

Jacques Robert

List of Publications by Year in descending order

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papers

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56
all docs

56
docs citations

56
times ranked

624
citing authors

#	ARTICLE	IF	CITATIONS
1	Low resistivity amorphous carbon-based thin films employed as anti-reflective coatings on copper. Thin Solid Films, 2020, 712, 138319.	0.8	6
2	Quantum state preparation of hydrogen atoms by hyperfine quenching. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 215001.	0.6	0
3	Monte-Carlo simulation of positronium laser excitation and anti-hydrogen formation via charge exchange. Hyperfine Interactions, 2019, 240, 1.	0.2	1
4	Imaging a positronium cloud in a 1 Tesla. EPJ Web of Conferences, 2019, 198, 00004.	0.1	4
5	Compression of a mixed antiproton and electron non-neutral plasma to high densities. European Physical Journal D, 2018, 72, 1.	0.6	17
6	Accurate density measurement of a cold Rydberg gas via non collisional two-body transitions. New Journal of Physics, 2018, 20, 073042.	1.2	1
7	Coherent scattering of near-resonant light by a dense, microscopic cloud of cold two-level atoms: Experiment versus theory. Physical Review A, 2018, 97, .	1.0	29
8	Toward a test of angular-momentum coherence in a twin-atom interferometer. Europhysics Letters, 2015, 110, 50001.	0.7	4
9	Dissociative recombination and vibrational excitation of CO ⁺ : model calculations and comparison with experiment. Plasma Sources Science and Technology, 2015, 24, 035005.	1.3	14
10	Experimental Evidence of Twin Fast Metastable H(2S ₂) Atoms from Dissociation of Cold H ₂ Induced by Electrons. Physical Review Letters, 2013, 111, 183203.	2.9	12
11	Resonant States of the H ₃ ⁺ Molecule and Its Isotopologues D ₂ H ⁺ and H ₂ D ⁺ . Journal of Physical Chemistry A, 2013, 117, 9941-9949.	1.1	7
12	Collisional production of fast metastable hydrogen atoms from cold H ₂ : toward twin atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 215203.	0.6	14
13	Potential energy and dipole moment surfaces of H ₃ ⁺ molecule. Journal of Chemical Physics, 2010, 132, 194309.	1.2	41
14	Landau-Zener Transitions in Frozen Pairs of Rydberg Atoms. Physical Review Letters, 2010, 104, 133003.	2.9	21
15	Ultra thin coherent atom beam by Stern-Gerlach interferometry. Europhysics Letters, 2007, 78, 60003.	0.7	9
16	Postmating changes in cuticular chemistry and visual appearance in Ectatomma tuberculatum queens (Formicidae: Ectatomminae). Die Naturwissenschaften, 2007, 95, 55-60.	0.6	24
17	Surface-induced vibrational excitation of metastable nitrogen molecules traversing a micro-slit copper grating: a probe of surface profiles. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 1837-1845.	0.6	0
18	van der Waals - Zeeman transitions of metastable neon atoms passing through a micro-slit copper grating. Europhysics Letters, 2006, 74, 36-42.	0.7	14

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19	High resolution electron imaging system for sub-micron sized metastable atom beams produced by Stern-Gerlach interferometry. Measurement Science and Technology, 2005, 16, 1997-2004.	1.4	3
20	Atom diffraction with a $\tilde{\text{natural}}$ metastable atom nozzle beam. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 2691-2700.	0.6	16
21	Optical properties of metallic nanowires. Optics Communications, 2003, 220, 377-381.	1.0	14
22	Motional states of magnetic molecules and their coherent superposition. Journal of Chemical Physics, 2003, 119, 11159-11171.	1.2	4
23	The multipolar Hamiltonian in QED for moving atoms and ions. Journal of Physics A, 2002, 35, 5023-5039.	1.6	8
24	Orientalional polarizability and diffracted-molecular-electron induced dipole. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 1679-1692.	0.6	2
25	Endothermal fine-structure transition of metastable argon atoms passing through a micro-slit copper grating. Europhysics Letters, 2002, 60, 207-213.	0.7	4
26	Atom Symmetry Break and Metastable Level Coupling in Rare Gas Atom-Surface van der Waals Interaction. Physical Review Letters, 2001, 86, 2766-2769.	2.9	30
27	Reconciliation of additional-boundary condition and eigenmode treatments of the non-local response of a small sphere. Optics Communications, 2001, 198, 389-393.	1.0	7
28	Surface-induced vibrational transition of metastable nitrogen molecules passing through a nano-slit grating. Europhysics Letters, 2001, 56, 644-650.	0.7	10
29	Single atom inside or outside a dielectric or metallic bubble. Physical Review B, 2000, 62, 7593-7601.	1.1	8
30	Atomic interferometry. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, R173-R195.	0.6	47
31	What Is the State of a Hydrogen Atom Leaving a Stern-Gerlach Interferometer?. International Journal of Theoretical Physics, 1999, 38, 259-276.	0.5	0
32	Single and double interaction zone with comoving fields in Stern-Gerlach atom interferometry. Europhysics Letters, 1998, 44, 137-143.	0.7	3
33	Double atom interferometer. Physical Review A, 1998, 58, 4039-4043.	1.0	5
34	Atomic interferences in a comoving magnetic field. Physical Review A, 1997, 56, 2954-2958.	1.0	11
35	A Fresnel bi-prism device for atomic matter waves. Optics Communications, 1997, 141, 329-335.	1.0	0
36	Delayed choices in atom Stern-Gerlach interferometry. Physical Review A, 1996, 54, 5042-5047.	1.0	44

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37	Time selection in atomic Stern-Gerlach interferometry. <i>Physical Review A</i> , 1995, 52, 2457-2459.	1.0	3
38	Stern-Gerlach Atomic Interferometry with Space- and Time-dependent Magnetic Fields. <i>Annals of the New York Academy of Sciences</i> , 1995, 755, 173-181.	1.8	2
39	Atomic Stern-Gerlach interferences with time-dependent magnetic fields. <i>Physical Review Letters</i> , 1994, 72, 1-4.	2.9	38
40	Doppler-tuned multiphoton resonances in an atom reflection by a standing evanescent wave. <i>Physical Review A</i> , 1994, 49, 4733-4741.	1.0	13
41	Dispersive and nondispersive phase shifts in atomic Stern-Gerlach interferometry. <i>Physical Review A</i> , 1994, 50, 5007-5013.	1.0	2
42	Reflection of metastable neon atoms by a surface plasmon wave. <i>Optics Communications</i> , 1993, 102, 83-88.	1.0	43
43	Selection of Electronic States in Atomic Beams with Lasers. <i>Advances in Atomic, Molecular and Optical Physics</i> , 1993, 31, 183-232.	2.3	0
44	Longitudinal Stern-Gerlach atomic interferometry using velocity selected atomic beams. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1993, 26, 1271-1279.	0.6	12
45	Atomic interferences and the topological phase. <i>Physical Review Letters</i> , 1992, 69, 261-264.	2.9	46
46	A longitudinal stern-gerlach atomic interferometer. <i>Applied Physics B: Lasers and Optics</i> , 1992, 54, 347-350.	1.1	22
47	Optical potentials for $\text{Ne}^*(3P2,0) \leftrightarrow \text{Ar}, \text{N}_2$ interactions. <i>Journal of Chemical Physics</i> , 1991, 95, 1801-1807.	1.2	32
48	Atomic Interferometry with Metastable Hydrogen Atoms. <i>Europhysics Letters</i> , 1991, 16, 29-34.	0.7	46
49	Polarization effects in metastable neon atom ($\text{Ne}^*(3P2)$) on ground state neon atom collision at thermal energy. <i>Chemical Physics</i> , 1990, 145, 153-161.	0.9	12
50	Differential measurements on $\text{Ne}^*(2p53s3P0,2)$ -Ne collisions in the hyperthermal energy range. <i>Chemical Physics Letters</i> , 1989, 160, 555-558.	1.2	3
51	Differential and absolute-total cross section measurements on elastic $\text{Ne}^*(3P0,2)$ -He collisions at 64 meV. <i>Chemical Physics</i> , 1988, 121, 155-160.	0.9	7
52	Ab initio calculation of adiabatic potential surfaces for $\text{Ne}^*(2p53s,1,3P)+\text{H}_2(1\hat{1}\Sigma+g)$. <i>Journal of Chemical Physics</i> , 1987, 87, 6000-6003.	1.2	2
53	Theory of One-Electron Molecular Ions Using Eckart Co-Ordinates. <i>Europhysics Letters</i> , 1986, 2, 363-369.	0.7	9
54	The Role of Amorphous Nanocrystalline Carbon Films in Interference on Flexible Copper Foils. <i>ACS Applied Electronic Materials</i> , 0, , .	2.0	1