

Ilana Bar

List of Publications by Year in descending order

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173
papers

3,075
citations

159358

30
h-index

253896

43
g-index

173
all docs

173
docs citations

173
times ranked

1948
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental/Computational Study on the Impact of Fluorine on the Structure and Noncovalent Interactions in the Monohydrated Cluster of <i>ortho</i> -Fluorinated 2-Phenylethylamine. Journal of the American Chemical Society, 2022, 144, 8337-8346.	6.6	4
2	Maximal kinetic energy and angular distribution analysis of spatial map imaging: Application to photoelectrons from a single quantum state of H ₂ O. Journal of Chemical Physics, 2021, 154, 134201.	1.2	2
3	Microstructure and the boson peak in thermally treated In_3O_5 films. Physical Review Materials, 2021, 5,	0.9	3
4	A compact and cost-effective laser desorption source for molecular beam generation: comparison with simulations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 175401.	0.6	4
5	Suppression of self-induced thermal lensing in stimulated Raman scattering of liquids. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 74.	0.9	2
6	Pulsed Laser Ablation at Gas/Liquid/Solid Interfaces Controlled via Rotation of a Partially Submerged Disc. Journal of Physical Chemistry C, 2021, 125, 22872-22882.	1.5	1
7	Revealing the Structure and Noncovalent Interactions of Isolated Molecules by Laser-Desorption/Ionization-Loss Stimulated Raman Spectroscopy and Quantum Calculations. Journal of Physical Chemistry Letters, 2021, 12, 11273-11279.	2.1	3
8	Implications of thermal lensing and four-wave mixing on stimulated Raman scattering in an aqueous solution of sodium nitrate. Optics and Laser Technology, 2020, 127, 106169.	2.2	6
9	A simple strategy for enhanced production of nanoparticles by laser ablation in liquids. Nanotechnology, 2020, 31, 235601.	1.3	11
10	A new imaging-based method for alignment of multiple laser beams. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 237, 118404.	2.0	5
11	Generation of Size-Controlled Crystalline CeO ₂ Particles by Pulsed Laser Irradiation in Water. Journal of Physical Chemistry C, 2019, 123, 30666-30675.	1.5	6
12	Alloying copper and palladium nanoparticles by pulsed laser irradiation of colloids suspended in ethanol. RSC Advances, 2018, 8, 33291-33300.	1.7	6
13	Raman-based point and proximal detection and imaging. , 2018, , .		0
14	The conformational landscape of 2-(4-fluoro-phenyl)-ethylamine: consequences of fluorine substitution at the para position. Physical Chemistry Chemical Physics, 2017, 19, 510-522.	1.3	6
15	Velocity map ion imaging and velocity-resolved action spectroscopy of H atom photofragments via Doppler-free multiphoton ionization. Chemical Physics Letters, 2017, 677, 1-6.	1.2	2
16	Structural features of monohydrated 2-(4-fluorophenyl)ethylamine: a combined spectroscopic and computational study. Physical Chemistry Chemical Physics, 2017, 19, 23999-24008.	1.3	7
17	Low energy electron beam processing of YBCO thin films. Applied Surface Science, 2017, 395, 42-49.	3.1	11
18	Control of Nonadiabatic Passage through a Conical Intersection by a Dynamic Resonance. Journal of Physical Chemistry Letters, 2016, 7, 1717-1724.	2.1	16

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19	CD3 Deformation Modes as Preferential Promoters of Methylamine-d3 to the First Electronic State. <i>Journal of Physical Chemistry A</i> , 2016, 120, 3049-3054.	1.1	1
20	Structural motifs of 2-(2-fluoro-phenyl)-ethylamine conformers. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 1191-1201.	1.3	10
21	Line-scan Raman spectroscopy for detection and imaging of explosives traces by a compact Raman spectrometer. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	3
22	Efficient frequency conversion by stimulated Raman scattering in a sodium nitrate aqueous solution. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	16
23	Point and proximal detection and imaging: Testing of a compact Raman spectrometer coupled with photo-guided sampling. <i>Journal of Molecular Structure</i> , 2015, 1090, 34-38.	1.8	4
24	Evidence for quantum effects in the predissociation of methylamine isotopologues. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 19607-19615.	1.3	18
25	Photo-guided sampling for rapid detection and imaging of traces of explosives by a compact Raman spectrometer. <i>Applied Physics Letters</i> , 2014, 104, 221103.	1.5	8
26	Laser-Based Detection of Explosives and Related Compounds. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2014, , 179-194.	0.5	2
27	Photofragment ionization-loss stimulated Raman spectroscopy of a hydrated neurotransmitter: 2-phenylethylamineâ€“water. <i>RSC Advances</i> , 2014, 4, 58752-58757.	1.7	12
28	The role of plasma shielding in collinear double-pulse femtosecond laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 97, 34-41.	1.5	40
29	Structure, dynamics, and light localization in self-induced plasma photonic lattices. <i>Physical Review A</i> , 2014, 89, .	1.0	0
30	Enhanced stimulated Raman scattering in temperature controlled liquid water. <i>Applied Physics Letters</i> , 2014, 105, 061107.	1.5	41
31	Reading Biochips by Raman and Surface-Enhanced Raman Spectroscopies. <i>Plasmonics</i> , 2013, 8, 3-12.	1.8	10
32	Detection of explosives and latent fingerprint residues utilizing laser pointerâ€“based Raman spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 2013, 113, 511-518.	1.1	24
33	Revealing the Hot Bands in the Regions of the Nâ€“H and Câ€“H Stretch Fundamentals of Pyrrole. <i>Journal of Physical Chemistry A</i> , 2013, 117, 11618-11623.	1.1	4
34	Vibrational overtone spectroscopy and intramolecular dynamics of Câ€“H stretches in pyrrole. <i>Journal of Chemical Physics</i> , 2013, 138, 194310.	1.2	1
35	Enhanced sensitivity in H photofragment detection by two-color reduced-Doppler ion imaging. <i>Journal of Chemical Physics</i> , 2013, 139, 184201.	1.2	15
36	In situ Generation of Superoxide Anion Radical in Aqueous Medium under Ambient Conditions. <i>ChemPhysChem</i> , 2013, 14, 4158-4164.	1.0	28

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37	Computational modeling of laser-plasma interactions: Pulse self-modulation and energy transfer between intersecting laser pulses. <i>Physical Review E</i> , 2013, 88, 013307.	0.8	4
38	Vibrational and vibronic spectra of tryptamine conformers. <i>Journal of Chemical Physics</i> , 2013, 138, 124312.	1.2	19
39	Vibrationally mediated photodissociation of ethyne isotopologues and homologues revisited. <i>Molecular Physics</i> , 2012, 110, 2673-2686.	0.8	5
40	Vibrational dynamics of pyrrole via frequency-domain spectroscopy. <i>Journal of Chemical Physics</i> , 2012, 136, 024313.	1.2	5
41	The structural and optical properties of supercontinuum emitting Si nanocrystals prepared by laser ablation in water. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	23
42	Simultaneous Ionization-Detected Stimulated Raman and Visibleâ€“Ultraviolet Hole-Burning Spectra of Two Tryptamine Conformers. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 603-607.	2.1	21
43	Detection of polymorphism in the methylenetetrahydrofolate reductase gene by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1083-1088.	1.2	2
44	Ionization-loss stimulated Raman spectroscopy for conformational probing of flexible molecules. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6808.	1.3	20
45	Vibrational Spectra of β -Glucose, β -Glucose, and Sucrose: Anharmonic Calculations and Experiment. <i>Journal of Physical Chemistry A</i> , 2011, 115, 5859-5872.	1.1	63
46	Raman and infrared spectra of cellobiose in the solid state: What can be learned from single-molecule calculations?. <i>Chemical Physics Letters</i> , 2011, 514, 284-290.	1.2	14
47	Micro-Raman spectroscopy of laser processed $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ thin films. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	9
48	Communication: Mode-specific photodissociation of vibrationally excited pyrrole. <i>Journal of Chemical Physics</i> , 2011, 134, 201104.	1.2	11
49	Highly sensitive standoff detection of explosives via backward coherent anti-Stokes Raman scattering. <i>Applied Physics B: Lasers and Optics</i> , 2010, 98, 529-535.	1.1	27
50	Reading microdots of a molecularly imprinted polymer by surface-enhanced Raman spectroscopy. <i>Biosensors and Bioelectronics</i> , 2010, 26, 809-814.	5.3	35
51	Highly sensitive standoff detection and identification of traces of explosives and of biological and chemical agents. , 2010, , .		0
52	Site-dependent photodissociation of vibronically excited CD_3NH_2 molecules. <i>Journal of Chemical Physics</i> , 2010, 132, 244310.	1.2	9
53	Detection Of Biochips By Raman And Surface Enhanced Raman Spectroscopies. , 2010, , .		0
54	Quantum Tunneling of Hydrogen Atom in Dissociation of Photoexcited Methylamine. <i>Journal of Physical Chemistry A</i> , 2010, 114, 9623-9627.	1.1	26

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55	Site-dependent photodissociation of vibrationally excited CD ₃ NH ₂ . Journal of Chemical Physics, 2009, 130, 164312.	1.2	7
56	Detection of template binding to molecularly imprinted polymers by Raman microspectroscopy. Applied Physics Letters, 2009, 94, .	1.5	16
57	Time-dependent quantum wave-packet description of H and D atom tunneling in N ¹⁵ H and N ¹⁵ D photodissociation of methylamine and methylamine-d ₂ . Journal of Chemical Physics, 2009, 131, 064302.	1.2	18
58	A new method for determining absorption cross sections out of initially excited vibrational states. Journal of Chemical Physics, 2009, 130, 054303.	1.2	6
59	A novel intralinear of conical intersections for methylamine: A theoretical study. International Journal of Quantum Chemistry, 2009, 109, 2482-2489.	1.0	21
60	Raman spectral signatures as conformational probes of gas phase flexible molecules. Journal of Chemical Physics, 2009, 131, 024305.	1.2	36
61	Writing Droplets of Molecularly Imprinted Polymers by Nano Fountain Pen and Detecting Their Molecular Interactions by Surface-Enhanced Raman Scattering. Analytical Chemistry, 2009, 81, 5686-5690.	3.2	51
62	Intralines of Quasi-Conical Intersections on Torsion Planes: Methylamine as a Case Study. Journal of Physical Chemistry A, 2009, 113, 6756-6762.	1.1	10
63	Fundamental vibrational frequencies and dominant resonances in methylamine isotopologues by <i>ab initio</i> and density functional theory methods. Journal of Computational Chemistry, 2008, 29, 1268-1276.	1.5	16
64	Detection of particles of explosives via backward coherent anti-Stokes Raman spectroscopy. Applied Physics Letters, 2008, 93, 041115.	1.5	36
65	Propensity towards H photofragments in the photodissociation of CD ₃ NH ₂ pre-excited to the first N ¹⁵ H stretch overtone. Molecular Physics, 2008, 106, 213-222.	0.8	13
66	Rovibrational spectroscopy and intramolecular dynamics of 1,2-trans-d ₂ -ethene in the first C-H stretch overtone region. Journal of Chemical Physics, 2008, 128, 114305.	1.2	3
67	An intralinear of conical intersections for methylamine. Journal of Chemical Physics, 2008, 128, 244302.	1.2	34
68	Vibrational overtone spectra of N ¹⁵ H stretches and intramolecular dynamics on the ground and electronically excited states of methylamine. Journal of Chemical Physics, 2008, 128, 154319.	1.2	18
69	Mode-dependent enhancement and intramolecular dynamics via vibrationally mediated photodissociation. Physica Scripta, 2007, 76, C79-C83.	1.2	9
70	Structure and morphology of pulsed laser deposited boron carbide films: Influence of deposition geometry. Journal of Applied Physics, 2007, 102, 104309.	1.1	11
71	Vibrational Overtone Spectroscopy and Intramolecular Dynamics of Ethene. Journal of Physical Chemistry A, 2007, 111, 10646-10653.	1.1	5
72	Molecular Dynamics of Methylamine Following C-H and N-H Vibrational Excitation and Promotion to the \tilde{A} State. Israel Journal of Chemistry, 2007, 47, 11-16.	1.0	8

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73	Nonstatistical energy flow in the first N-H stretch overtone region of methylamine. <i>Chemical Physics Letters</i> , 2007, 440, 194-198.	1.2	10
74	Vibrationally mediated photodissociation of ethene isotopic variants preexcited to the fourth C-H stretch overtone. <i>Journal of Chemical Physics</i> , 2006, 125, 133301.	1.2	11
75	Intramolecular dynamics from frequency domain spectroscopy. <i>Vibrational Spectroscopy</i> , 2006, 42, 147-155.	1.2	8
76	Probing the effect of an extract of elk velvet antler powder on mesenchymal stem cells using Raman microspectroscopy: enhanced differentiation toward osteogenic fate. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 480-486.	1.2	21
77	Mode-dependent enhancement of photodissociation and photoionization in a seven atom molecule. <i>Journal of Chemical Physics</i> , 2006, 125, 151103.	1.2	28
78	Vibrational structure and methyl C-H dynamics in propyne. <i>Journal of Chemical Physics</i> , 2006, 124, 164301.	1.2	14
79	Action Spectroscopy and Predissociation of Vibrationally Excited C ₂ H ₂ . <i>Zeitschrift Fur Physikalische Chemie</i> , 2005, 219, 569-582.	1.4	4
80	Probing molecular dynamics using action, Doppler and photoacoustic spectroscopy. <i>Journal of Molecular Structure</i> , 2005, 744-747, 107-115.	1.8	14
81	Bullous pemphigoid detection by micro-Raman spectroscopy and cluster analysis: structure alterations of proteins. <i>Journal of Raman Spectroscopy</i> , 2005, 36, 1034-1039.	1.2	5
82	Low level laser irradiation stimulates osteogenic phenotype of mesenchymal stem cells seeded on a three-dimensional biomatrix. <i>Lasers in Medical Science</i> , 2005, 20, 138-146.	1.0	99
83	Evidence for new bands in the 3 ν_1 and 4 ν_1 regions of propyne. <i>Journal of Chemical Physics</i> , 2005, 122, 244318.	1.2	13
84	Determining the vibrational pattern via overtone cold spectra: C-H methyl stretches of propyne. <i>Journal of Chemical Physics</i> , 2005, 122, 224316.	1.2	14
85	Overtone spectroscopy of C-H ethyl stretches of 1-butyne. <i>Journal of Chemical Physics</i> , 2005, 123, 084316.	1.2	5
86	Vibrational spectroscopy and intramolecular dynamics of 1-butyne. <i>Journal of Chemical Physics</i> , 2004, 121, 5860-5867.	1.2	15
87	H and D release in 243.1 nm photolysis of vibrationally excited 3 ν_1 , 4 ν_1 , and 4 ν_1 CD overtones of propyne-d ₃ . <i>Journal of Chemical Physics</i> , 2004, 120, 8600-8607.	1.2	19
88	Pulsed laser deposition of marine origin material: Preparation and characterization of CaCO ₃ particles and CaO nanocrystals. <i>Journal of Applied Physics</i> , 2004, 95, 8309-8313.	1.1	5
89	Vibrationally mediated photodissociation of 1-butyne initially excited to the 3 ν_1 state. <i>Chemical Physics Letters</i> , 2004, 392, 140-145.	1.2	6
90	Intramolecular Dynamics in the Photofragmentation of Initially Vibrationally Excited CH ₂ Cl ₂ . <i>Journal of Physical Chemistry A</i> , 2004, 108, 8089-8095.	1.1	10

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91	Photodissociation dynamics of vibrationally excited CH ₂ Cl ₂ molecules. <i>Chemical Physics Letters</i> , 2003, 378, 305-312.	1.2	13
92	Identification of organic compounds in ambient air via characteristic emission following laser ablation. <i>Journal of Luminescence</i> , 2003, 102-103, 408-413.	1.5	38
93	Emission following laser-induced breakdown spectroscopy of organic compounds in ambient air. <i>Applied Optics</i> , 2003, 42, 2835.	2.1	90
94	Non-adiabatic dissociation of rovibrationally excited acetylene. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 5399.	1.3	22
95	Disclosing rovibrational couplings and overlaps from irregularities in action spectra: Photodissociation of the 4 $\frac{1}{2}$ CH rovibrational manifold of C ₂ H ₂ . <i>Journal of Chemical Physics</i> , 2002, 117, 6511-6518.	1.2	23
96	Photodissociation and intramolecular dynamics of vibrationally excited CHF ₂ Cl. <i>Journal of Chemical Physics</i> , 2002, 116, 1869-1876.	1.2	10
97	Vibrationally Mediated Photodissociation of Jet-Cooled CH ₃ CF ₂ Cl: A Probe of Energy Flow and Bond Breaking Dynamics. <i>Journal of Physical Chemistry A</i> , 2002, 106, 8285-8290.	1.1	12
98	Differing reactivities in the predissociation of acetylene isotopomers pre-excited with three C-H stretching quanta. <i>Chemical Physics Letters</i> , 2002, 361, 175-181.	1.2	13
99	Spectroscopy of the Acetylenic C-H Stretch of Propyne-d ₃ in the Region of the Second Overtone. <i>Journal of Molecular Spectroscopy</i> , 2001, 208, 249-252.	0.4	10
100	Evidence for the onset of three-body decay in photodissociation of vibrationally excited CHFCl ₂ . <i>Journal of Chemical Physics</i> , 2001, 114, 9033-9039.	1.2	20
101	Dynamics of vibrationally mediated photodissociation of CH ₃ CFCl ₂ . <i>Journal of Chemical Physics</i> , 2001, 115, 6418-6425.	1.2	13
102	Controlling bond cleavage and probing intramolecular dynamics via photodissociation of rovibrationally excited molecules. <i>International Reviews in Physical Chemistry</i> , 2001, 20, 711-749.	0.9	86
103	NO and PO photofragments as trace analyte indicators of nitrocompounds and organophosphonates. <i>Applied Physics B: Lasers and Optics</i> , 2000, 71, 665-672.	1.1	43
104	The use of rovibrationally excited NO photofragments as trace nitrocompounds indicators. <i>Applied Physics B: Lasers and Optics</i> , 2000, 70, 621-625.	1.1	38
105	Vibrationally excited states of CH ₃ CFCl ₂ : Intramolecular vibrational redistribution and photodissociation dynamics. <i>Journal of Chemical Physics</i> , 2000, 112, 10787-10795.	1.2	20
106	Overtone spectroscopy of methyl C-H stretch vibration in CH ₃ CF ₂ Cl and CH ₃ CFCl ₂ . <i>Journal of Chemical Physics</i> , 2000, 112, 4111-4117.	1.2	11
107	Acetylenic C-H and methyl C-D bond fission in photodissociation of vibrationally excited propyne-d ₃ . <i>Journal of Chemical Physics</i> , 2000, 113, 5134.	1.2	30
108	Photolysis and Spectroscopy of Vibrationally Excited C-H Overtones of CHFCl ₂ . <i>Journal of Physical Chemistry A</i> , 2000, 104, 7927-7933.	1.1	10

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109	Alteration of Cl spin-orbit branching ratios via photodissociation of pre-excited fundamental CH ₃ stretch of CH ₃ CFCl ₂ . Chemical Physics Letters, 1999, 315, 421-427.	1.2	18
110	Dinitrobenzene detection by use of one-color laser photolysis and laser-induced fluorescence of vibrationally excited NO. Applied Optics, 1999, 38, 4705.	2.1	34
111	Nitrobenzene Detection by One-Color Laser-Photolysis/Laser-Induced Fluorescence of NO ($\nu=0=3$). Applied Spectroscopy, 1999, 53, 57-64.	1.2	38
112	Enhanced action spectra of combination bands of acetylene via vibrationally mediated photodissociation and fragment ionization. Chemical Physics Letters, 1998, 287, 347-352.	1.2	25
113	Combination bands versus overtone stretch excitation and rotational effects in vibrationally mediated photodissociation of acetylene. Journal of Chemical Physics, 1998, 109, 8959-8967.	1.2	31
114	CHF ₂ Cl and CH ₃ CF ₂ Cl Detection by Coherent Anti-Stokes Raman Scattering and Photoacoustic Raman Spectroscopy. Journal of Physical Chemistry A, 1998, 102, 7273-7276.	1.1	12
115	State-selective dissociation of acetylene isotopomers. , 1998, , .		0
116	Novel effects in inorganic As _[sub 50] Se _[sub 50] photoresists and their application in micro-optics. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1997, 15, 823.	1.6	32
117	C-Cl and C-H bond cleavage in 193 nm photodissociation of CH ₃ CF ₂ Cl and CH ₃ CFCl ₂ . Journal of Chemical Physics, 1997, 107, 8476-8482.	1.2	21
118	Photodissociation of rovibrationally excited C ₂ H ₂ : Observation of two pathways. Journal of Chemical Physics, 1997, 107, 385-391.	1.2	33
119	The Photodissociation of Ground and Vibrationally Excited Halogenated Alkanes. Israel Journal of Chemistry, 1997, 37, 455-465.	1.0	16
120	Rotational-state dependent selectivity in the bond fission of C ₂ H ₂ ($5\frac{1}{2}$). Chemical Physics Letters, 1997, 268, 163-168.	1.2	46
121	Spectroscopy of D ₂ O (2,0,1). Journal of Molecular Spectroscopy, 1996, 180, 298-304.	0.4	7
122	Laser-induced phenomena in chalcogenide glassy films. Applied Surface Science, 1996, 106, 502-506.	3.1	13
123	Photodissociation of CHF ₂ Cl at 193 nm: H/Cl and Cl(2P _{1/2})/Cl(2P _{3/2}) Branching Ratios. The Journal of Physical Chemistry, 1996, 100, 13375-13380.	2.9	20
124	<title>Films of chalcogenide glasses as perspective materials for optical information recording</title>. , 1995, , .		9
125	Absolute rate constants, reactive cross-sections and isotopic branching ratio for the reaction of O(1D) with HD. Chemical Physics Letters, 1995, 236, 343-349.	1.2	51
126	State-resolved dynamics of the O(1D) + CHF ₂ Cl $\hat{\rightarrow}$ OH + CF ₂ Cl reaction. Chemical Physics Letters, 1995, 247, 321-326.	1.2	6

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127	Photodissociation of HOD ($\hat{v}_{1/2}OD=3$): Demonstration of preferential O-H bond breaking. Journal of Chemical Physics, 1995, 102, 3612-3616.	1.2	63
128	Real-time measurement and control of particle-number density and size of the detonation products of lead azide. Applied Physics B: Lasers and Optics, 1994, 59, 45-52.	1.1	3
129	State-selected photodissociation of D2O. Chemical Physics Letters, 1994, 228, 426-430.	1.2	11
130	Rotationally mediated vector correlations in the photodissociation of H2O (1,0,0). Chemical Physics, 1994, 187, 21-33.	0.9	14
131	Photodissociation from an in-plane rotation in water as a direct probe of dynamics. Journal of Photochemistry and Photobiology A: Chemistry, 1994, 80, 23-32.	2.0	4
132	Utilization of stimulated Raman excitation and coherent anti-stokes Raman scattering in studies of bond- and mode-selective chemistry. European Physical Journal Special Topics, 1994, 04, C4-725-C4-728.	0.2	1
133	Absolute rate constants and reactive cross sections for the reactions of O(1D) with molecular hydrogen and deuterium. Chemical Physics Letters, 1993, 214, 546-552.	1.2	49
134	Doppler polarization spectroscopy of the photofragments from an in-plane rotation of water: demonstration of unperturbed vector correlations. The Journal of Physical Chemistry, 1993, 97, 11571-11574.	2.9	12
135	Control of fragment alignment via photodissociation from different types of parent rotation. Journal of Chemical Physics, 1993, 99, 4218-4221.	1.2	14
136	Dynamics of the detonation products of lead azide. IV. Laser shadowgraphy of expanding species. Journal of Applied Physics, 1993, 74, 5360-5365.	1.1	2
137	State-to-state photodissociation of the fundamental symmetric stretch vibration of water prepared by stimulated Raman excitation. Journal of Chemical Physics, 1993, 98, 409-419.	1.2	32
138	Dynamics of the detonation products of lead azide. II. Formation of charged particles. Journal of Applied Physics, 1993, 73, 2138-2144.	1.1	7
139	Dynamics of the detonation products of lead azide: III. Laser-induced hole burning and flow visualization. Journal of Applied Physics, 1993, 74, 45-52.	1.1	3
140	The sudden expansion of a gas cloud into vacuum revisited. Physics of Fluids A, Fluid Dynamics, 1993, 5, 3265-3272.	1.6	9
141	<title>Photoresists based on chalcogenide glasses for submicron lithography</title>. , 1993, 1972, 251.		2
142	Dynamics of the detonation products of lead azide. I. Hydrodynamics. Journal of Applied Physics, 1992, 71, 4693-4708.	1.1	10
143	Laser-induced hole-burning and flow visualization in the cloud of products of detonated lead azide. Applied Physics Letters, 1992, 61, 1281-1283.	1.5	3
144	Coherent Anti-Stokes Raman Spectroscopy of the Stretching Vibrations of the Water Isotopomers. Applied Spectroscopy, 1992, 46, 1149-1155.	1.2	13

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145	Real time diagnostics of detonation products from lead azide using coherent anti-Stokes Raman scattering. Applied Physics Letters, 1991, 59, 3516-3518.	1.5	22
146	Preferential excitation and enhanced emission of Pb atoms following detonation of lead azide. Applied Physics Letters, 1991, 58, 322-324.	1.5	6
147	Mode-selective bond fission: Comparison between the photodissociation of HOD (0,0,1) and HOD (1,0,0). Journal of Chemical Physics, 1991, 95, 3341-3346.	1.2	77
148	MODE-SPECIFICITY IN PHOTODISSOCIATION OF FUNDAMENTAL STRETCHINGS OF HOD. European Physical Journal Special Topics, 1991, 01, C7-651-C7-654.	0.2	0
149	$\tilde{\nu}_{1/4}$ -V Correlation In One-Colour Photolysis/Ionization Of Tert-Butyl Nitrite. Laser Chemistry, 1990, 10, 197-206.	0.5	3
150	Direct observation of preferential bond fission by excitation of a vibrational fundamental: Photodissociation of HOD (0,0,1). Journal of Chemical Physics, 1990, 93, 2146-2148.	1.2	81
151	Multiple charge reaction cell for studies of primary explosives. Review of Scientific Instruments, 1989, 60, 132-134.	0.6	6
152	Laser photobleaching leads to a fluorescence grade adenosine deaminase. Analytical Biochemistry, 1989, 181, 383-388.	1.1	3
153	Competition between photodissociation and photoionization in alkyl nitrites. International Journal of Mass Spectrometry and Ion Processes, 1988, 82, 319-333.	1.9	1
154	Directional properties in photodissociation: a probe for the symmetry and geometry of excited states of dimethylnitrosamine and tert-butyl nitrite. The Journal of Physical Chemistry, 1987, 91, 5398-5402.	2.9	31
155	Symmetry and geometry of the first two excited singlet states of dimethylnitrosoamine studied by vector correlations. Journal of Chemical Physics, 1987, 86, 1639-1640.	1.2	21
156	Modification of crystal packing and molecular conformation via systematic substitution. Tetrahedron, 1987, 43, 1299-1305.	1.0	23
157	Rotational alignment and non-statistical a doublet population in no following (CH ₃) ₃ CONO photodissociation. Chemical Physics Letters, 1986, 128, 123-126.	1.2	32
158	Conformational Polymorphism VI: The Crystal and Molecular Structures of Form II, Form 111, and Form V of 4-Amino-N-2-pyridinylbenzenesulfonamide (Sulfapyridine). Journal of Pharmaceutical Sciences, 1985, 74, 255-263.	1.6	59
159	Photodissociation of t-butyl nitrite by UV and blue photons. Chemical Physics Letters, 1984, 109, 296-300.	1.2	10
160	Conformational polymorphism. 5. Crystal energetics of an isomorphic system including disorder. The Journal of Physical Chemistry, 1984, 88, 243-248.	2.9	29
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