

R H Lipson

List of Publications by Year in descending order

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50
papers

1,007
citations

394286

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434063

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled hydrothermal synthesis of $\hat{\text{I}}^2$ -BBO plates for detection of second harmonic generation. <i>CrystEngComm</i> , 2010, 12, 4352.	1.3	3
2	Combined $^{135}/^{137}\text{Ba}$ Solid-State NMR at an Ultrahigh Magnetic Field and Computational Study of $\hat{\text{I}}^2$ -Barium Borate. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21196-21201.	1.5	25
3	Prediction of the Size Distributions of Methanol $\hat{\sim}$ Ethanol Clusters Detected in VUV Laser/Time-of-Flight Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2009, 113, 6865-6875.	1.1	1
4	A new chimie douce approach to crystalline vanadium pentoxide nanobelts. <i>Journal of Materials Chemistry</i> , 2009, 19, 6512.	6.7	5
5	Enhanced Nonlinear Thin Films of $\hat{\text{I}}^2$ -Barium Borate by Sol $\hat{\sim}$ Gel Synthesis. <i>Chemistry of Materials</i> , 2008, 20, 5296-5300.	3.2	4
6	Geometries and energetics of methanol $\hat{\sim}$ ethanol clusters: a VUV laser/time-of-flight mass spectrometry and density functional theory study. <i>Canadian Journal of Chemistry</i> , 2007, 85, 843-852.	0.6	12
7	Poly(vinyl pyrrolidone)-Assisted Sol $\hat{\sim}$ Gel Deposition of Quality $\hat{\text{I}}^2$ -Barium Borate Thin Films for Photonics Applications. <i>Chemistry of Materials</i> , 2007, 19, 5018-5022.	3.2	11
8	NMR study of hydrogen bonding in methanol $\hat{\sim}$ carbon tetrachloride solutions. <i>Canadian Journal of Chemistry</i> , 2006, 84, 886-892.	0.6	9
9	Recombination studies of Xe^{2+} following associative ionization of laser-excited Xe. <i>Journal of Physics: Conference Series</i> , 2005, 4, 216-223.	0.3	3
10	An overview of organic molecule soft ionization using vacuum ultraviolet laser radiation. <i>Canadian Journal of Chemistry</i> , 2005, 83, 1891-1902.	0.6	30
11	Mechanism for the formation of gas-phase protonated alcohol-ether adducts by VUV laser ionization and density-functional calculations. <i>Journal of Chemical Physics</i> , 2004, 121, 10006-10014.	1.2	11
12	A spectroscopic and computer simulation study of butanol vapors. <i>Journal of Chemical Physics</i> , 2003, 119, 6597-6608.	1.2	34
13	State-dependent associative ionization in xenon. <i>Physical Review A</i> , 2003, 68, .	1.0	4
14	A 118 nm vacuum ultraviolet laser/time-of-flight mass spectroscopic study of methanol and ethanol clusters in the vapor phase. <i>Journal of Chemical Physics</i> , 2002, 116, 6990-6999.	1.2	78
15	A time-of-flight resonance ionization mass spectrometer for elemental analysis of precious metals in minerals. <i>Review of Scientific Instruments</i> , 2002, 73, 4295-4306.	0.6	6
16	Extreme ultraviolet laser/time-of-flight mass spectra of Kr_2 near $\text{Kr}^*(4d,5p\hat{\sim}^2,6s)$. <i>Journal of Chemical Physics</i> , 2001, 114, 4025-4035.	1.2	3
17	Resonance-enhanced multiphoton-ionization $\hat{\sim}$ photoelectron study of the dissociative recombination and associative ionization of Xe^{2+} . <i>Physical Review A</i> , 2000, 62, .	1.0	17
18	VACUUM ULTRAVIOLET AND EXTREME ULTRAVIOLET LASERS: PRINCIPLES, INSTRUMENTATION, AND APPLICATIONS. <i>Instrumentation Science and Technology</i> , 2000, 28, 85-118.	0.9	37

#	ARTICLE	IF	CITATIONS
19	Vacuum ultraviolet laser/time-of-flight mass spectra of Xe_2 near $\text{Xe}^*(5d, 6p, 6')$ atomic lines. Canadian Journal of Physics, 2000, 78, 433-447.	0.4	5
20	Heteronuclear rare-gas dimer bonding: Understanding the nature of the Rydberg states that dissociate to the highest energy level of the $\text{Xe}^*(5d)$ manifold. Journal of Chemical Physics, 1999, 111, 2985-2990.	1.2	11
21	Toward a global and causal understanding of the unusual Rydberg state potential energy curves of the heteronuclear rare gas dimers. Journal of Chemical Physics, 1999, 110, 10653-10656.	1.2	29
22	Analysis of Xanthate Derivatives by Vacuum Ultraviolet Laser-Time-of-Flight Mass Spectrometry. Analytical Chemistry, 1998, 70, 4534-4539.	3.2	34
23	Mass-resolved two-photon and photoelectron spectra of Xe_2 in the $\text{Xe}(4f)$ region above the first molecular ionization limit. Journal of Chemical Physics, 1998, 109, 3944-3953.	1.2	11
24	Vibronic analysis of the ion-pair (E_0^+) ground state (XO^+) transition of BrCl . Journal of Chemical Physics, 1997, 107, 3345-3351.	1.2	0
25	Vibronic analyses of the mass-resolved NeXe spectra near $\text{Xe}^*(6p)$. Journal of Chemical Physics, 1997, 107, 4817-4826.	1.2	7
26	Mass-resolved two-photon spectra of Xe_2 in the region of $\text{Xe}^*(5d)$. I. Vibronic analyses. Journal of Chemical Physics, 1997, 106, 9411-9418.	1.2	16
27	Mass-resolved two-photon spectra of Xe_2 in the region of $\text{Xe}^*(5d)$. II. Dominant ion-core assignments by dispersive photoelectron spectroscopy. Journal of Chemical Physics, 1997, 106, 9419-9426.	1.2	15
28	Studies of rare gas excimers using (2+1) REMPI/time-of-flight mass spectrometry. , 1997, , .		1
29	Rotational Analyses for Selected Bands of the $2 \rightarrow 1$ Transition of Cl_2 . Journal of Physical Chemistry A, 1997, 101, 4555-4559.	1.1	2
30	Mass-resolved two-photon spectra of ArXe in the region of $\text{Xe}^*(6p)$. Journal of Chemical Physics, 1996, 104, 1213-1224.	1.2	19
31	Analysis of the mass-resolved two-photon spectra of jet-cooled ArKr near $\text{Kr}^*(5p)$ and $\text{Ar}^*(4s)$. Journal of Chemical Physics, 1996, 104, 9669-9677.	1.2	5
32	Dominant ion-core assignments for the Rydberg states of Xe_2 dissociating to $\text{Xe} + \text{Xe}^*(6p, 5d)$ by dispersive photoelectron spectroscopy. Physical Review A, 1996, 54, 2814-2823.	1.0	20
33	Electronic symmetry assignments for the ArXe and KrXe band systems in the vicinity of the resonance line. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, L89-L94.	0.6	17
34	Polystyrene Surfaces Terminated with a Single Functionality of Alcohol. Materials Research Society Symposia Proceedings, 1995, 414, 53.	0.1	0
35	Mass-resolved two-photon spectra of Kr_2 . Journal of Chemical Physics, 1995, 102, 5881-5889.	1.2	19
36	Mass-resolved multiphoton ionization spectra of XeKr in the region of $\text{Xe}^*(6p, 5d)$. Journal of Chemical Physics, 1995, 103, 6313-6324.	1.2	16

#	ARTICLE	IF	CITATIONS
37	Vacuum ultraviolet laser/time-of-flight mass spectroscopy: Ion-pair spectra of $79\text{Br}35\text{Cl}$. Journal of Chemical Physics, 1994, 100, 8666-8672.	1.2	27
38	Two-photon time-of-flight spectra of Xe_2 . Journal of Chemical Physics, 1994, 101, 10313-10322.	1.2	27
39	Fluorescence excitation spectra of jet-cooled HgBr radicals. Journal of Chemical Physics, 1993, 98, 959-967.	1.2	5
40	A photodissociation study of HgI_2 . Journal of Chemical Physics, 1992, 97, 9099-9106.	1.2	5
41	Vacuum ultraviolet laser spectra of ICl . Journal of Chemical Physics, 1989, 90, 6821-6826.	1.2	19
42	Two-photon spectroscopy of the $5p56p$ gerade states of Xe_2 . Journal of Chemical Physics, 1989, 90, 4664-4670.	1.2	26
43	Vacuum ultraviolet laser spectroscopy. IV. Spectra of Kr_2 and constants of the ground and excited states. Journal of Chemical Physics, 1986, 84, 6627-6641.	1.2	83
44	Vacuum ultraviolet laser spectroscopy. II. Spectra of Xe_2 and excited state constants. Journal of Chemical Physics, 1985, 82, 4470-4478.	1.2	104
45	Vacuum ultraviolet laser spectroscopy III: laboratory sources of coherent radiation tunable from 105 to 175 nm using Mg, Zn, and Hg vapors. Canadian Journal of Physics, 1985, 63, 1581-1588.	0.4	49
46	Coherent VUV and XUV Radiation Tunable to 90 nm, and Spectra of Rare Gas Dimers. Springer Series in Optical Sciences, 1985, , 174-178.	0.5	7
47	Vacuum-ultraviolet laser-excited spectra of Xe_2 . Optics Letters, 1984, 9, 402.	1.7	33
48	Dichromium and trichromium. Journal of Chemical Physics, 1982, 77, 5263-5266.	1.2	79
49	Tunable, coherent sources for high-resolution VUV and XUV spectroscopy. , 1982, , .		1
50	Metal molecules, metal clusters and metal bumps. Journal of Vacuum Science and Technology, 1981, 18, 453-459.	1.9	21