

Edward Grant

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

208
papers

5,958
citations

42
h-index

65
g-index

247
ext. papers

6,283
ext. citations

4.9
avg, IF

5.34
L-index

#	Paper	IF	Citations
208	Electrocatalysts Derived from Copper Complexes Transform CO into C Products Effectively in a Flow Cell. <i>Chemistry - A European Journal</i> , 2022 , e202200340	4.8	1
207	Size Distributions of Gold Nanoparticles in Solution Measured by Single-Particle Mass Photometry. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 12466-12475	3.4	0
206	A quantum molecular movie: polyad predissociation dynamics in the VUV excited $3p\pi$ state of NO. <i>Faraday Discussions</i> , 2021 , 228, 191-225	3.6	0
205	TOGA feature selection and the prediction of mechanical properties of paper from the Raman spectra of unrefined pulp. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 8401-8415	4.4	1
204	Dissipative dynamics of atomic and molecular Rydberg gases: Avalanche to ultracold plasma states of strong coupling. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020 , 53, 074003	1.3	5
203	Radio frequency field-induced electron mobility in an ultracold plasma state of arrested relaxation. <i>Physical Review A</i> , 2020 , 102,	2.6	2
202	pH Matters When Reducing CO ₂ in an Electrochemical Flow Cell. <i>ACS Energy Letters</i> , 2020 , 5, 3101-3107	20.1	56
201	Delocalized excitons and interaction effects in extremely dilute thermal ensembles. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 2276-2282	3.6	23
200	Many-body physics with ultracold plasmas: quenched randomness and localization. <i>New Journal of Physics</i> , 2019 , 21, 043033	2.9	8
199	Exploring the crossover between high-energy-density plasma and ultracold neutral plasma physics. <i>Physics of Plasmas</i> , 2019 , 26, 100501	2.1	12
198	Control of molecular ultracold plasma relaxation dynamics by mm-wave Rydberg-Rydberg transitions. <i>Molecular Physics</i> , 2019 , 117, 3096-3107	1.7	1
197	Possible Many-Body Localization in a Long-Lived Finite-Temperature Ultracold Quasineutral Molecular Plasma. <i>Physical Review Letters</i> , 2018 , 120, 110601	7.4	13
196	Determination of thiabendazole in orange juice using an MISPE-SERS chemosensor. <i>Food Chemistry</i> , 2018 , 239, 816-822	8.5	56
195	Proof of concept for an optogalvanic gas sensor for NO based on Rydberg excitations. <i>Applied Physics Letters</i> , 2018 , 113, 011113	3.4	7
194	Coupled rate-equation hydrodynamic simulation of a Rydberg gas Gaussian ellipsoid: Classical avalanche and evolution to molecular plasma. <i>Chemical Physics</i> , 2018 , 514, 55-66	2.3	4
193	Arrested relaxation in an isolated molecular ultracold plasma. <i>Physical Review A</i> , 2017 , 96,	2.6	14
192	Role of PTFE paste fibrillation on Poisson's ratio. <i>Polymer Testing</i> , 2017 , 61, 65-73	4.5	8

191	Quantum state control of ultracold plasma fission. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016 , 49, 064009	1.3	6
190	Multivariate Analysis of Hemicelluloses in Bleached Kraft Pulp Using Infrared Spectroscopy. <i>Applied Spectroscopy</i> , 2016 , 70, 1981-1993	3.1	4
189	On the evolution of the phase-space distributions of a non-spherical molecular ultracold plasma in a supersonic beam. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016 , 49, 193001	1.3	9
188	Dynamics of colliding ultracold plasmas. <i>Physical Review A</i> , 2015 , 91,	2.6	10
187	Modification of xylan in alkaline treated bleached hardwood kraft pulps as classified by attenuated total-internal-reflection (ATR) FTIR spectroscopy. <i>Carbohydrate Polymers</i> , 2015 , 127, 418-26	10.3	18
186	Three-dimensional imaging of the ultracold plasma formed in a supersonic molecular beam 2015 ,		1
185	Fabrication of SERS-active substrates using silver nanofilm-coated porous anodic aluminum oxide for detection of antibiotics. <i>Journal of Food Science</i> , 2015 , 80, N834-40	3.4	19
184	Determination of Sudan I in paprika powder by molecularly imprinted polymers-thin layer chromatography-surface enhanced Raman spectroscopic biosensor. <i>Talanta</i> , 2015 , 143, 344-352	6.2	85
183	Determination of histamine in canned tuna by molecularly imprinted polymers-surface enhanced Raman spectroscopy. <i>Analytica Chimica Acta</i> , 2015 , 901, 68-75	6.6	56
182	Detection of melamine in milk using molecularly imprinted polymers-surface enhanced Raman spectroscopy. <i>Food Chemistry</i> , 2015 , 176, 123-9	8.5	132
181	Template-oriented genetic algorithm feature selection of analyte wavelets in the Raman spectrum of a complex mixture. <i>Analytical Chemistry</i> , 2014 , 86, 10591-9	7.8	10
180	Dissociation and the development of spatial correlation in a molecular ultracold plasma. <i>Physical Review Letters</i> , 2014 , 112, 075001	7.4	23
179	Multivariate classification of pulp NIR spectra for end-product properties using discrete wavelet transform with orthogonal signal correction. <i>Analytical Methods</i> , 2014 , 6, 8906-8914	3.2	6
178	Detection and quantification of chloramphenicol in milk and honey using molecularly imprinted polymers: Canadian penny-based SERS nano-biosensor. <i>Journal of Food Science</i> , 2014 , 79, N2542-9	3.4	47
177	Evolution from Rydberg gas to ultracold plasma in a supersonic atomic beam of Xe. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 155301	1.3	11
176	Obituary for Moshe Shapiro. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 070402	1.3	
175	Determination of Tocopherol in vegetable oils using a molecularly imprinted polymers-surface-enhanced Raman spectroscopic biosensor. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 10467-75	5.7	69
174	Dissociative recombination slows the expansion of a molecular ultracold plasma. <i>Physical Review A</i> , 2012 , 86,	2.6	10

173	The np Rydberg series of boron monohydride: l-uncoupling and its evolution for intermediate principal quantum numbers $n = 4$ to $n = 11$. <i>Journal of Chemical Physics</i> , 2012 , 136, 214311	3.9	1
172	The np Rydberg series of boron monohydride: l-uncoupling and Rydberg electron interactions with the rovibrational motion of the ion core. <i>Journal of Chemical Physics</i> , 2012 , 136, 214312	3.9	2
171	Adaptive multiscale regression for reliable Raman quantitative analysis. <i>Analyst, The</i> , 2012 , 137, 237-44	5	4
170	Recombinative dissociation and the evolution of a molecular ultracold plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012 , 45, 175302	1.3	15
169	Evaluating the validity of spectral calibration models for quantitative analysis following signal preprocessing. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 2317-27	4.4	4
168	Classical scaling and the correspondence between the coupled rate equation and molecular dynamics models for the evolution of ultracold neutral plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012 , 45, 025701	1.3	10
167	Molecular ion-electron recombination in an expanding ultracold neutral plasma of NO+. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 18872-9	3.6	17
166	Rapid Determination of Metabolites in Bio-fluid Samples by Raman Spectroscopy and Optimum Combinations of Chemometric Methods. <i>Chinese Journal of Chemistry</i> , 2011 , 29, 2525-2532	4.9	8
165	Dissociative recombination and the decay of a molecular ultracold plasma. <i>Journal of Physics: Conference Series</i> , 2011 , 300, 012005	0.3	4
164	Adaptive wavelet transform suppresses background and noise for quantitative analysis by Raman spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 625-34	4.4	42
163	High-throughput prediction of physical and mechanical properties of paper from Raman chemometric analysis of pulp fibres1This article is a contribution to the series The Role of Sensors in the New Forest Products Industry and Bioeconomy.. <i>Canadian Journal of Forest Research</i> , 2011 , 41, 2100-2113	1.9	4
162	On the formation and decay of a molecular ultracold plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011 , 44, 184015	1.3	21
161	Detecting influential observations by cluster analysis and Monte Carlo cross-validation. <i>Analyst, The</i> , 2010 , 135, 2841-7	5	21
160	Very slow expansion of an ultracold plasma formed in a seeded supersonic molecular beam of NO. <i>Physical Review A</i> , 2009 , 79,	2.6	25
159	Evolution from a molecular Rydberg gas to an ultracold plasma in a seeded supersonic expansion of NO. <i>Physical Review Letters</i> , 2008 , 101, 205005	7.4	75
158	A switching rule for plastics identification in electronics recycling. <i>International Journal of Computer Integrated Manufacturing</i> , 2008 , 21, 730-743	4.3	1
157	Discrete-continuum and discrete-discrete interactions in the autoionization spectrum of 11 BH. <i>Molecular Physics</i> , 2007 , 105, 1589-1602	1.7	4
156	Zeke Spectroscopy: High-Resolution Spectroscopy with Photoelectrons. <i>Advances in Chemical Physics</i> , 2007 , 1-104		23

155	Dynamics of dissociative recombination versus electron ejection in single rovibronic resonances of BH. <i>Journal of Chemical Physics</i> , 2007 , 126, 084301	3.9	4
154	Isolated core excitation of B11H: Photoabsorption in competition with Rydberg predissociation. <i>Physical Review A</i> , 2007 , 75,	2.6	5
153	Rovibrational characterization of X 2Sigma+ 11BH+ by the extrapolation of photoselected high Rydberg series in 11BH. <i>Journal of Chemical Physics</i> , 2006 , 124, 144312	3.9	12
152	Viable plastics recycling from end-of-life electronics. <i>IEEE Transactions on Electronics Packaging Manufacturing</i> , 2006 , 29, 25-31		23
151	Plastic separation planning for end-of-life electronics. <i>IEEE Transactions on Electronics Packaging Manufacturing</i> , 2006 , 29, 110-118		6
150	On-line content uniformity determination of tablets using low-resolution Raman spectroscopy. <i>Applied Spectroscopy</i> , 2006 , 60, 672-81	3.1	31
149	Raman spectroscopy for tablet coating thickness quantification and coating characterization in the presence of strong fluorescent interference. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006 , 41, 811-9	3.5	84
148	Spectroscopic experiments on autoionization and neutral fragmentation in the high-Rydberg states of BH. <i>Journal of Physics: Conference Series</i> , 2005 , 4, 261-266	0.3	4
147	Raman spectroscopic measurement of tablet-to-tablet coating variability. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 38, 270-4	3.5	80
146	Kr (n=50,s,d,g) electronic wave packets: Electron time-of-flight resolution and the ac-Stark shift during wave-packet preparation. <i>Physical Review A</i> , 2005 , 71,	2.6	5
145	Mode dependent vibrational autoionization of Rydberg states of NO2. II. Comparing the symmetric stretching and bending vibrations. <i>Journal of Chemical Physics</i> , 2004 , 120, 2667-76	3.9	5
144	A new instrument adapted to in situ Raman analysis of objects of art. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 379, 137-42	4.4	80
143	Toward the comprehensive spectrochemical imaging of painted works of art: a new instrumental approach. <i>Journal of Raman Spectroscopy</i> , 2004 , 35, 813-818	2.3	12
142	Higher Vibrationally Excited Levels of the 3p Rydberg State of HCO. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 10010-10018	2.8	2
141	State-Selective Production of Vibrationally Excited NO2+ by Double-Resonant Photoionization. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 9645-9651	2.8	9
140	Coupling of electron orbital motion with rotation in the high Rydberg states of BH. <i>Physical Review Letters</i> , 2004 , 92, 173005	7.4	11
139	Plastics disassembly versus bulk recycling: engineering design for end-of-life electronics resource recovery. <i>Environmental Science & Technology</i> , 2003 , 37, 5463-70	10.3	32
138	A symbolic methodology to improve disassembly process design. <i>Environmental Science & Technology</i> , 2003 , 37, 5417-23	10.3	13

137	Mode-dependent vibrational autoionization of NO ₂ . <i>Journal of Chemical Physics</i> , 2003 , 119, 10146-10157	3.9	9	10
136	Bend-stretch Fermi resonance in DCO ⁺ . <i>Journal of Chemical Physics</i> , 2002 , 116, 2370-2378	3.9		4
135	Laser-assisted (1+1 [?])-photon ionization-detected absorption spectrum of the 3p ² state of HCO and DCO. <i>Journal of Chemical Physics</i> , 2002 , 116, 8384	3.9		7
134	The A1 ⁺ 1 ⁺ (2,0) transition in 11BH and 10BH observed by (1+2)-photon resonance-enhanced multiphoton ionization spectroscopy. <i>Chemical Physics Letters</i> , 2001 , 340, 45-54	2.5		14
133	An experimental measure of anharmonicity in the bending of DCO ⁺ . <i>Journal of Chemical Physics</i> , 2001 , 115, 878-884	3.9		10
132	Double-resonant photoionization efficiency spectroscopy: A precise determination of the adiabatic ionization potential of DCO. <i>Journal of Chemical Physics</i> , 2001 , 114, 5224-5232	3.9		6
131	Ultrafast time-resolved soft x-ray photoelectron spectroscopy of dissociating Br ₂ . <i>Physical Review Letters</i> , 2001 , 87, 193002	7.4		141
130	Experimental Characterization of the Higher Vibrationally Excited States of HCO(+): Determination of $\omega(2)$, $x(22)$, $g(22)$, and B(030). <i>Journal of Molecular Spectroscopy</i> , 2000 , 199, 147-157	1.3		14
129	Double-resonance spectroscopy of the high Rydberg states of HCO. V. Rovibronic interactions and l-uncoupling in the (010) manifold. <i>Journal of Chemical Physics</i> , 2000 , 113, 5372	3.9		10
128	Double-resonance spectroscopy of the high Rydberg states of HCO. IV. Vibrational autoionization dynamics as a function of bending amplitude. <i>Journal of Chemical Physics</i> , 2000 , 112, 1701-1706	3.9		10
127	Photoionization spectrum of the B2A ⁺ state of HCO. <i>Chemical Physics Letters</i> , 1999 , 315, 210-216	2.5		3
126	A characterization of vibrationally and electronically excited NO ₂ ⁺ by high-resolution threshold photoionization spectroscopy. <i>Journal of Chemical Physics</i> , 1999 , 111, 9568-9573	3.9		27
125	Anomalous Intensities in Zero-Kinetic-Energy Spectra. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 6127-6133	3.3		17
124	On The High Rydberg States Of The Formyl Radical The Dynamics of Vibrational Autoionization in Triatomic Molecules 1999 , 437-455			
123	Double-resonance spectroscopy of the high Rydberg states of HCO. II. Mode specificity in the dynamics of vibrational autoionization via CO stretch versus bend. <i>Journal of Chemical Physics</i> , 1998 , 108, 1886-1892	3.9		16
122	Double-resonance spectroscopy of the high Rydberg states of HCO. III. Multiple pathways in the vibrational autoionization of the bending overtone. <i>Journal of Chemical Physics</i> , 1998 , 108, 8429-8435	3.9		25
121	State-to-state dynamics in the high Rydberg states of polyatomic molecules. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1997 , 355, 1569-1583	3		9
120	Photoselection and the Appearance of Franck-Condon-Forbidden Thresholds in the ZEKE Spectrum of NO ₂ . <i>Journal of Physical Chemistry A</i> , 1997 , 101, 6717-6722	2.8		18

119	“Believe I will go out of this class actually knowing something” Cooperative learning activities in physical chemistry. <i>Journal of Research in Science Teaching</i> , 1997 , 34, 819-835	3.4	62
118	On the Shape of C ₆ H ₆ ⁺ . <i>Science</i> , 1996 , 271, 1698-1702	33.3	97
117	High-Resolution Non-Resonant Two-Photon Threshold Photoionization of Propyne. <i>Laser Chemistry</i> , 1996 , 16, 151-156		8
116	Bend-stretch Fermi Resonance in [formula] as Observed in the Two-Photon Absorption Spectroscopy of the 3p [formula] Rydberg State of NO ₂ . <i>Journal of Molecular Spectroscopy</i> , 1996 , 175, 203-214	1.3	16
115	Bend-stretch Fermi resonance in NO ₂ ⁺ observed by delayed pulsed-field ionization zero-electron kinetic energy photoelectron spectroscopy. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1996 , 159, 37-48		11
114	Fermi resonance and mode specificity in the vibrational autoionization of NO ₂ . <i>Journal of Chemical Physics</i> , 1996 , 104, 42-47	3.9	26
113	Double-resonance spectroscopy of the high Rydberg states of HCO. I. A precise determination of the adiabatic ionization potential. <i>Journal of Chemical Physics</i> , 1995 , 103, 10513-10519	3.9	26
112	Organometallic Stability and Structure: Elementary Rates of Unimolecular Decomposition in Chromium Olefin Carbonyls. <i>Journal of the American Chemical Society</i> , 1995 , 117, 12254-12261	16.4	11
111	Two-pathway coherent control of photoelectron angular distributions in molecular NO. <i>Chemical Physics Letters</i> , 1995 , 241, 591-596	2.5	47
110	Elementary Arrhenius Parameters in the CO-for-Ethylene Dissociative Substitution of Cr(CO) ₅ (C ₂ H ₄). <i>The Journal of Physical Chemistry</i> , 1994 , 98, 4622-4626		17
109	The (2+1) multiphoton ionization spectrum of jet-cooled CS ₂ between 54 000 and 58 000 cm ⁻¹ . <i>Journal of Chemical Physics</i> , 1994 , 100, 3514-3519	3.9	17
108	On the assignment of Jahn-Teller effects in the ultraviolet absorption spectrum of Ag ₃ . <i>Journal of Chemical Physics</i> , 1994 , 100, 6312-6317	3.9	33
107	Spin-orbit autoionization and intensities in the double-resonant delayed pulsed-field threshold photoionization of HCl. <i>Journal of Chemical Physics</i> , 1994 , 100, 8633-8640	3.9	21
106	Rovibrational structure of NO ₂ ⁺ and state-to-state dynamics in the high-resolution threshold photoionization of NO ₂ . <i>Journal of Chemical Physics</i> , 1994 , 101, 7199-7210	3.9	45
105	Effects of intermediate dissociation in the two-photon threshold photoionization of methyl iodide. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 9582-9586		12
104	Spin-orbit and rotational autoionization in HCl and DCl. <i>Journal of Chemical Physics</i> , 1993 , 99, 2287-2299	3.9	20
103	Renner-Teller coupling in the 3d [formula] Rydberg state of acetylene. <i>Journal of Chemical Physics</i> , 1993 , 99, 5723-5727	3.9	24
102	Structured effects of Rydberg-Rydberg rotational coupling on intensities in the zero electron kinetic energy threshold photoionization spectrum of state-selected nitrogen dioxide. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 6875-6880		41

101	Triple-resonance spectroscopy of the higher excited states of NO ₂ . IV. Trends in the mode dependence of vibrational autoionization via asymmetric stretch versus symmetric stretch and bend. <i>Journal of Chemical Physics</i> , 1992 , 96, 4827-4840	3.9	34
100	Ion rotational distributions for near-threshold photoionization of H ₂ O. <i>Journal of Chemical Physics</i> , 1992 , 96, 7848-7851	3.9	46
99	Laser spectroscopy in a pulsed jet of AlH: Ionization-detected ultraviolet absorption spectra of the transitions C 1 π 1 π and b 3 π 1 π . <i>Journal of Chemical Physics</i> , 1992 , 97, 883-893	3.9	28
98	The vibrational structure of the NO ₂ cation. <i>Chemical Physics Letters</i> , 1992 , 200, 495-501	2.5	29
97	On the Jahn-Teller coupling of an orbital triplet with a vibrational doublet. <i>Chemical Physics</i> , 1991 , 153, 133-140	2.3	1
96	Effect of linear coupling on vibronic energy levels and transition intensities in the Jahn-Teller T \otimes problem. <i>Chemical Physics Letters</i> , 1991 , 187, 309-316	2.5	1
95	Triple-resonance spectroscopy of the higher excited states of NO ₂ . III. $\pi^* \rightarrow 1$ autoionization and vibronic coupling. <i>Journal of Chemical Physics</i> , 1991 , 94, 5897-5906	3.9	22
94	Threshold-field-ionization photoelectron spectroscopy and delayed forced autoionization of HCl. <i>Physical Review A</i> , 1991 , 44, R5331-R5334	2.6	37
93	Rotationally resolved photoionization of H ₂ O. <i>Journal of Chemical Physics</i> , 1991 , 95, 7033-7040	3.9	86
92	Photoselection and the structure of highly excited states: Rotationally resolved spin-orbit autoionization spectrum of HCl. <i>Journal of Chemical Physics</i> , 1991 , 94, 3429-3439	3.9	15
91	High-resolution threshold photoionization of N ₂ O. <i>Journal of Chemical Physics</i> , 1991 , 95, 746-753	3.9	53
90	Triple-resonance spectroscopy of the higher excited states of NO ₂ . II. Vibrational mode selectivity in the competition between predissociation and autoionization. <i>Journal of Chemical Physics</i> , 1990 , 93, 7731-7739	3.9	26
89	Photoelectron spectroscopy and electronic structure of clusters of the group V elements. III. Tetramers: The 2T ₂ and 2A ₁ excited states of P ⁺ ₄ , As ⁺ ₄ , and Sb ⁺ ₄ . <i>Journal of Chemical Physics</i> , 1990 , 93, 6327-6333	3.9	37
88	Triple-resonance spectroscopy of the higher excited states of NO ₂ : Rovibronic interactions, autoionization, and l-uncoupling in the (100) manifold. <i>Journal of Chemical Physics</i> , 1990 , 93, 2308-2327	3.9	39
87	Photoelectron spectroscopy and electronic structure of clusters of the group V elements. II. Tetramers: Strong Jahn-Teller coupling in the tetrahedral 2E ground states of P ⁺ ₄ , As ⁺ ₄ , and Sb ⁺ ₄ . <i>Journal of Chemical Physics</i> , 1990 , 93, 6318-6326	3.9	57
86	Mass spectrometry and its use in tandem with laser spectroscopy. <i>Science</i> , 1990 , 250, 61-8	33.3	20
85	Quantization of a classical analog for the E \otimes e Jahn-Teller system at intermediate couplings. <i>Journal of Chemical Physics</i> , 1989 , 90, 2357-2362	3.9	5
84	Multiresonant spectroscopy and dynamics of molecular extravalent states: State-resolved intramolecular relaxation of NO ₂ above 9 eV. <i>Chemical Physics</i> , 1989 , 129, 73-81	2.3	11

83	Jet-resolved vibronic structure in the higher excited states of N ₂ O: Ultraviolet three-photon absorption spectroscopy from 80 000 to 90 000 cm ⁻¹ . <i>Journal of Chemical Physics</i> , 1989 , 91, 3916-3925	3.9	19
82	Time-Resolved Kinetics of Organometallic Reactions in the Gas Phase by Transient Infrared Absorption Spectrometry 1989 , 227-244		0
81	Direct determination of the adiabatic ionization potential of NO ₂ by multiresonant optical absorption. <i>Chemical Physics Letters</i> , 1988 , 144, 58-64	2.5	38
80	A nomenclature for doublet levels in rotating linear molecules. <i>Journal of Chemical Physics</i> , 1988 , 89, 1749-1753	3.9	208
79	Structure and dynamics of 3sE ⁺ cyclopropane: A very fluxional multimode Jahn-Teller system. <i>Journal of Chemical Physics</i> , 1988 , 89, 4012-4022	3.9	8
78	Spectroscopy of the 3p 2 ⁺ Rydberg state of HCO by resonance-enhanced multiphoton ionization. <i>Journal of Chemical Physics</i> , 1988 , 88, 617-626	3.9	26
77	Gas-phase organometallic kinetics. 3. The observation and carbon monoxide substitution kinetics of cis-bis(ethene)tetracarbonylchromium by time-resolved infrared absorption spectrometry. <i>The Journal of Physical Chemistry</i> , 1988 , 92, 1458-1464		6
76	Elementary Rate Processes in the Dissociative CO for C ₂ H ₄ Substitution Reactions of Organometallic Complexes in the Gas Phase. <i>Laser Chemistry</i> , 1988 , 9, 63-73		1
75	Intramolecular Vibrational Relaxation and the Dynamics of the High-Power Two-Photon Excitation of NO ₂ 1988 , 337-346		
74	New Information on the Structure and Dynamics of Molecular Cations from Experiments on The Spectroscopy of Polyatomic Rydberg States 1988 , 293-307		
73	Polarized absorption spectroscopy of doublet molecules: Transition moment vs electron density distribution. <i>Journal of Chemical Physics</i> , 1987 , 87, 5589-5597	3.9	18
72	Two-photon photodissociation dynamics of state-selected NO ₂ . <i>Journal of Chemical Physics</i> , 1987 , 87, 360-369	3.9	26
71	Topological phase in molecular bound states: Application to the E ⁺ e system. <i>Journal of Chemical Physics</i> , 1987 , 87, 2954-2964	3.9	120
70	Gas-phase organometallic kinetics: substitution of carbon monoxide for ethylene in Fe(CO) ₃ (C ₂ H ₄) ₂ . <i>Journal of the American Chemical Society</i> , 1987 , 109, 352-356	16.4	16
69	Gas-phase organometallic catalysis: kinetics and mechanism of the hydrogenation of ethylene by Fe(CO) ₃ (C ₂ H ₄) ₂ . <i>Journal of the American Chemical Society</i> , 1987 , 109, 7951-7960	16.4	24
68	Gas-phase organometallic kinetics. 2. Dissociative substitution kinetics of Fe(CO) ₂ (C ₂ H ₄) ₃ by transient IR absorption spectrometry. <i>Journal of the American Chemical Society</i> , 1987 , 109, 1051-1055	16.4	15
67	Gas-phase observation and carbon monoxide substitution of cis-Cr(CO) ₄ (C ₂ H ₄) ₂ by time-resolved IR absorption spectrometry. <i>Journal of the American Chemical Society</i> , 1987 , 109, 1252-1253	16.4	18
66	Assignment of the vibronic level structure of trimeric copper (Cu ₃) ground state. <i>The Journal of Physical Chemistry</i> , 1986 , 90, 3298-3301		26

65	High-resolution two-photon spectroscopy of the NO ₂ Rydberg state. <i>Chemical Physics Letters</i> , 1986 , 131, 51-55	2.5	13
64	The dynamic Jahn-Teller effect in sym-triazine: Nonadiabatic wave functions and hindered fluxionality. <i>Journal of Chemical Physics</i> , 1986 , 84, 1270-1284	3.9	50
63	Fractional quantization of molecular pseudorotation in Na ₃ . <i>Physical Review Letters</i> , 1986 , 56, 2598-2601	7.4	277
62	Semiclassical quantization of a classical analog for the Jahn-Teller E _g system. <i>Journal of Chemical Physics</i> , 1986 , 85, 2089-2098	3.9	25
61	Observation of multimode vibronic interference effects in 2E _{1g} benzene. <i>Journal of Chemical Physics</i> , 1986 , 84, 654-656	3.9	15
60	Dynamics of the Collision Free Unimolecular Fragmentation of Primary Alkyl Epoxides 1986 , 415-424		
59	Optical selection in double-resonant two-photon photodissociation: near-threshold state-to-state fragmentation dynamics of nitrogen dioxide. nitric oxide (~X 2.PI.1/2, v = 0, J, .LAMBDA.) + atomic oxygen (1D). <i>The Journal of Physical Chemistry</i> , 1985 , 89, 5855-5862		19
58	Semiclassical eigenvalues for a non-adiabatic system. <i>Chemical Physics Letters</i> , 1985 , 120, 106-112	2.5	8
57	Higher excited states of benzene: Symmetry assignments of six gerade Rydberg series by four-photon absorption spectroscopy. <i>Journal of Chemical Physics</i> , 1985 , 82, 1135-1146	3.9	49
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