

Richard James Saykally

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1888961/publications.pdf>

Version: 2024-02-01

274
papers

27,279
citations

12597

71
h-index

7043

159
g-index

277
all docs

277
docs citations

277
times ranked

25482
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing Anion Adsorption to Aqueous Interfaces: Toluene-Water versus Air-Water. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 222-228.	2.1	5
2	Catalytic Mechanism of Interfacial Water in the Cycloaddition of Quadricyclane and Diethyl Azodicarboxylate. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3026-3030.	2.1	3
3	Rydberg States of H ₃ and HeH as Potential Coolants for Primordial Star Formation. <i>Journal of Physical Chemistry A</i> , 2021, 125, 4267-4275.	1.1	1
4	Angstrom-Resolved Interfacial Structure in Buried Organic-Inorganic Junctions. <i>Physical Review Letters</i> , 2021, 127, 096801.	2.9	14
5	Molecular Properties and Chemical Transformations Near Interfaces. <i>Journal of Physical Chemistry B</i> , 2021, 125, 9037-9051.	1.2	17
6	Revisiting the $\tilde{\nu}_1$ transition of the nitrite ion at the air/water interface: A combined experimental and theoretical study. <i>Chemical Physics Letters</i> , 2020, 751, 137516.	1.2	3
7	Free Electron Laser Measurement of Liquid Carbon Reflectivity in the Extreme Ultraviolet. <i>Photonics</i> , 2020, 7, 35.	0.9	0
8	New Insights into the Charge-Transfer-to-Solvent Spectrum of Aqueous Iodide: Surface versus Bulk. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1656-1661.	2.1	18
9	The liquid state of carbon. <i>Chemical Physics Letters</i> , 2020, 749, 137341.	1.2	9
10	Early time dynamics of laser-ablated silicon using ultrafast grazing incidence X-ray scattering. <i>Chemical Physics Letters</i> , 2019, 736, 136811.	1.2	3
11	Dynamics of Micropollutant Adsorption to Polystyrene Surfaces Probed by Angle-Resolved Second Harmonic Scattering. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14362-14369.	1.5	11
12	Terahertz VRT spectroscopy of the water hexamer-d ₁₂ prism: Dramatic enhancement of bifurcation tunneling upon librational excitation. <i>Journal of Chemical Physics</i> , 2018, 148, .	1.2	9
13	The water dimer II: Theoretical investigations. <i>Chemical Physics Letters</i> , 2018, 700, 163-175.	1.2	82
14	Two-photon absorption of soft X-ray free electron laser radiation by graphite near the carbon K-absorption edge. <i>Chemical Physics Letters</i> , 2018, 703, 112-116.	1.2	9
15	Charge-Transfer-to-Solvent Spectrum of Thiocyanate at the Air/Water Interface Measured by Broadband Deep Ultraviolet Electronic Sum Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4753-4757.	2.1	28
16	Terahertz VRT Spectroscopy of the Water Hexamer-h ₁₂ Cage: Dramatic Libration-Induced Enhancement of Hydrogen Bond Tunneling Dynamics. <i>Journal of Physical Chemistry A</i> , 2018, 122, 7421-7426.	1.1	6
17	Hydrogen bond breaking dynamics in the water pentamer: Terahertz VRT spectroscopy of a 20 μ m libration. <i>Journal of Chemical Physics</i> , 2017, 146, 014306.	1.2	15
18	Surprising Effects of Hydrochloric Acid on the Water Evaporation Coefficient Observed by Raman Thermometry. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4420-4425.	1.5	25

#	ARTICLE	IF	CITATIONS
19	Reversed interfacial fractionation of carbonate and bicarbonate evidenced by X-ray photoemission spectroscopy. <i>Journal of Chemical Physics</i> , 2017, 146, .	1.2	21
20	Mechanism of ion adsorption to aqueous interfaces: Graphene/water vs. air/water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13369-13373.	3.3	84
21	Hydrogen bond network rearrangement dynamics in water clusters: Effects of intermolecular vibrational excitation on tunneling rates. <i>Journal of Chemical Physics</i> , 2017, 147, 064301.	1.2	22
22	Soft X-ray Absorption Spectroscopy of Liquids and Solutions. <i>Chemical Reviews</i> , 2017, 117, 13909-13934.	23.0	103
23	Communication: Hydrogen bonding interactions in water-alcohol mixtures from X-ray absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2016, 144, 191103.	1.2	62
24	Hydrogen and Electric Power Generation from Liquid Microjets: Design Principles for Optimizing Conversion Efficiency. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14513-14521.	1.5	13
25	Broadband Deep UV Spectra of Interfacial Aqueous Iodide. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3882-3885.	2.1	19
26	Structure and torsional dynamics of the water octamer from THz laser spectroscopy near 215 $\hat{1}$ / ₄ m. <i>Science</i> , 2016, 352, 1194-1197.	6.0	82
27	THz QCLs for heterodyne receivers and wavelength modulation spectroscopy. , 2016, , .		0
28	Far-infrared VRT spectroscopy of the water dimer: Characterization of the 20 $\hat{1}$ / ₄ m out-of-plane librational vibration. <i>Journal of Chemical Physics</i> , 2015, 143, 154306.	1.2	28
29	Mid-IR laser action in the H3 Rydberg molecule and some possible astrophysical implications. , 2015, , .		1
30	Properties of aqueous nitrate and nitrite from x-ray absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2015, 143, 084503.	1.2	30
31	The water dimer I: Experimental characterization. <i>Chemical Physics Letters</i> , 2015, 633, 13-26.	1.2	124
32	The hydration structure of dissolved carbon dioxide from X-ray absorption spectroscopy. <i>Chemical Physics Letters</i> , 2015, 633, 214-217.	1.2	16
33	A Terahertz VRT spectrometer employing quantum cascade lasers. <i>Chemical Physics Letters</i> , 2015, 638, 144-148.	1.2	7
34	Thermally driven electrokinetic energy conversion with liquid water microjets. <i>Chemical Physics Letters</i> , 2015, 640, 172-174.	1.2	3
35	Electrokinetic detection for X-ray spectra of weakly interacting liquids: n-decane and n-nonane. <i>Journal of Chemical Physics</i> , 2014, 140, 234202.	1.2	7
36	Terahertz spectroscopy of water clusters. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	X-Ray absorption spectroscopy of LiBF ₄ in propylene carbonate: a model lithium ion battery electrolyte. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23568-23575.	1.3	46
38	Terahertz vibration-rotation-tunneling spectroscopy of the propane-water dimer: The ortho-state of a 20 cm ⁻¹ torsion. <i>Chemical Physics Letters</i> , 2014, 612, 167-171.	1.2	5
39	The hydration structure of aqueous carbonic acid from X-ray absorption spectroscopy. <i>Chemical Physics Letters</i> , 2014, 614, 282-286.	1.2	22
40	Investigation of Terahertz Vibration-Rotation Tunneling Spectra for the Water Octamer. <i>Journal of Physical Chemistry A</i> , 2013, 117, 6960-6966.	1.1	52
41	Cation-cation contact pairing in water: Guanidinium. <i>Journal of Chemical Physics</i> , 2013, 139, 035104.	1.2	62
42	Evaporation kinetics of aqueous acetic acid droplets: effects of soluble organic aerosol components on the mechanism of water evaporation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11634.	1.3	24
43	Two sides of the acid-base story. <i>Nature Chemistry</i> , 2013, 5, 82-84.	6.6	74
44	Exploring Solid/Aqueous Interfaces with Ultradilute Electrokinetic Analysis of Liquid Microjets. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12702-12706.	1.5	13
45	Elucidating the mechanism of selective ion adsorption to the liquid water surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 701-705.	3.3	202
46	Pinning Down the Water Hexamer. <i>Science</i> , 2012, 336, 814-815.	6.0	63
47	Strong surface adsorption of aqueous sodium nitrite as an ion pair. <i>Chemical Physics Letters</i> , 2012, 519-520, 45-48.	1.2	22
48	Electronic structure of aqueous borohydride: a potential hydrogen storage medium. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17077.	1.3	14
49	Behavior of Î²-Amyloid 1-16 at the Air-Water Interface at Varying pH by Nonlinear Spectroscopy and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry A</i> , 2011, 115, 5873-5880.	1.1	12
50	On the hydration and hydrolysis of carbon dioxide. <i>Chemical Physics Letters</i> , 2011, 514, 187-195.	1.2	119
51	pH-dependent x-ray absorption spectra of aqueous boron oxides. <i>Journal of Chemical Physics</i> , 2011, 134, 154503.	1.2	39
52	Special issue devoted to molecular complexes in our atmosphere and beyond. <i>Molecular Physics</i> , 2010, 108, 2153-2153.	0.8	7
53	Nanowire dye-sensitized solar cells. , 2010, , 75-79.		3
54	Exciton Dynamics in CdS ₂ Nanorods with Tunable Composition Probed by Ultrafast Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5879-5885.	1.5	50

#	ARTICLE	IF	CITATIONS
55	Soft X-ray absorption spectra of aqueous salt solutions with highly charged cations in liquid microjets. <i>Chemical Physics Letters</i> , 2010, 493, 94-96.	1.2	7
56	Communication: Near edge x-ray absorption fine structure spectroscopy of aqueous adenosine triphosphate at the carbon and nitrogen K-edges. <i>Journal of Chemical Physics</i> , 2010, 133, 101103.	1.2	30
57	Investigation of protein conformation and interactions with salts via X-ray absorption spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 14008-14013.	3.3	35
58	Importance of Electronic Relaxation for Inter-Coulombic Decay in Aqueous Systems. <i>Physical Review Letters</i> , 2010, 105, 198102.	2.9	21
59	Nuclear quantum effects in the structure and lineshapes of the N2 near-edge x-ray absorption fine structure spectrum. <i>Journal of Chemical Physics</i> , 2010, 132, 094302.	1.2	13
60	An analysis of the NEXAFS spectra of a molecular crystal: β -glycine. <i>Journal of Chemical Physics</i> , 2010, 133, 044507.	1.2	19
61	The structure of ambient water. <i>Molecular Physics</i> , 2010, 108, 1415-1433.	0.8	209
62	Monopeptide versus Mono-peptoid: Insights on Structure and Hydration of Aqueous Alanine and Sarcosine via X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4702-4709.	1.2	13
63	Effect of Surface Active Ions on the Rate of Water Evaporation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11880-11885.	1.5	24
64	Measurement of Bromide Ion Affinities for the Air/Water and Dodecanol/Water Interfaces at Molar Concentrations by UV Second Harmonic Generation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13746-13751.	1.5	37
65	Adsorption of thiocyanate ions to the dodecanol/water interface characterized by UV second harmonic generation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15176-15180.	3.3	61
66	On the evaporation of ammonium sulfate solution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18897-18901.	3.3	26
67	On the importance of nuclear quantum motions in near edge x-ray absorption fine structure spectroscopy of molecules. <i>Journal of Chemical Physics</i> , 2009, 130, 184109.	1.2	39
68	On the interfacial and dynamical properties of the hydroxide ion. <i>Chemical Physics Letters</i> , 2009, 481, 1.	1.2	8
69	Hydration of Alkaline Earth Metal Dications: Effects of Metal Ion Size Determined Using Infrared Action Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 13270-13277.	6.6	72
70	Auto-oligomerization and hydration of pyrrole revealed by x-ray absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2009, 131, 114509.	1.2	20
71	Resonant UV SHG Studies of Ion Adsorption at Aqueous Interfaces. , 2009, , .		0
72	Is the liquid water surface basic or acidic? Macroscopic vs. molecular-scale investigations. <i>Chemical Physics Letters</i> , 2008, 458, 255-261.	1.2	192

#	ARTICLE	IF	CITATIONS
73	On the role of molecular clustering on infrared absorption line shapes of acetylene in a supersonic expansion. <i>Chemical Physics Letters</i> , 2008, 463, 345-348.	1.2	15
74	Effects of vibrational motion on core-level spectra of prototype organic molecules. <i>Chemical Physics Letters</i> , 2008, 467, 195-199.	1.2	49
75	Effects of Alkaline Earth Metal Ion Complexation on Amino Acid Zwitterion Stability: Results from Infrared Action Spectroscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 6463-6471.	6.6	166
76	Infrared Action Spectra of Ca ²⁺ (H ₂ O) ₁₁ Exhibit Spectral Signatures for Condensed-Phase Structures with Increasing Cluster Size. <i>Journal of the American Chemical Society</i> , 2008, 130, 15482-15489.	6.6	79
77	Reactivity and Infrared Spectroscopy of Gaseous Hydrated Trivalent Metal Ions. <i>Journal of the American Chemical Society</i> , 2008, 130, 9122-9128.	6.6	61
78	Electrokinetic Power Generation from Liquid Water Microjets. <i>Journal of Physical Chemistry C</i> , 2008, 112, 17018-17022.	1.5	58
79	Alkali Metal Ion Binding to Glutamine and Glutamine Derivatives Investigated by Infrared Action Spectroscopy and Theory. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8578-8584.	1.1	60
80	Characterization of selective binding of alkali cations with carboxylate by x-ray absorption spectroscopy of liquid microjets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6809-6812.	3.3	121
81	Revisiting the total ion yield x-ray absorption spectra of liquid water microjets. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 205105.	0.7	33
82	Terahertz vibration-rotation-tunneling spectroscopy of the water tetramer-d ₈ : Combined analysis of vibrational bands at 4.1 and 2.0THz. <i>Journal of Chemical Physics</i> , 2008, 128, 094302.	1.2	14
83	Chirped coherent anti-Stokes Raman scattering as a high-spectral- and spatial-resolution microscopy. <i>Optics Letters</i> , 2007, 32, 2858.	1.7	17
84	Infrared Spectroscopy of Cationized Lysine and μ -N-methyllysine in the Gas Phase: Effects of Alkali-Metal Ion Size and Proton Affinity on Zwitterion Stability. <i>Journal of Physical Chemistry A</i> , 2007, 111, 7753-7760.	1.1	108
85	Infrared Spectroscopy of Cationized Arginine in the Gas Phase: Direct Evidence for the Transition from Nonzwitterionic to Zwitterionic Structure. <i>Journal of the American Chemical Society</i> , 2007, 129, 1612-1622.	6.6	189
86	One Water Molecule Stabilizes the Cationized Arginine Zwitterion. <i>Journal of the American Chemical Society</i> , 2007, 129, 13544-13553.	6.6	109
87	The Effects of Dissolved Halide Anions on Hydrogen Bonding in Liquid Water. <i>Journal of the American Chemical Society</i> , 2007, 129, 13847-13856.	6.6	416
88	Terahertz Vibration~Rotation~Tunneling Spectroscopy of the Ammonia Dimer. II. States of an Out-of-Plane Vibration and an In-Plane Vibration. <i>Journal of Physical Chemistry A</i> , 2007, 111, 9680-9687.	1.1	4
89	Evidence for Water Rings in the Hexahydrated Sulfate Dianion from IR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2007, 129, 2220-2221.	6.6	89
90	Interpreting the H/D Isotope Fractionation of Liquid Water during Evaporation without Condensation. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7011-7020.	1.5	30

#	ARTICLE	IF	CITATIONS
91	Electrokinetic Hydrogen Generation from Liquid Water Microjets. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12031-12037.	1.5	42
92	Nature of the Aqueous Hydroxide Ion Probed by X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2007, 111, 4776-4785.	1.1	63
93	Hydration of the Calcium Dication: Direct Evidence for Second Shell Formation from Infrared Spectroscopy. <i>ChemPhysChem</i> , 2007, 8, 2245-2253.	1.0	85
94	Observation of nitrate ions at the air/water interface by UV-second harmonic generation. <i>Chemical Physics Letters</i> , 2007, 449, 261-265.	1.2	58
95	Tunable nanowire nonlinear optical probe. <i>Nature</i> , 2007, 447, 1098-1101.	13.7	544
96	Evidence for an Enhanced Proton Concentration at the Liquid Water Surface from SHG Spectroscopy. , 2007, , .		0
97	ON THE NATURE OF IONS AT THE LIQUID WATER SURFACE. <i>Annual Review of Physical Chemistry</i> , 2006, 57, 333-364.	4.8	416
98	Probing the Local Structure of Liquid Water by X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20038-20045.	1.2	91
99	Effects of Cations on the Hydrogen Bond Network of Liquid Water: A New Results from X-ray Absorption Spectroscopy of Liquid Microjets. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5301-5309.	1.2	119
100	Comment on "Interfacial pH at an Isolated Silica-Water Surface". <i>Journal of Physical Chemistry B</i> , 2006, 110, 15037-15038.	1.2	6
101	Raman Thermometry Measurements of Free Evaporation from Liquid Water Droplets. <i>Journal of the American Chemical Society</i> , 2006, 128, 12892-12898.	6.6	150
102	The Electronic Structure of the Hydrated Proton: A Comparative X-ray Absorption Study of Aqueous HCl and NaCl Solutions. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1166-1171.	1.2	44
103	Probing the Interfacial Structure of Aqueous Electrolytes with Femtosecond Second Harmonic Generation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006, 110, 14060-14073.	1.2	137
104	Terahertz Vibration-Rotation-Tunneling Spectroscopy of the Ammonia Dimer: Characterization of an out of Plane Vibration. <i>Journal of Physical Chemistry A</i> , 2006, 110, 8011-8016.	1.1	6
105	Terahertz vibration-rotation-tunneling (VRT) spectroscopy of the d6-water trimer: Complete characterization of the 2.94THz torsional band ($k_B = \pm 21 \pm 00$). <i>Chemical Physics Letters</i> , 2006, 423, 344-351.	1.2	13
106	Formation of hydrated triply charged metal ions from aqueous solutions using nanodrop mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2006, 253, 256-262.	0.7	55
107	Chirped Coherent Anti-Stokes Raman Scattering for High Spectral Resolution Spectroscopy and Chemically Selective Imaging. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5854-5864.	1.2	47
108	Single-molecule dynamics of phytochrome-bound fluorophores probed by fluorescence correlation spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11136-11141.	3.3	31

#	ARTICLE	IF	CITATIONS
109	Terahertz laser velocity modulation spectroscopy of ions. <i>Journal of Molecular Spectroscopy</i> , 2005, 231, 145-153.	0.4	13
110	Femtosecond Spectroscopy of Carrier Relaxation Dynamics in Type II CdSe/CdTe Tetrapod Heteronanostructures. <i>Nano Letters</i> , 2005, 5, 1809-1813.	4.5	148
111	Nanowire dye-sensitized solar cells. <i>Nature Materials</i> , 2005, 4, 455-459.	13.3	5,232
112	Velocity Modulation Spectroscopy of Ions. <i>ChemInform</i> , 2005, 36, no.	0.1	0
113	Unified description of temperature-dependent hydrogen-bond rearrangements in liquid water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14171-14174.	3.3	369
114	Effects of Alkali Metal Halide Salts on the Hydrogen Bond Network of Liquid Water. <i>Journal of Physical Chemistry B</i> , 2005, 109, 7046-7052.	1.2	159
115	Optical routing and sensing with nanowire assemblies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7800-7805.	3.3	224
116	Velocity Modulation Spectroscopy of Ions. <i>Chemical Reviews</i> , 2005, 105, 3220-3234.	23.0	53
117	Isotope Fractionation of Water during Evaporation without Condensation. <i>Journal of Physical Chemistry B</i> , 2005, 109, 24391-24400.	1.2	49
118	Water Pentamer: Characterization of the Torsional-Puckering Manifold by Terahertz VRT Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2005, 109, 6483-6497.	1.1	37
119	Enhanced Concentration of Polarizable Anions at the Liquid Water Surface: SHG Spectroscopy and MD Simulations of Sodium Thiocyanide. <i>Journal of Physical Chemistry B</i> , 2005, 109, 10915-10921.	1.2	175
120	Evidence for an Enhanced Hydronium Concentration at the Liquid Water Surface. <i>Journal of Physical Chemistry B</i> , 2005, 109, 7976-7980.	1.2	226
121	Femtosecond Spectroscopy of Carrier Relaxation Dynamics in Type II CdSe/CdTe Tetrapod Heteronanostructures. <i>Nano Letters</i> , 2005, 5, 2651-2651.	4.5	6
122	Adsorption of Ions to the Surface of Dilute Electrolyte Solutions: The Jones-Ray Effect Revisited. <i>Journal of the American Chemical Society</i> , 2005, 127, 15446-15452.	6.6	125
123	Infrared Cavity Ringdown Spectroscopy of Jet-Cooled Polycyclic Aromatic Hydrocarbons. <i>ChemPhysChem</i> , 2004, 5, 321-326.	1.0	31
124	High spectral resolution multiplex CARS spectroscopy using chirped pulses. <i>Chemical Physics Letters</i> , 2004, 387, 436-441.	1.2	96
125	Direct experimental validation of the Jones-Ray effect. <i>Chemical Physics Letters</i> , 2004, 397, 46-50.	1.2	168
126	Confirmation of enhanced anion concentration at the liquid water surface. <i>Chemical Physics Letters</i> , 2004, 397, 51-55.	1.2	178

#	ARTICLE	IF	CITATIONS
127	Infrared Cavity Ringdown Spectroscopy of Jet-Cooled Nucleotide Base Clusters and Water Complexes. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10989-10996.	1.1	44
128	High-spectral-resolution multiplex CARS spectroscopy using chirped pulses. , 2004, , .		1
129	Nanoribbon Waveguides for Subwavelength Photonics Integration. <i>Science</i> , 2004, 305, 1269-1273.	6.0	879
130	Energetics of Hydrogen Bond Network Rearrangements in Liquid Water. <i>Science</i> , 2004, 306, 851-853.	6.0	476
131	Ultrafast Carrier Dynamics in Single ZnO Nanowire and Nanoribbon Lasers. <i>Nano Letters</i> , 2004, 4, 197-204.	4.5	319
132	Optical Cavity Effects in ZnO Nanowire Lasers and Waveguides. <i>Journal of Physical Chemistry B</i> , 2003, 107, 8816-8828.	1.2	602
133	Time-Resolved Second Harmonic Generation Near-Field Scanning Optical Microscopy. <i>ChemPhysChem</i> , 2003, 4, 1243-1247.	1.0	11
134	Low-Temperature Wafer-Scale Production of ZnO Nanowire Arrays.. <i>ChemInform</i> , 2003, 34, no.	0.1	2
135	The Water Trimer. <i>ChemInform</i> , 2003, 34, no.	0.1	0
136	Low-Temperature Wafer-Scale Production of ZnO Nanowire Arrays. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3031-3034.	7.2	1,562
137	A re-examination of the 4051 Å... band of C3 using cavity ringdown spectroscopy of a supersonic plasma. <i>Chemical Physics Letters</i> , 2003, 374, 583-586.	1.2	21
138	The Water Trimer. <i>Chemical Reviews</i> , 2003, 103, 2533-2578.	23.0	325
139	Intermolecular Coupling in Nanometric Domains of Light-Harvesting Dendrimer Films Studied by Photoluminescence Near-Field Scanning Optical Microscopy (PL NSOM). <i>Journal of the American Chemical Society</i> , 2003, 125, 536-540.	6.6	31
140	CHEMISTRY: Building Solutions–One Molecule at a Time. <i>Science</i> , 2003, 299, 1329-1330.	6.0	44
141	Dendritic Nanowire Ultraviolet Laser Array. <i>Journal of the American Chemical Society</i> , 2003, 125, 4728-4729.	6.6	577
142	Self-Organized GaN Quantum Wire UV Lasers. <i>Journal of Physical Chemistry B</i> , 2003, 107, 8721-8725.	1.2	281
143	Water dimer hydrogen bond stretch, donor torsion overtone, and α -in-plane bend vibrations. <i>Journal of Chemical Physics</i> , 2003, 119, 8927-8937.	1.2	76
144	Infrared cavity ringdown spectroscopy of acid water clusters: $\text{HCl}\cdot\text{H}_2\text{O}$, $\text{DCl}\cdot\text{D}_2\text{O}$, and $\text{DCl}\cdot(\text{D}_2\text{O})_2$. <i>Journal of Chemical Physics</i> , 2003, 118, 1221-1229.	1.2	57

#	ARTICLE	IF	CITATIONS
145	Complete characterization of the water dimer vibrational ground state and testing the VRT(ASP-W)III, SAPT-5st, and VRT(MCY-5f) surfaces. <i>Molecular Physics</i> , 2003, 101, 3477-3492.	0.8	59
146	<title>Single nanowire lasers and waveguides</title>. , 2003, 5223, 187.		6
147	Characterization of Domain Ordering in Polymer and Dendrimer Thin Films Using Photoluminescence and Third Harmonic Generation (THG) Near-field Scanning Optical Microscopy (NSOM). <i>Japanese Journal of Applied Physics</i> , 2003, 42, 4799-4803.	0.8	2
148	Poled polymer thin film gratings studied by near-field second harmonic optical microscopy and far-field optical diffraction. , 2003, , .		1
149	An ion beam reflectron/single-photon infrared emission spectrometer for the study of gas-phase polycyclic aromatic hydrocarbon ions: Testing proposed carriers of the unidentified infrared emission bands. <i>Review of Scientific Instruments</i> , 2003, 74, 2488-2494.	0.6	10
150	Determination of a flexible (12D) water dimer potential via direct inversion of spectroscopic data. <i>Journal of Chemical Physics</i> , 2002, 117, 8710-8722.	1.2	129
151	Nanoscale interchain aggregate domain formation in conjugated polymer films studied by third harmonic generation near-field scanning optical microscopy. <i>Journal of Chemical Physics</i> , 2002, 117, 6688-6698.	1.2	43
152	Bifurcation tunneling dynamics in the water trimer. <i>Journal of Chemical Physics</i> , 2002, 117, 8823-8835.	1.2	35
153	High resolution pulsed infrared cavity ringdown spectroscopy: Application to laser ablated carbon clusters. <i>Journal of Chemical Physics</i> , 2002, 116, 6640-6647.	1.2	17
154	Characterization of biological structures with nonlinear chemical imaging nanomicroscopy. , 2002, 4633, 62.		0
155	Single-Photon Infrared Emission Spectroscopy of Gaseous Polycyclic Aromatic Hydrocarbon Cations: A Direct Test for Proposed Carriers of the Unidentified Infrared Emission Bands. <i>Astrophysical Journal, Supplement Series</i> , 2002, 143, 455-467.	3.0	47
156	Characterization of gas-phase HCl-H ₂ O clusters using pulsed infrared cavity ringdown spectroscopy. , 2002, , .		1
157	Near-Field Imaging of Nonlinear Optical Mixing in Single Zinc Oxide Nanowires. <i>Nano Letters</i> , 2002, 2, 279-283.	4.5	305
158	Nonlinear Chemical Imaging Nanomicroscopy: From Second and Third Harmonic Generation to Multiplex (Broad-Bandwidth) Sum Frequency Generation Near-Field Scanning Optical Microscopy. <i>Journal of Physical Chemistry B</i> , 2002, 106, 5143-5154.	1.2	78
159	Chemically Selective Imaging of Subcellular Structure in Human Hepatocytes with Coherent Anti-Stokes Raman Scattering (CARS) Near-Field Scanning Optical Microscopy (NSOM). <i>Journal of Physical Chemistry B</i> , 2002, 106, 8489-8492.	1.2	51
160	Cavity-Ringdown Spectroscopy Studies of the B ₂ Σ ⁺ +Σ ⁺ System of AlO. <i>ChemPhysChem</i> , 2002, 3, 364-366.	1.0	10
161	Single gallium nitride nanowire lasers. <i>Nature Materials</i> , 2002, 1, 106-110.	13.3	1,144
162	The Nature of Interchain Excitations in Conjugated Polymers: Spatially-Varying Interfacial Solvatochromism of Annealed MEH-PPV Films Studied by Near-Field Scanning Optical Microscopy (NSOM). <i>Journal of Physical Chemistry B</i> , 2002, 106, 9496-9506.	1.2	57

#	ARTICLE	IF	CITATIONS
163	Single Nanowire Lasers. <i>Journal of Physical Chemistry B</i> , 2001, 105, 11387-11390.	1.2	425
164	Terahertz vibration-rotation-tunneling spectroscopy of water clusters in the translational band region of liquid water. <i>Journal of Chemical Physics</i> , 2001, 114, 3994-4004.	1.2	40
165	The 583.2 GHz torsional hot-band of (D ₂ O) ₃ . <i>Journal of Chemical Physics</i> , 2001, 114, 3988-3993.	1.2	19
166	Complete characterization of the (D ₂ O) ₂ ground state: High Ka rotation-tunneling levels. <i>Faraday Discussions</i> , 2001, 118, 79-93.	1.6	9
167	Near-Field Infrared Sum-Frequency Generation Imaging of Chemical Vapor Deposited Zinc Selenide. <i>Langmuir</i> , 2001, 17, 2055-2058.	1.6	32
168	High Spatial Resolution Imaging with Near-Field Scanning Optical Microscopy in Liquids. <i>Analytical Chemistry</i> , 2001, 73, 5015-5019.	3.2	17
169	Water Dimers in the Atmosphere: Equilibrium Constant for Water Dimerization from the VRT(ASP-W) Potential Surface. <i>Journal of Physical Chemistry A</i> , 2001, 105, 515-519.	1.1	85
170	Near-Field Scanning Optical Microscopy (NSOM) Studies of the Relationship between Interchain Interactions, Morphology, Photodamage, and Energy Transport in Conjugated Polymer Films. <i>Journal of Physical Chemistry B</i> , 2001, 105, 5153-5160.	1.2	82
171	Hydrogen Bond Breaking Dynamics of the Water Trimer in the Translational and Librational Band Region of Liquid Water. <i>Journal of the American Chemical Society</i> , 2001, 123, 5938-5941.	6.6	42
172	Rotational Transitions in Excited Vibrational States of D ₂ O. <i>Journal of Molecular Spectroscopy</i> , 2001, 208, 219-223.	0.4	11
173	Detection of the Linear Carbon Cluster C ₁₀ : Rotationally Resolved Diode-Laser Spectroscopy. <i>ChemPhysChem</i> , 2001, 2, 242-247.	1.0	14
174	Infrared water recombination lasers. <i>Chemical Physics Letters</i> , 2001, 338, 277-284.	1.2	13
175	Far-infrared laser vibration-rotation-tunneling spectroscopy of water clusters in the librational band region of liquid water. <i>Journal of Chemical Physics</i> , 2001, 114, 4005-4015.	1.2	34
176	Hydrogen Bonding in Alcohol Clusters: A Comparative Study by Infrared Cavity Ringdown Laser Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2000, 104, 1423-1429.	1.1	105
177	Nonlinear Chemical Imaging Microscopy: Near-Field Third Harmonic Generation Imaging of Human Red Blood Cells. <i>Analytical Chemistry</i> , 2000, 72, 5361-5364.	3.2	38
178	Near-field Second Harmonic Imaging of Granular Membrane Structures in Natural Killer Cells. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5217-5220.	1.2	21
179	Quantitative characterization of the (D ₂ O) ₃ torsional manifold by terahertz laser spectroscopy and theoretical analysis. <i>Journal of Chemical Physics</i> , 1999, 110, 4369-4381.	1.2	53
180	Cavity ringdown spectroscopy search for transition metal dimers. <i>Chemical Physics</i> , 1999, 247, 431-434.	0.9	7

#	ARTICLE	IF	CITATIONS
181	High symmetry effects on hydrogen bond rearrangement: The 4.1 THz vibrational band of (D ₂ O) ₄ . Journal of Chemical Physics, 1999, 111, 7801-7806.	1.2	19
182	Quantitative characterization of the water trimer torsional manifold by terahertz laser spectroscopy and theoretical analysis. II. (H ₂ O) ₃ . Journal of Chemical Physics, 1999, 111, 7789-7800.	1.2	49
183	Positive and Negative Contrast Lithography on Silver Quantum Dot Monolayers. Journal of Physical Chemistry B, 1999, 103, 3524-3528.	1.2	17
184	Terahertz laser vibration-rotation-tunneling spectrum of the water pentamer-d ₁₀ . Chemical Physics Letters, 1998, 292, 667-676.	1.2	18
185	Cavity ringdown laser absorption spectra of tungsten oxide. Chemical Physics Letters, 1998, 295, 285-288.	1.2	19
186	Small Carbon Clusters: Spectroscopy, Structure, and Energetics. Chemical Reviews, 1998, 98, 2313-2358.	23.0	567
187	Fully coupled six-dimensional calculations of the water dimer vibration-rotation-tunneling states with a split Wigner pseudo spectral approach. Journal of Chemical Physics, 1997, 106, 8527-8544.	1.2	161
188	Pseudorotation in Water Trimer Isotopomers Using Terahertz Laser Spectroscopy. Journal of Physical Chemistry A, 1997, 101, 9032-9041.	1.1	100
189	Terahertz Laser Vibration-Rotation Tunneling Spectroscopy of the Water Tetramer. Journal of Physical Chemistry A, 1997, 101, 9022-9031.	1.1	110
190	A long path length pulsed slit valve appropriate for high temperature operation: Infrared spectroscopy of jet-cooled large water clusters and nucleotide bases. Review of Scientific Instruments, 1996, 67, 410-416.	0.6	83
191	CRLAS: A new analytical technique for cluster science. Advances in Metal and Semiconductor Clusters, 1996, , 149-180.	1.5	8
192	Far-infrared VRT spectroscopy of two water trimer isotopomers: vibrationally averaged structures and rearrangement dynamics. Molecular Physics, 1996, 89, 1373-1396.	0.8	28
193	Characterization of silicon-carbon clusters by infrared laser spectroscopy. The ν_1 band of SiC ₄ . Chemical Physics Letters, 1995, 237, 77-80.	1.2	35
194	Cavity ringdown laser absorption spectroscopy of the jet-cooled aluminum dimer. Chemical Physics Letters, 1995, 242, 395-400.	1.2	13
195	Infrared cavity ringdown laser absorption spectroscopy (IR-CRLAS). Chemical Physics Letters, 1995, 245, 273-280.	1.2	106
196	Toward the detection of pure carbon clusters in the ISM. Advances in Space Research, 1995, 15, 25-33.	1.2	5
197	Infrared laser spectroscopy of uracil in a pulsed slit jet. Journal of Chemical Physics, 1995, 103, 9502-9505.	1.2	49
198	Close coupling results for inelastic collisions of NH ₃ and Ar. A stringent test of a spectroscopic potential. Chemical Physics Letters, 1994, 226, 22-26.	1.2	10

#	ARTICLE	IF	CITATIONS
199	Many-Body Effects in Intermolecular Forces. <i>Chemical Reviews</i> , 1994, 94, 1975-1997.	23.0	334
200	Non-additive intermolecular forces from the spectroscopy of van der Waals trimers: far-infrared spectra and calculations on Ar ₂ -DCl. <i>Molecular Physics</i> , 1994, 81, 579-598.	0.8	44
201	Far-infrared vibration-rotation-tunnelling spectroscopy of ArDCl. <i>Molecular Physics</i> , 1993, 79, 245-251.	0.8	11
202	Infrared laser spectroscopy of jet-cooled carbon clusters. <i>Molecular Physics</i> , 1993, 79, 769-776.	0.8	60
203	Far-infrared laser vibration-rotation-tunneling spectroscopy of the propane-water complex: Torsional dynamics of the hydrogen bond. <i>Journal of Chemical Physics</i> , 1993, 99, 7431-7439.	1.2	16
204	The Structures and Vibrational Dynamics of Small Carbon Clusters. , 1993, , 7-21.		9
205	Broadband transient infrared laser spectroscopy of trifluorovinyl radical C ₂ F ₃ .: experimental and ab initio results. <i>The Journal of Physical Chemistry</i> , 1991, 95, 2932-2937.	2.9	9
206	A crystallographic analysis of C ₆₀ (Buckminsterfullerene). <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 775.	2.0	32
207	The $\hat{1}/25$ band of C ₇ . <i>Chemical Physics Letters</i> , 1991, 182, 17-20.	1.2	37
208	Cavity ring down dye laser spectroscopy of jet-cooled metal clusters: Cu ₂ and Cu ₃ . <i>Chemical Physics Letters</i> , 1990, 172, 214-218.	1.2	137
209	Tunable far-infrared laser spectroscopy of van der Waals bonds: the $10\hat{1}00\hat{1}$ bending vibration of Ar- ¹⁴ NH ₃ . <i>Molecular Physics</i> , 1990, 71, 453-460.	0.8	34
210	Organic chemistry of C ₆₀ (buckminsterfullerene): chromatography and osmylation. <i>Journal of Organic Chemistry</i> , 1990, 55, 6250-6252.	1.7	183
211	Tunable far infrared laser spectroscopy of ultracold free radicals. <i>Chemical Physics Letters</i> , 1989, 164, 321-324.	1.2	15
212	Velocity modulation infrared laser spectroscopy of HCS ⁺ : Analysis of hot bands and perturbations. <i>Journal of Molecular Spectroscopy</i> , 1989, 133, 365-382.	0.4	16
213	Laser magnetic resonance rotational spectroscopy of the hydrogen halide molecular ions: H ³⁵ Cl ⁺ and H ³⁷ Cl ⁺ . <i>Journal of Molecular Spectroscopy</i> , 1989, 134, 1-20.	0.4	25
214	Laser magnetic resonance rotational spectroscopy of the hydrogen halide molecular ions: H ⁷⁹ Br ⁺ and H ⁸¹ Br ⁺ . <i>Journal of Molecular Spectroscopy</i> , 1989, 134, 21-31.	0.4	22
215	Far-infrared laser spectroscopy of van der Waals bonds: a powerful new probe of intermolecular forces. <i>Accounts of Chemical Research</i> , 1989, 22, 295-300.	7.6	51
216	Velocity modulation laser spectroscopy of molecular ions. <i>Molecular Physics</i> , 1989, 68, 599-607.	0.8	14

#	ARTICLE	IF	CITATIONS
217	Velocity modulation infrared laser spectroscopy of molecular ions. <i>Molecular Physics</i> , 1989, 66, 1193-1202.	0.8	31
218	Experimental potential functions for open and closed shell molecular ions: Adiabatic and nonadiabatic corrections in $X^3\Sigma^- OH^+$ and $X^1\Sigma^+ ArH^+$. <i>Journal of Molecular Spectroscopy</i> , 1988, 131, 343-366.	0.4	38
219	Non-intrusive measurement of axial electric fields in low-pressure glow discharges by velocity modulation laser spectroscopy. <i>Chemical Physics Letters</i> , 1988, 152, 419-423.	1.2	15
220	A reanalysis of the molecular beam electric resonance Stark effect data for the $a^1\Sigma^+$ state of carbon monoxide. <i>Journal of Chemical Physics</i> , 1988, 89, 2781-2788.	1.2	11
221	Velocity modulation infrared laser spectroscopy of negative ions: The $(011) \leftarrow (001)$ band of azide (N_3^-). <i>Journal of Chemical Physics</i> , 1988, 89, 110-114.	1.2	25
222	Far infrared laser Stark spectroscopy of the $\hat{\nu}_2$ bending vibration of $ArHCl$. <i>Molecular Physics</i> , 1988, 63, 1021-1029.	0.8	24
223	Velocity modulation infrared laser spectroscopy of negative ions: The $\hat{\nu}_2$, $\hat{\nu}_2 + \hat{\nu}_2$, $\hat{\nu}_2 + \hat{\nu}_2$, and $\hat{\nu}_2 + 2\hat{\nu}_2$ bands of cyanate (NCO^-). <i>Journal of Chemical Physics</i> , 1987, 86, 6631-6636.	1.2	44
224	Velocity modulation laser spectroscopy of negative ions: The infrared spectrum of hydrosulfide (SH^-). <i>Journal of Chemical Physics</i> , 1987, 86, 1698-1702.	1.2	33
225	Evidence for a secondary minimum in the $ArHCl$ potential surface from far infrared laser spectroscopy of the lowest $\hat{\nu}_2$ bending vibration. <i>Journal of Chemical Physics</i> , 1987, 86, 5211-5212.	1.2	47
226	An extended study of the lowest $\hat{\nu}_2$ bending vibration \leftarrow rotation spectrum of $ArHCl$ by intracavity far infrared laser/microwave double resonance spectroscopy. <i>Journal of Chemical Physics</i> , 1987, 87, 5149-5155.	1.2	66
227	Velocity modulation diode laser spectroscopy of negative ions: The $\hat{\nu}_2$, $\hat{\nu}_2 + \hat{\nu}_2$, $\hat{\nu}_2 + \hat{\nu}_2$ bands of thiocyanate (NCS^-). <i>Journal of Chemical Physics</i> , 1987, 87, 3352-3356.	1.2	32
228	The microwave spectrum of CO in the $a^1\Sigma^+$ state. I. The $J=0 \leftarrow 1$ transitions in CO, ^{13}CO , and $C^{18}O$. <i>Journal of Chemical Physics</i> , 1987, 87, 6423-6433.	1.2	20
229	The high-resolution far infrared spectrum of a van der Waals stretching vibration: The $\hat{\nu}_2$ band of $ArHCl$. <i>Journal of Chemical Physics</i> , 1987, 87, 5156-5160.	1.2	61
230	Diode laser velocity modulation spectroscopy of carbanions: The CC stretching vibration of C_2H^- . <i>Journal of Chemical Physics</i> , 1987, 87, 1448-1449.	1.2	22
231	Laser magnetic resonance in supersonic plasmas: The rotational spectrum of SH^+ . <i>Journal of Chemical Physics</i> , 1987, 87, 4332-4338.	1.2	31
232	A study of the structure and dynamics of the hydronium ion by high resolution infrared laser spectroscopy. II. The $\hat{\nu}_2$ perpendicular bending mode of H_3O^+ . <i>Journal of Chemical Physics</i> , 1987, 87, 3347-3351.	1.2	59
233	Velocity modulation laser spectroscopy of negative ions. The ν_3 band of azide anion. <i>Journal of the American Chemical Society</i> , 1987, 109, 2884-2887.	6.6	73
234	Electronic absorption spectroscopy of molecular ions in plasmas by dye laser velocity modulation: The $A^1\Sigma^+$ system of N_2^+ . <i>Journal of Chemical Physics</i> , 1987, 87, 898-901.	1.2	41

#	ARTICLE	IF	CITATIONS
235	Tunable far-infrared laser spectroscopy in a planar supersonic jet: The $\hat{1}\hat{2}$ bending vibration of $\text{Ar}^+\text{H}_3\text{Cl}$. Chemical Physics Letters, 1987, 141, 289-291.	1.2	44
236	Vibration-Rotation Spectroscopy of ArHCl by Far-Infrared Laser and Microwave/Far-Infrared Laser Double Resonance Spectroscopy. , 1987, , 85-92.		0
237	Determination of the Born-Oppenheimer potential function of CCl^+ by velocity modulation diode laser spectroscopy. Journal of Chemical Physics, 1986, 85, 6276-6281.	1.2	45
238	Nitrogen quadrupole coupling constants for HCN and H_2CN^+ : Explanation of the absence of fine structure in the microwave spectrum of interstellar H_2CN^+ . Journal of Chemical Physics, 1986, 84, 5711-5714.	1.2	28
239	Measurement of the rotational spectrum of carbon monoxide in its metastable $3D_2$ state by laser magnetic resonance. Molecular Physics, 1986, 58, 735-743.	0.8	16
240	Velocity modulation laser spectroscopy of negative ions: The infrared spectrum of hydroxide (OH^-). Journal of Chemical Physics, 1986, 84, 5308-5313.	1.2	141
241	Velocity modulation laser spectroscopy of vibrationally excited CF^+ determination of the molecular potential function. Chemical Physics Letters, 1986, 125, 165-169.	1.2	46
242	The far-infrared laser magnetic resonance spectrum of the CF radical and determination of ground state parameters. Journal of Molecular Spectroscopy, 1986, 120, 421-434.	0.4	12
243	Vibrational spectroscopy of van der Waals bonds: Measurement of the perpendicular bend of ArHCl by intracavity far infrared laser spectroscopy of a supersonic jet. Journal of Chemical Physics, 1986, 84, 1171-1180.	1.2	87
244	Velocity modulation infrared laser spectroscopy of negative ions: Measurement of the $\hat{1}\hat{2}$ vibration of amide (NH_2^-). Journal of Chemical Physics, 1986, 84, 7056-7057.	1.2	37
245	Electronic spectroscopy of molecular ions by velocity modulation with cw dye lasers: a non-intrusive, in situ state-selective probe of plasma dynamics. Chemical Physics Letters, 1985, 122, 108-112.	1.2	19
246	The vibration-rotation spectrum of the hydroxide anion (OH^-). Journal of Chemical Physics, 1985, 83, 5338-5339.	1.2	136
247	A study of the structure and dynamics of the hydronium ion by high-resolution infrared laser spectroscopy. I. The $\hat{1}\hat{3}$ band of $\text{H}_3\text{16O}^+$. Journal of Chemical Physics, 1985, 82, 3570-3579.	1.2	86
248	Measurement of the $\hat{1}\hat{2}$ vibration-rotation spectrum of the thioformyl ion (HCS^+) by velocity modulation laser spectroscopy. Journal of Chemical Physics, 1985, 83, 4845-4848.	1.2	13
249	Studies of Astrophysically Important Molecular Ions with Ultrasensitive Infrared Laser Techniques. , 1985, , 403-419.		1
250	The high resolution infrared spectrum and molecular structure of the superacid H_2F^+ by velocity modulation laser absorption spectroscopy. Journal of Chemical Physics, 1984, 81, 4189-4199.	1.2	46
251	Laser magnetic resonance rotational spectroscopy of $\hat{2}\hat{1}$ radicals: Ethynyl (CCH). Journal of Chemical Physics, 1984, 80, 2247-2255.	1.2	54
252	A high resolution study of the $\hat{1}\hat{3}$ band of the ammonium ion (NH_4^+) by velocity modulation laser absorption spectroscopy. Journal of Chemical Physics, 1984, 80, 3969-3977.	1.2	44

#	ARTICLE	IF	CITATIONS
253	Velocity modulation infrared laser spectroscopy of molecular ions: The $\hat{\nu}_{1/2}1$ and $\hat{\nu}_{1/2}3$ bands of fluoronium (HF^+). Journal of Chemical Physics, 1984, 80, 2973-2974.	1.2	32
254	An investigation of the laser optogalvanic effect for atoms and molecules in recombination-limited plasmas. Molecular Physics, 1984, 52, 541-566.	0.8	37
255	A study of the $\hat{\nu}_{1/2}1$ fundamental and bend-excited hot band of DNN^+ by velocity modulation absorption spectroscopy with an infrared difference frequency laser. Journal of Chemical Physics, 1984, 81, 5281-5287.	1.2	47
256	Measurement of the rotational spectrum of HF^+ by laser magnetic resonance. Molecular Physics, 1984, 52, 245-249.	0.8	32
257	The $\hat{\nu}_{1/2}3$ vibrational spectrum of the free ammonium ion (NH_4^+). Journal of Chemical Physics, 1983, 79, 3159-3160.	1.2	56
258	Far infrared laser magnetic resonance of singlet methylene: Singlet-triplet perturbations, 5251-5264.	1.2	280
259	Velocity-Modulated Infrared Laser Spectroscopy of Molecular Ions: The $\hat{\nu}_{1/2}1$ Band of HCO^+ . Physical Review Letters, 1983, 50, 727-731.	2.9	312
260	Radiative lifetimes of trapped molecular ions: HCl^+ and HBr^+ . Journal of Chemical Physics, 1983, 78, 7073-7076.	1.2	36
261	Velocity-modulated infrared laser spectroscopy of molecular ions: The $\hat{\nu}_{1/2}1$ band of HNN^+ . Journal of Chemical Physics, 1983, 78, 5837-5838.	1.2	84
262	Structures of Molecular Ions from Laser Magnetic Resonance Spectroscopy. , 1983, , 33-52.		1
263	The pure rotational spectrum and hyperfine structure of CF studied by laser magnetic resonance. Journal of Chemical Physics, 1982, 77, 58-67.	1.2	24
264	The laser magnetic resonance spectrum of HCl^+ . Molecular Physics, 1982, 46, 217-221.	0.8	31
265	Color center laser optogalvanic spectroscopy of lithium, barium, neon and argon Rydberg states in hollow cathode discharges. Optics Communications, 1982, 40, 277-282.	1.0	34
266	Laser magnetic resonance measurement of rotational transitions in the metastable $a1^{\hat{\nu}}g$ state of oxygen. Journal of Molecular Spectroscopy, 1981, 89, 344-351.	0.4	24
267	A microwave substitution structure for protonated nitrogen N_2H^+ . Journal of Chemical Physics, 1981, 75, 4261-4263.	1.2	27
268	The molecular structure of HCO^+ by the microwave substitution method. Journal of Chemical Physics, 1981, 75, 4256-4260.	1.2	58
269	FAR INFRARED LASER MAGNETIC RESONANCE. , 1980, , 95-138.		43
270	Laser magnetic resonance measurement of the $2^{\hat{\nu}}P_2$ - $2^{\hat{\nu}}P_1$ splitting in atomic oxygen. Journal of Chemical Physics, 1979, 71, 1564-1566.	1.2	39

#	ARTICLE	IF	CITATIONS
271	Observation of Pure Rotational Transitions in the HBr+Molecular Ion by Laser Magnetic Resonance. Physical Review Letters, 1979, 43, 515-518.	2.9	50
272	Laboratory Rest Frequencies for N2D(+). Astrophysical Journal, 1977, 216, L85.	1.6	22
273	Laboratory Microwave Spectrum and Rest Frequencies of the N2H(+) Ion. Astrophysical Journal, 1976, 205, L101.	1.6	91
274	Laboratory Microwave Spectrum of HCO+. Physical Review Letters, 1975, 35, 1269-1272.	2.9	228