

Jean-Paul Visticot

List of Publications by Year in descending order

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papers

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516710

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26
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41
all docs

41
docs citations

41
times ranked

448
citing authors

#	ARTICLE	IF	CITATIONS
1	Prereactive evolution of monoalkenes excited in the 6 eV region. Journal of Chemical Physics, 2000, 113, 237-248.	3.0	80
2	A simple method to determine the mean cluster size in a molecular beam. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1991, 21, 265-269.	1.0	48
3	Transition state in metal atom reactions. International Reviews in Physical Chemistry, 2003, 22, 285-339.	2.3	47
4	Mean cluster size by Rayleigh scattering. Journal Physics D: Applied Physics, 1993, 26, 994-996.	2.8	42
5	Two-electron pseudopotential investigation of the electronic structure of the CaAr molecule. Journal of Chemical Physics, 2002, 117, 7534-7550.	3.0	38
6	Binding energies of first and second shell water molecules in the Fe(H ₂ O) ₂ ⁺ , Co(H ₂ O) ₂ ⁺ and Au(H ₂ O) ₂ ⁺ . Journal of Chemical Physics, 1994, 100, 133-134.	1.3	34
7	Experimental investigation of the Cs(5D _{5/2} ,m=1/2)-rare-gas interaction: potential curves and oscillator strength of the dipole-induced transitions. Journal of Physics B: Atomic and Molecular Physics, 1980, 13, 177-191.	1.6	31
8	Experimental Evidence for Ultrafast Electronic Relaxation in Molecules, Mediated by Diffuse States. Journal of the American Chemical Society, 2005, 127, 16529-16534.	13.7	30
9	Multifragmentation of the Au(H ₂ O) _n ⁺ Cluster Ions by Collision with Helium. Journal of Physical Chemistry A, 2002, 106, 5455-5462.	2.5	29
10	Polarization effects in the differential cross section of the Ba(1P ₁ →3P ₂) inelastic transition induced by argon. Physical Review A, 1992, 45, 6371-6378.	2.5	25
11	Spectroscopy of calcium deposited on large argon clusters. European Physical Journal D, 2002, 21, 153-161.	1.3	25
12	Probing several structures of Fe(H ₂ O) _n ⁺ and Co(H ₂ O) _n ⁺ (n=1,â€¦,10) cluster ions. International Journal of Mass Spectrometry, 2002, 220, 111-126.	1.5	23
13	Chemiluminescent channels in reactions of Ba(1P ₁) with water, alcohols, and ethers. Journal of Chemical Physics, 1993, 99, 2533-2540.	3.0	18
14	Femtosecond to nanosecond relaxation time scales in electronically excited tetrakis(dimethylamino)ethylene: identification of the intermediates. European Physical Journal D, 2001, 14, 191-203.	1.3	18
15	Reaction between barium and N ₂ O on large van der Waals clusters: progressive embedding of the BaO product inside argon and neon clusters. Physical Chemistry Chemical Physics, 2000, 2, 831-837.	2.8	17
16	The dynamics of electronic to vibrational, rotational, and translational energy transfer in collision of Ba(1P ₁) with diatomic molecules. Journal of Chemical Physics, 1992, 97, 4094-4103.	3.0	16
17	Orbital orientation in van der waals reactions. Journal of the Chemical Society, Faraday Transactions 2, 1989, 85, 1133.	1.1	15
18	Experimental investigation of the Rb (6S or 4D)-rare gas interaction: determination of interaction potentials and oscillator strengths. Journal of Physics B: Atomic and Molecular Physics, 1986, 19, 1165-1175.	1.6	14

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19	Spectroscopy and dynamics of calcium dimers deposited on large argon and neon van der Waals clusters. Journal of Chemical Physics, 2002, 116, 955-963.	3.0	13
20	Chemiluminescent reactions of electronically excited alkaline earth atoms. II. Energy dependence in $\text{Ba}^* + \text{O}_2 \rightarrow \text{BaO}^* + \text{O}$. Journal of Chemical Physics, 1991, 94, 4913-4920.	3.0	12
21	Four-vector study of the spin-changing collision $\text{Ba}[(6s)1(6p)1,1P1 \rightarrow (6s)1(6p)1,3P2]/\text{H}_2$. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 1413-1418.	1.7	12
22	Dynamics of the barium-molecule system within large argon clusters. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1994, 30, 45-52.	1.0	12
23	Spectroscopic investigation of the $\text{Cs}(7S_{1/2} \text{ and } 5D_{5/2}; m=1/2) - \text{He}$ interaction. Journal of Physics B: Atomic and Molecular Physics, 1980, 13, 2571-2579.	1.6	11
24	Semiclassical description of the satellite profile of the $\text{Cs}(6S_{1/2} \text{ to } 5D_{5/2})$ transition perturbed by argon allowing molecular potential determination. Journal of Physics B: Atomic and Molecular Physics, 1981, 14, 2329-2335.	1.6	11
25	Tandem time-of-flight experiment for low energy collision studies. Journal of the American Society for Mass Spectrometry, 2000, 11, 160-166.	2.8	10
26	Dynamics of electronically inelastic collisions from 3D Doppler measurements. Physical Review Letters, 1991, 67, 3070-3073.	7.8	9
27	On the perturbations in the (000-000) band of the BaOH transition. Journal of Molecular Spectroscopy, 1991, 145, 210-221.	1.2	8
28	Excited state reactions of metals on clusters: Full dynamics of the $\text{Ca}^* + \text{HBr}$ reaction on Ar_{2000} . Journal of Chemical Physics, 2002, 117, 5036-5047.	3.0	8
29	Reaction Dynamics of Electronically Excited Barium Atoms With Free Molecules and Molecular Clusters. Laser Chemistry, 1990, 10, 389-403.	0.5	7
30	$\text{Ba}(6s6pP1, m_j 1) \rightarrow \text{Ba}(6s6pP2, m_j \pm 3)$ Zeeman cross sections in single collisions with N_2 , O_2 , and H_2 . Physical Review A, 1993, 47, 241-254.	2.5	7
31	Experimental study of the satellite of the $\text{Cs}(6S_{1/2} - 5D_{5/2})$ line perturbed by a rare gas and comparison with the predictions of a quasimolecular model. Journal of Physics B: Atomic and Molecular Physics, 1981, 14, 4755-4761.	1.6	6
32	Reactions of N_2O with Lin in the gas-phase and on the surfaces of large Ar_n clusters. Chemical Physics Letters, 2002, 364, 225-230.	2.6	6
33	Spectroscopic manifestations of phase changes in CaAr_n clusters: finite size effects. European Physical Journal D, 2003, 24, 215-218.	1.3	6
34	Dynamics of excited tetrakis(dimethylamino)ethylene solvated by argon atoms. Chemical Physics, 2004, 301, 225-237.	1.9	6
35	Investigation of Ion-Molecule Reactions via Femtosecond Excitation and Ionization of [Tetrakis(dimethylamino)ethylene] $\text{n}^{\circ} 1$. Journal of Physical Chemistry A, 2004, 108, 3884-3895.	2.5	6
36	The Laboratoire LÅ©on Brillouin and the OrphÅ©e Reactor: The French National Neutron Facility. Neutron News, 2011, 22, 10-13.	0.2	5

#	ARTICLE	IF	CITATIONS
37	Far wings of the $6s\frac{1}{2}-5d\frac{1}{2}$ and $6s\frac{1}{2}-7s\frac{1}{2}$ transitions in Cs-He: influence on non-adiabatic effects. Journal of Physics B: Atomic and Molecular Physics, 1985, 18, 2861-2870.	1.6	4
38	Broadening of the caesium second resonance doublet by collisions with hydrogen molecules. Journal of Physics B: Atomic and Molecular Physics, 1981, 14, 3875-3879.	1.6	3
39	Femtosecond photodissociation dynamics of van der Waals cationic clusters: a tool for detecting metastable isomers of organic cations. Chemical Physics Letters, 2004, 391, 254-258.	2.6	2
40	Time resolved observation of multiple electronic configurations in the electronic relaxation of isolated molecules by photoelectron imaging. AIP Conference Proceedings, 2005, , .	0.4	1