

A P Hickman

List of Publications by Year in descending order

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24
papers

1,023
citations

393982

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610482

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24
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24
docs citations

24
times ranked

349
citing authors

#	ARTICLE	IF	CITATIONS
1	Calculations of inelastic collisions of excited states of Xe with He and Ar. Journal of Chemical Physics, 1993, 98, 5419-5430.	1.2	20
2	Van der Donket al. reply. Physical Review Letters, 1992, 68, 2252-2252.	2.9	10
3	Interatomic potentials for excited states of XeHe and XeAr. Journal of Chemical Physics, 1992, 96, 2099-2113.	1.2	35
4	Dissociative recombination of H ₂ ⁺ . Physical Review Letters, 1991, 67, 42-45.	2.9	45
5	Photoelectron spectroscopy of vibrationally excited H ₂ (E, F ₁ g ⁺ 1). Physical Review A, 1989, 40, 7031-7038.	1.0	20
6	Two-photon excitation and excited-state absorption cross sections for H ₂ E, F ₁ g ₁ (v=6): Measurement and calculations. Physical Review A, 1989, 39, 3932-3941.	1.0	19
7	Efficient anti-Stokes Raman conversion in collimated beams. Journal of the Optical Society of America B: Optical Physics, 1989, 6, 1859.	0.9	29
8	Theory of Stokes and anti-Stokes generation by Raman frequency conversion in the transient limit. Physical Review A, 1988, 37, 2516-2523.	1.0	38
9	Dissociative recombination of electrons with H ₂ ⁺ . Journal of Physics B: Atomic and Molecular Physics, 1987, 20, 2091-2099.	1.6	53
10	Non-Franck-Condon distribution of final states in photoionization of H ₂ (C ₁ ¹ u). Physical Review Letters, 1987, 59, 1553-1556.	2.9	49
11	Theory of multiwave propagation and frequency conversion in a Raman medium. Physical Review A, 1986, 33, 1788-1797.	1.0	68
12	Approximate scaling formula for collisional angular-momentum mixing of Rydberg atoms. Physical Review A, 1981, 23, 87-94.	1.0	50
13	The effect of core interactions in l-mixing collisions of Rydberg atoms with rare gases. Journal of Physics B: Atomic and Molecular Physics, 1981, 14, L419-L424.	1.6	23
14	Comparison of ion pair formation in the systems Ar ⁺ +I ₂ and K+I ₂ . Journal of Chemical Physics, 1980, 73, 3672-3678.	1.2	8
15	Model for fast, nonadiabatic collisions between alkali atoms and diatomic molecules. Journal of Chemical Physics, 1980, 73, 4413-4418.	1.2	5
16	Approximate scaling formula for ion-ion mutual neutralization rates. Journal of Chemical Physics, 1979, 70, 4872-4878.	1.2	115
17	Relation between low-energy-electron scattering and l-changing collisions of Rydberg atoms. Physical Review A, 1979, 19, 994-1003.	1.0	51
18	Theory of angular momentum mixing in Rydberg-atom-rare-gas collisions. Physical Review A, 1978, 18, 1339-1342.	1.0	61

#	ARTICLE	IF	CITATIONS
19	Calculation of associative and Penning ionization of H and D by He(2^1S) and He(2^3S). Journal of Chemical Physics, 1977, 67, 5484-5490.	1.2	38
20	Penning ionization of H ₂ by He*: Calculation of anomalous structure in the singlet interaction potential. Journal of Chemical Physics, 1977, 67, 370-371.	1.2	31
21	Model quantum-mechanical calculations for the Penning ionization of Ar by He(2^3S). Journal of Physics B: Atomic and Molecular Physics, 1976, 9, 1765-1781.	1.6	62
22	Nature of excited helium atoms in liquid helium: A theoretical model. Physical Review B, 1975, 12, 3705-3717.	1.1	78
23	Long-range He ₂ ($1^1g, u+3$) potentials and metastability exchange in He-He collisions. Physical Review A, 1974, 10, 444-447.	1.0	12
24	Localized Excited States of Helium in Liquid Helium. Physical Review Letters, 1971, 26, 1216-1219.	2.9	103