to 480 eV Synchrotron Radiation: From Valence to Beyond Core Electron Ionization. Journal of Physical Chemistry A, 2013, 117, 56-66.	2.5	12
17	Pathways for the release of atomic chlorine from CHCl_2 fragmentation by electron impact. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 215203.	1.5	12
18	Fragmentation of CHCl_2 by electron impact investigated using a time-delayed spectroscopic technique. Physical Review A, 2012, 86, .	2.5	24

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19	Ion-Lithium Collision Dynamics Studied with a Laser-Cooled In-Ring Target. <i>Physical Review Letters</i> , 2012, 109, 113202.	7.8	43
20	Measurements of Energy Distribution of Molecular Ions and their Fragments Produced by Electron Impact with a New Spectroscopic Technique. <i>Journal of Physics: Conference Series</i> , 2012, 388, 052001.	0.4	0
21	Identification of the CHClF ₂ molecule fragmentation paths by electron impact. <i>Journal of Physics: Conference Series</i> , 2012, 388, 052005.	0.4	1
22	O problema da simultaneidade na lei do impedimento do futebol. <i>Revista Brasileira De Ensino De Fisica</i> , 2011, 33, 4308-4308.	0.2	0
23	Cross-section measurements for the fragmentation of CHClF ₂ by electron impact. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 105203.	1.5	13
24	Manipulating the Dissociation of H ₂ (D ₂) by Phase-stable Laser Pulses. , 2010, , .		0
25	Electron Localization in Molecular Fragmentation of H by Carrier-Envelope Phase Stabilized Laser Pulses. <i>Physical Review Letters</i> , 2009, 103, 213003.	7.8	158
26	Wavelength dependence of sub-laser-cycle few-electron dynamics in strong-field multiple ionization. <i>New Journal of Physics</i> , 2008, 10, 025007.	2.9	39
27	Intensity-dependent transitions between different pathways of strong-field double ionization. <i>Physical Review A</i> , 2008, 78, .	2.5	22
28	From non-sequential to sequential strong-field multiple ionization: identification of pure and mixed reaction channels. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 081006.	1.5	26
29	Correlated Two-Electron Momentum Spectra for Strong-Field Nonsequential Double Ionization of He at 800 nm. <i>Physical Review Letters</i> , 2007, 99, 263003.	7.8	221
30	LudiÃo versus princÃpio do submarino. <i>Revista Brasileira De Ensino De Fisica</i> , 2007, 29, 599-603.	0.2	1
31	<title>Single ionization of atoms in intense laser pulses: evolution from multiphoton to tunnel ionization</title>. , 2006, , .		0
32	Multiple ionization of Ne and Ar by intense 25 fs laser pulses: few-electron dynamics studied with ion momentum spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, S371-S380.	1.5	36
33	Fragmentation dynamics of molecular hydrogen in strong ultrashort laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 487-501.	1.5	51
34	Coulomb singularity in the transverse momentum distribution for strong-field single ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, L191-L198.	1.5	82
35	Atomic structure dependence of nonsequential double ionization of He, Ne and Ar in strong laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, L161-L167.	1.5	110
36	Resonant structures in the low-energy electron continuum for single ionization of atoms in the tunnelling regime. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, L407-L413.	1.5	178

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37	Reaction microscopes applied to study atomic and molecular fragmentation in intense laser fields: non-sequential double ionization of helium. Journal of Electron Spectroscopy and Related Phenomena, 2004, 141, 127-142.	1.7	52
38	Correlated Multielectron Dynamics in Ultrafast Laser Pulse Interactions with Atoms. Physical Review Letters, 2004, 93, 253001.	7.8	169
39	Multiple Ionization of Atoms in Intense Laser Fields. AIP Conference Proceedings, 2003, , .	0.4	0
40	NMR study of Gd ²⁺ Ni intermetallic compounds. Journal of Magnetism and Magnetic Materials, 2000, 212, 125-137.	2.3	13
41	Electronic capture by He ²⁺ from atomic and molecular hydrogen. Physical Review A, 2000, 61, .	2.5	9
42	Classical and quantum mechanics of a charged particle in oscillating electric and magnetic fields. Brazilian Journal of Physics, 1999, 29, 541.	1.4	5
43	Normal modes and resonant confinement of charged particles in oscillating electric and magnetic fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, 2457-2467.	1.5	0
44	Video analysis using a shaking camera. Revista Brasileira De Ensino De Fisica, 0, 43, .	0.2	1
45	Conservação do momento angular por videoanálise utilizando o brinquedo flat balls. Revista Brasileira De Ensino De Fisica, 0, 42, .	0.2	0
46	Uma maquete da estrutura em treliças simples triangulares para o ensino de estática. Revista Brasileira De Ensino De Fisica, 0, 42, .	0.2	0
47	Videoanálise do voo de um fidget spinner: torque e momento angular. Revista Brasileira De Ensino De Fisica, 0, 42, .	0.2	0
48	Simulação da detecção de exoplanetas pelo método do trânsito utilizando o pêndulo cônico e o smartphone. Revista Brasileira De Ensino De Fisica, 0, 42, .	0.2	1