

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	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
2	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
3	Correlated Multielectron Dynamics in Ultrafast Laser Pulse Interactions with Atoms. <i>Physical Review Letters</i> , 2004, 93, 253001.	7.8	169
4	Electron Localization in Molecular Fragmentation of H_2 by Carrier-Envelope Phase Stabilized Laser Pulses. <i>Physical Review Letters</i> , 2009, 103, 213003.	7.8	158
5	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
6	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
7	Reaction microscopes applied to study atomic and molecular fragmentation in intense laser fields: non-sequential double ionization of helium. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2004, 141, 127-142.	1.7	52
8	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
9	Ion-Lithium Collision Dynamics Studied with a Laser-Cooled In-Ring Target. <i>Physical Review Letters</i> , 2012, 109, 113202.	7.8	43
10	Polarization and Interference Effects in Ionization of Li by Ion Impact. <i>Physical Review Letters</i> , 2013, 110, 133201.	7.8	40
11	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
12	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
13	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
14	Electron and recoil ion momentum imaging with a magneto-optically trapped target. <i>Review of Scientific Instruments</i> , 2015, 86, 033105.	1.3	26
15	Fragmentation of H_2 by electron impact investigated using a time-delayed spectroscopic technique. <i>Physical Review A</i> , 2012, 86, .	2.5	24
16	Intensity-dependent transitions between different pathways of strong-field double ionization. <i>Physical Review A</i> , 2008, 78, .	2.5	22
17	Initial-state selective study of ionization dynamics in ion-Li collisions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 031001.	1.5	18
18	A novel double-focusing time-of-flight mass spectrometer for absolute recoil ion cross sections measurements. <i>Review of Scientific Instruments</i> , 2016, 87, 083112.	1.3	15

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19	Experiments and Video Analysis in Classical Mechanics. Undergraduate Lecture Notes in Physics, 2017, , .	0.1	14
20	All-optical atom trap as a target for MOTRIMS-like collision experiments. Physical Review A, 2018, 97, .	2.5	14
21	NMR study of Gd ²⁺ Ni intermetallic compounds. Journal of Magnetism and Magnetic Materials, 2000, 212, 125-137.	2.3	13
22	Cross-section measurements for the fragmentation of CHClF ₂ by electron impact. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 105203.	1.5	13
23	Pathways for the release of atomic chlorine from CHClF ₂ fragmentation by electron impact. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 215203.	1.5	12
24	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
25	Understanding the gyroscope sensor: a quick guide to teaching rotation movements using a smartphone. Physics Education, 2019, 54, 015003.	0.5	11
26	Electronic capture by He ²⁺ from atomic and molecular hydrogen. Physical Review A, 2000, 61, .	2.5	9
27	Understanding the effect of rolling friction in the inclined track experiment. Physics Education, 2020, 55, 055010.	0.5	8
28	Classical and quantum mechanics of a charged particle in oscillating electric and magnetic fields. Brazilian Journal of Physics, 1999, 29, 541.	1.4	5
29	The Magnus effect in volleyball service by video analysis. European Journal of Physics, 2022, 43, 015002.	0.6	5
30	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
31	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
32	Target electron ionization in Li ²⁺ -Li collisions: A multi-electron perspective. Journal of Physics: Conference Series, 2015, 601, 012010.	0.4	2
33	LudiÃo versus princÃpio do submarino. Revista Brasileira De Ensino De Fisica, 2007, 29, 599-603.	0.2	1
34	Identification of the CHClF ₂ molecule fragmentation paths by electron impact. Journal of Physics: Conference Series, 2012, 388, 052005.	0.4	1
35	Video analysis of the fall and vertical downward launch of Styrofoam balls with air drag. Physics Education, 2021, 56, 045005.	0.5	1
36	Video analysis using a shaking camera. Revista Brasileira De Ensino De Fisica, 0, 43, .	0.2	1

#	ARTICLE	IF	CITATIONS
37	Simulação da detecção de exoplanetas pelo método do trânsito utilizando o pêndulo cônico e o smartphone. Revista Brasileira De Ensino De Física, 0, 42, .	0.2	1
38	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
39	Multiple Ionization of Atoms in Intense Laser Fields. AIP Conference Proceedings, 2003, , .	0.4	0
40	<title>Single ionization of atoms in intense laser pulses: evolution from multiphoton to tunnel ionization</title>. , 2006, , .		0
41	O problema da simultaneidade na lei do impedimento do futebol. Revista Brasileira De Ensino De Física, 2011, 33, 4308-4308.	0.2	0
42	Measurements of Energy Distribution of Molecular Ions and their Fragments Produced by Electron Impact with a New Spectroscopic Technique. Journal of Physics: Conference Series, 2012, 388, 052001.	0.4	0
43	Ion-Li collision dynamics studied with a MOTReMi. Journal of Physics: Conference Series, 2014, 488, 082004.	0.4	0
44	Manipulating the Dissociation of H ₂ (D ₂) by Phase-stable Laser Pulses. , 2010, , .		0
45	Interferômetro de Michelson construindo com material de fácil acesso. Revista Brasileira De Ensino De Física, 2019, 41, .	0.2	0
46	Conservação do momento angular por videoanálise utilizando o brinquedo flat balls. Revista Brasileira De Ensino De Física, 0, 42, .	0.2	0
47	Uma maquete da estrutura em treliças simples triangulares para o ensino de estática. Revista Brasileira De Ensino De Física, 0, 42, .	0.2	0
48	Videoanálise do voo de um fidget spinner: torque e momento angular. Revista Brasileira De Ensino De Física, 0, 42, .	0.2	0