Wybren Jan Buma

List of Publications by Year
in descending order

185	4,803	101384	143772
papers	citations	36 h-index	57 g-index

187	187	187	5367
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Elucidating the photoprotective properties of natural UV screening agents: ZEKEâ€“PFI spectroscopy of methyl sinapate. Physical Chemistry Chemical Physics, 2022, 24, 3984-3993.	1.3	5
2	Controlling forward and backward rotary molecular motion on demand. Nature Communications, 2022, 13, 2124.	5.8	15
3	Polycyclic aromatic hydrocarbon growth in a benzene discharge explored by IR-UV action spectroscopy. Physical Chemistry Chemical Physics, 2022, 24, 14816-14824.	1.3	6
4	Excited-state dynamics of isolated and (micro)solvated methyl sinapate: the bright and shady sides of a natural sunscreen. Molecular Physics, 2021, 119, e1825850.	0.8	13
5	High-resolution infrared spectroscopy of naphthalene and acenaphthene dimers. Molecular Physics, 2021, 119, e1811908.	0.8	7
6	Vibrational circular dichroism studies of exceptionally strong chirality inducers in liquid crystals. Physical Chemistry Chemical Physics, 2021, 23, 10021-10028.	1.3	6
7	Temperature-dependent modulation by biaryl-based monomers of the chain length and morphology of biphenyl-based supramolecular polymers. Chemical Science, 2021, 12, 13001-13012.	3.7	6
8	Allosteric Guest Binding in Chiral Zirconium(IV) Double Decker Porphyrin Cages. European Journal of Organic Chemistry, 2021, 2021, 607-617.	1.2	2
9	Tailoring the optical and dynamic properties of iminothioindoxyl photoswitches through acidochromism. Chemical Science, 2021, 12, 4588-4598.	3.7	13
10	Towards developing novel and sustainable molecular light-to-heat converters. Chemical Science, 2021, 12, 15239-15252.	3.7	18
11	Phenylimino Indolinone: A Greenâ€Lightâ€Responsive Tâ€Type Photoswitch Exhibiting Negative Photochromism. Angewandte Chemie, 2021, 133, 25494.	1.6	2
12	Phenylimino Indolinone: A Greenâ€Lightâ€Responsive Tâ€Type Photoswitch Exhibiting Negative Photochromism. Angewandte Chemie - International Edition, 2021, 60, 25290-25295.	7.2	21
13	Infrared Spectroscopy of Jet-cooled â€œGrandPAHsâ€• in the 3â€“100 Î¼m Region. Astrophysical Journal, 2021, 923, 238.	1.6	4
14	Self-Assembly of Supramolecular Polymers of N-Centered Triarylamine Trisamides in the Light of Circular Dichroism: Reaching Consensus between Electrons and Nuclei. Journal of the American Chemical Society, 2020, 142, 1020-1028.	6.6	17
15	Far-IR Absorption of Neutral Polycyclic Aromatic Hydrocarbons (PAHs): Light on the Mechanism of IRâ€“UV Ion Dip Spectroscopy. Journal of Physical Chemistry Letters, 2020, 11, 8997-9002.	2.1	4
16	Vibrational circular dichroism spectroscopy for probing the expression of chirality in mechanically planar chiral rotaxanes. Chemical Science, 2020, 11, 8469-8475.	3.7	19
17	Photoinduced Forward and Backward Pedalo-Type Motion of a Molecular Switch. Journal of Physical Chemistry Letters, 2020, 11, 4741-4746.	2.1	3
18	Photo-activated CO-release in the amino tungsten Fischer carbene complex, [(CO)5WC(NC4H8)Me], picosecond time resolved infrared spectroscopy, time-dependent density functional theory, and an antimicrobial study. Journal of Inorganic Biochemistry, 2020, 208, 111071.	1.5	6

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19	Analysis of Vibrational Circular Dichroism Spectra of Peptides: A Generalized Coupled Oscillator Approach of a Small Peptide Model Using VCDtools. Journal of Physical Chemistry B, 2020, 124, 1665-1677.	1.2	5
20	GUI Implementation of VCDtools, A Program to Analyze Computed Vibrational Circular Dichroism Spectra. Journal of Chemical Information and Modeling, 2020, 60, 259-267.	2.5	11
21	Circular Spectropolarimetric Sensing of Vegetation in the Field: Possibilities for the Remote Detection of Extraterrestrial Life. Astrobiology, 2019, 19, 1221-1229.	1.5	22
22	Temperature Control of Sequential Nucleationâ€“Growth Mechanisms in Hierarchical Supramolecular Polymers. Chemistry - A European Journal, 2019, 25, 13008-13016.	1.7	28
23	Taming conformational heterogeneity in and with vibrational circular dichroism spectroscopy. Chemical Science, 2019, 10, 7680-7689.	3.7	40
24	A Tunable, Fullereneâ€Based Molecular Amplifier for Vibrational Circular Dichroism. Chemistry - A European Journal, 2019, 25, 12560-12566.	1.7	5
25	Vibrational Circular Dichroism of Thiolate-Protected Au₂₅ Clusters: Accurate Prediction of Spectra and Chirality Transfer within the Mixed Ligand Shell. Journal of Physical Chemistry C, 2019, 123, 22586-22594.	1.5	9
26	Anharmonicity in the mid-infrared spectra of polycyclic aromatic hydrocarbons: molecular beam spectroscopy and calculations. Astronomy and Astrophysics, 2019, 628, A130.	2.1	21
27	Analytical chemistry on many-center chiral compounds based on vibrational circular dichroism: Absolute configuration assignments and determination of contaminant levels. Analytica Chimica Acta, 2019, 1090, 100-105.	2.6	11
28	Opening 2,2-diphenyl-2H-chromene to infrared light. Physical Chemistry Chemical Physics, 2019, 21, 11689-11696.	1.3	7
29	Iminothioindoxyl as a molecular photoswitch with 100â€‰nm band separation in the visible range. Nature Communications, 2019, 10, 2390.	5.8	63
30	Frontispiece: Light on the Structural Evolution of Photoresponsive Molecular Switches in Electronically Excited States. Chemistry - A European Journal, 2019, 25, .	1.7	0
31	Taming the Complexity of Donorâ€“Acceptor Stenhouse Adducts: Infrared Motion Pictures of the Complete Switching Pathway. Journal of the American Chemical Society, 2019, 141, 7376-7384.	6.6	66
32	Circular spectropolarimetric sensing of higher plant and algal chloroplast structural variations. Photosynthesis Research, 2019, 140, 129-139.	1.6	12
33	Light on the Structural Evolution of Photoresponsive Molecular Switches in Electronically Excited States. Chemistry - A European Journal, 2019, 25, 6252-6258.	1.7	2
34	Photoâ€•and Electrochemical Properties of a CO₂ Reducing Rutheniumâ€“Rhenium Quaterpyridineâ€Based Catalyst. ChemPhotoChem, 2018, 2, 323-331.	1.5	18
35	Enantiospecific Brook Rearrangement of Tertiary Benzylic Î±â€Hydroxysilanes. European Journal of Organic Chemistry, 2018, 2018, 3900-3903.	1.2	11
36	Tailoring Photoisomerization Pathways in Donorâ€“Acceptor Stenhouse Adducts: The Role of the Hydroxy Group. Journal of Physical Chemistry A, 2018, 122, 955-964.	1.1	54

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37	Regional Susceptibility in VCD Spectra to Dynamic Molecular Motions: The Case of a Benzyl Î±â€Hydroxysilane. ChemPhysChem, 2018, 19, 561-565.	1.0	9
38	Titelbild: Photoinduced Pedaloâ€Type Motion in an Azodicarboxamideâ€Based Molecular Switch (Angew.) Tj ETQq0 0 0 rgBT /Overlock 1	1.6	0
39	Fluorescence Correlation Spectroscopy of Labeled Azurin Reveals Photoinduced Electron Transfer between Label and Cu Center. Chemistry - A European Journal, 2018, 24, 646-654.	1.7	3
40	The anharmonic quartic force field infrared spectra of hydrogenated and methylated PAHs. Physical Chemistry Chemical Physics, 2018, 20, 1189-1197.	1.3	46
41	Photoinduced Pedaloâ€Type Motion in an Azodicarboxamideâ€Based Molecular Switch. Angewandte Chemie, 2018, 130, 1810-1814.	1.6	7
42	Photoinduced Pedaloâ€Type Motion in an Azodicarboxamideâ€Based Molecular Switch. Angewandte Chemie - International Edition, 2018, 57, 1792-1796.	7.2	21
43	Frequency Range Selection Method for Vibrational Spectra. Journal of Physical Chemistry Letters, 2018, 9, 6878-6882.	2.1	7
44	Use of Density Functional Based Tight Binding Methods in Vibrational Circular Dichroism. Journal of Physical Chemistry A, 2018, 122, 9435-9445.	1.1	6
45	Solvent Effects on the Actinic Step of Donorâ€“Acceptor Stenhouse Adduct Photoswitching. Angewandte Chemie - International Edition, 2018, 57, 8063-8068.	7.2	70
46	Solvent Effects on the Actinic Step of Donorâ€“Acceptor Stenhouse Adduct Photoswitching. Angewandte Chemie, 2018, 130, 8195-8200.	1.6	21
47	Excited-State Electronic Asymmetry Prevents Photoswitching in Terthiophene Compounds. Inorganic Chemistry, 2018, 57, 9039-9047.	1.9	1
48	Vibrationally-resolved spectroscopic studies of electronically excited states of 1,8-naphthalic anhydride and 1,8-naphthalimide: a delicate interplay between one Ï€Ï€* and two nÏ€* states. Physical Chemistry Chemical Physics, 2017, 19, 5861-5869.	1.3	4
49	Circular spectropolarimetric sensing of chiral photosystems in decaying leaves. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 189, 303-311.	1.1	24
50	Shedding Light on the Photoisomerization Pathway of Donorâ€“Acceptor Stenhouse Adducts. Journal of the American Chemical Society, 2017, 139, 15596-15599.	6.6	88
51	High-resolution gas-phase spectroscopy of a single-bond axle rotary motor. Tetrahedron, 2017, 73, 4887-4890.	1.0	1
52	Transient two-dimensional vibrational spectroscopy of an operating molecular machine. Nature Communications, 2017, 8, 2206.	5.8	13
53	Interplay of Exciton Coupling and Largeâ€Amplitude Motions in the Vibrational Circular Dichroism Spectrum of Dehydroquinidine. Chemistry - A European Journal, 2016, 22, 704-715.	1.7	20
54	The anharmonic quartic force field infrared spectra of five non-linear polycyclic aromatic hydrocarbons: Benz[a]anthracene, chrysene, phenanthrene, pyrene, and triphenylene. Journal of Chemical Physics, 2016, 145, 084313.	1.2	40

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55	Electron-flux infrared response to varying Ï€-bond topology in charged aromatic monomers. Nature Communications, 2016, 7, 12633.	5.8	7
56	Energy Transfer between Inorganic Perovskite Nanocrystals. Journal of Physical Chemistry C, 2016, 120, 13310-13315.	1.5	106
57	Direct Observation of a Dark State in the Photocycle of a Light-Driven Molecular Motor. Journal of Physical Chemistry A, 2016, 120, 8606-8612.	1.1	36
58	HIGH-RESOLUTION IR ABSORPTION SPECTROSCOPY OF POLYCYCLIC AROMATIC HYDROCARBONS IN THE 3 Î¼m REGION: ROLE OF PERIPHERY. Astrophysical Journal, 2016, 831, 58.	1.6	30
59	Water Dissociation upon Adsorption onto Free Iron Clusters Is Size Dependent. Journal of Physical Chemistry Letters, 2016, 7, 2381-2387.	2.1	15
60	The anharmonic quartic force field infrared spectra of three polycyclic aromatic hydrocarbons: Naphthalene, anthracene, and tetracene. Journal of Chemical Physics, 2015, 143, 224314.	1.2	71
61	HIGH-RESOLUTION IR ABSORPTION SPECTROSCOPY OF POLYCYCLIC AROMATIC HYDROCARBONS: THE REALM OF ANHARMONICITY. Astrophysical Journal, 2015, 814, 23.	1.6	51
62	Interplay between Static and Dynamic Energy Transfer in Biofunctional Upconversion Nanoplatforms. Journal of Physical Chemistry Letters, 2015, 6, 2518-2523.	2.1	39
63	Characterization of Porphyrin-Co(III)-â€¯Nitrene Radicalâ€™ Species Relevant in Catalytic Nitrene Transfer Reactions. Journal of the American Chemical Society, 2015, 137, 5468-5479.	6.6	185
64	Ultrafast Excited-State Dynamics of a Cyano-Substituted â€œProton Spongeâ€• Journal of Physical Chemistry A, 2015, 119, 11233-11240.	1.1	0
65	Water Adsorption on Free Cobalt Cluster Cations. Journal of Physical Chemistry A, 2015, 119, 10828-10837.	1.1	24
66	Elucidating the Structure of Chiral Molecules by using Amplified Vibrational Circular Dichroism: From Theory to Experimental Realization. ChemPhysChem, 2015, 16, 3363-3373.	1.0	17
67	Targeted labeling of an early-stage tumor spheroid in a chorioallantoic membrane model with upconversion nanoparticles. Nanoscale, 2015, 7, 1596-1600.	2.8	11
68	Unraveling the Mechanism of a Reversible Photoactivated Molecular Proton Crane. Journal of Physical Chemistry B, 2014, 118, 12965-12971.	1.2	20
69	Molecular Beam and ab Initio Studies of Photoactive Yellow Protein Chromophores: Influence of the Thioester Functionality and Single Bond Rotation. Journal of Physical Chemistry B, 2014, 118, 12395-12403.	1.2	3
70	Amplified Vibrational Circular Dichroism as a Probe of Local Biomolecular Structure. Journal of the American Chemical Society, 2014, 136, 3530-3535.	6.6	53
71	Excited-State Dynamics of Isolated and Microsolvated Cinnamate-Based UV-B Sunscreens. Journal of Physical Chemistry Letters, 2014, 5, 2464-2468.	2.1	91
72	Multispectral upconversion luminescence intensity ratios for ascertaining the tissue imaging depth. Nanoscale, 2014, 6, 9257-9263.	2.8	13

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73	Ultrafast Excited State Dynamics in 9,9â€²-Bifluorenylidene. Journal of Physical Chemistry A, 2014, 118, 5961-5968.	1.1	15
74	Water lubricates hydrogen-bonded molecular machines. Nature Chemistry, 2013, 5, 929-934.	6.6	100
75	Critical Landau Velocity in Helium Nanodroplets. Physical Review Letters, 2013, 111, 153002.	2.9	66
76	Excited state dynamics of Photoactive Yellow Protein chromophores elucidated by high-resolution spectroscopy and ab initio calculations. Faraday Discussions, 2013, 163, 321.	1.6	32
77	Conformational Heterogeneity of Methyl 4-Hydroxycinnamate: A Gas-Phase UVâ€“IR Spectroscopic Study. Journal of Physical Chemistry B, 2013, 117, 4798-4805.	1.2	18
78	Non-Equilibrium Isomer Distribution of the Gas-Phase Photoactive Yellow Protein Chromophore. Journal of Physical Chemistry Letters, 2012, 3, 2259-2263.	2.1	63
79	Time-resolved vibrational spectroscopy of a molecular shuttle. Physical Chemistry Chemical Physics, 2012, 14, 1865-1875.	1.3	31
80	Amplification of the linear and nonlinear optical response of a chiral molecular crystal. Journal of Chemical Physics, 2012, 136, 134501.	1.2	18
81	IR Spectroscopy on Jet-Cooled Isolated Two-Station Rotaxanes. Journal of Physical Chemistry A, 2011, 115, 9669-9675.	1.1	32
82	Vibrational and Electronic Spectroscopy of the 4-Hydroxystyreneâ‹¯CO₂ Cluster and Its Hydrate: A para-Coumaric Acid Impostor. Journal of Physical Chemistry B, 2011, 115, 1275-1281.	1.2	5
83	High-Resolution Spectroscopy of Jet-Cooled 1,1â€²-Diphenylethylene: Electronically Excited and Ionic States of a Prototypical Cross-Conjugated System. Journal of Physical Chemistry A, 2011, 115, 9399-9410.	1.1	19
84	Electronic Spectroscopy of Aniline Ions Embedded in Helium Nanodroplets. Journal of Physical Chemistry Letters, 2011, 2, 1563-1566.	2.1	28
85	Critical Shell Thickness of Core/Shell Upconversion Luminescence Nanoplatform for FRET Application. Journal of Physical Chemistry Letters, 2011, 2, 2083-2088.	2.1	124
86	Biphasic Oxidation of Oxy-Hemoglobin in Bloodstains. PLoS ONE, 2011, 6, e21845.	1.1	59
87	Spectroscopy and dynamics of methyl-4-hydroxycinnamate: the influence of isotopic substitution and water complexation. Physical Chemistry Chemical Physics, 2011, 13, 4393.	1.3	19
88	Multi-targeting single fiber-optic biosensor based on evanescent wave and quantum dots. Biosensors and Bioelectronics, 2010, 26, 149-154.	5.3	21
89	Red spectral shift and enhanced quantum efficiency in phonon-free photoluminescence from silicon nanocrystals. Nature Nanotechnology, 2010, 5, 878-884.	15.6	294
90	Operation Mechanism of a Molecular Machine Revealed Using Time-Resolved Vibrational Spectroscopy. Science, 2010, 328, 1255-1258.	6.0	95

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91	IR Spectroscopy of Molecular Ions by Nonthermal Ion Ejection from Helium Nanodroplets. Journal of the American Chemical Society, 2010, 132, 14086-14091.	6.6	60
92	Excited State Processes of 2-Butylamino-6-methyl-4-nitropyridine N-oxide in Nonpolar Solvents. A Transient Absorption Spectroscopy Study. Journal of Physical Chemistry A, 2010, 114, 4045-4050.	1.1	7
93	Direct Access to Polyisocyanide Screw Sense Using Vibrational Circular Dichroism. Macromolecules, 2010, 43, 7931-7935.	2.2	37
94	Effect of Surface Related Organic Vibrational Modes in Luminescent Upconversion Dynamics of Rare Earth Ions Doped Nanoparticles. Journal of Nanoscience and Nanotechnology, 2010, 10, 7149-7153.	0.9	6
95	Spectroscopic study of the authentic emitter of AMPPD chemiluminescence in alkaline aqueous solution. Physical Chemistry Chemical Physics, 2010, 12, 6789.	1.3	8
96	Absorption spectroscopy of adenine, 9-methyladenine, and 2-aminopurine in helium nanodroplets. Physical Chemistry Chemical Physics, 2010, 12, 15600.	1.3	12
97	High-Resolution Excitation and Absorption Spectroscopy of Gas-Phase p-Coumaric Acid: Unveiling an Elusive Chromophore. Journal of the American Chemical Society, 2010, 132, 6315-6317.	6.6	36
98	Interference in acetylene intersystem crossing acts as the molecular analog of Young's double-slit experiment. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2510-2514.	3.3	8
99	Conformational Flexibility of a Rotaxane Thread Probed by Electronic Spectroscopy in Helium Nanodroplets. Journal of the American Chemical Society, 2009, 131, 12902-12903.	6.6	11
100	Multistate Photo-Induced Relaxation and Photoisomerization Ability of Fumaramide Threads: A Computational and Experimental Study. Journal of the American Chemical Society, 2009, 131, 104-117.	6.6	27
101	Stiff, and Sticky in the Right Places: Binding Interactions in Isolated Mechanically Interlocked Molecules Probed by Mid-Infrared Spectroscopy. Journal of the American Chemical Society, 2009, 131, 2428-2429.	6.6	33
102	Two-Dimensional Vibrational Spectroscopy of Rotaxane-Based Molecular Machines. Accounts of Chemical Research, 2009, 42, 1462-1469.	7.6	39
103	Infrared Study of Intercomponent Interactions in a Switchable Hydrogenâ€Bonded Rotaxane. Chemistry - A European Journal, 2008, 14, 1935-1946.	1.7	45
104	Remedial Mathematics for Quantum Chemistry. Journal of Chemical Education, 2008, 85, 1233.	1.1	5
105	High-Resolution Spectroscopy of Methyl 4-Hydroxycinnamate and Its Hydrogen-Bonded Water Complex. Journal of Physical Chemistry B, 2008, 112, 4427-4434.	1.2	37
106	Tagging multiphoton ionization events by two-dimensional photoelectron spectroscopy. Journal of Chemical Physics, 2007, 126, 204312.	1.2	4
107	Photoelectron studies on vibronic coupling in pyrazine. Journal of Chemical Physics, 2007, 127, 104301.	1.2	6
108	Structure and Photophysics of 2-(2â€˜-Pyridyl)benzindoles:â€‰ The Role of Intermolecular Hydrogen Bonds. Journal of Physical Chemistry A, 2007, 111, 11400-11409.	1.1	22

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109	Heterovibrational Interactions, Cooperative Hydrogen Bonding, and Vibrational Energy Relaxation Pathways in a Rotaxane. Journal of Physical Chemistry C, 2007, 111, 6798-6804.	1.5	15
110	Fluorescent, molecularly imprinted thin-layer films based on a common polymer. Journal of Applied Polymer Science, 2007, 105, 229-235.	1.3	20
111	Vibronic spectra of the lower excited singlet states of styrene: A Time Dependent Density Functional Theory study. Chemical Physics Letters, 2007, 435, 224-229.	1.2	18
112	Femtosecond Studies of Charge-Transfer Mediated Proton Transfer in 2-Butylamino-6-methyl-4-nitropyridineN-Oxide. Journal of Physical Chemistry A, 2006, 110, 7086-7091.	1.1	19
113	Femtosecond Spectroscopic Studies of the One- and Two-Photon Excited-State Dynamics of 2,2,17,17-Tetramethyloctadeca-5,9,13-trien-3,7,11,15-tetrayne:â€‰ A Trimeric Oligodiacetylene. Journal of Physical Chemistry A, 2006, 110, 11435-11439.	1.1	6
114	A time-dependent density functional study of vibrationally resolved excitation, emission, and ionization spectra of the S1 state of phenol. Chemical Physics Letters, 2006, 420, 459-464.	1.2	13
115	Combined experimental-theoretical study of the lower excited singlet states of paravinyl phenol, an analog of the paracoumaric acid chromophore. Journal of Chemical Physics, 2006, 125, 204303.	1.2	14
116	The asymmetric nature of charge transfer states of the cyano-substituted proton sponge. Chemical Physics Letters, 2005, 401, 189-195.	1.2	8
117	From The Cover: Probing the structure of a rotaxane with two-dimensional infrared spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13378-13382.	3.3	49
118	Femtosecond Excited State Studies of the Two-Center Three-Electron Bond Driven Twisted Internal Charge Transfer Dynamics in 1,8-Bis(dimethylamino)naphthalene. Journal of Physical Chemistry A, 2005, 109, 3535-3541.	1.1	17
119	Comment on â€œGas-Phase Photochemistry of the Photoactive Yellow Protein Chromophoretrans-p-Coumaric Acidâ€. Journal of Physical Chemistry A, 2005, 109, 6135-6136.	1.1	21
120	Ionization Potentials of Fluoroindoles and the Origin of Nonexponential Tryptophan Fluorescence Decay in ProteinsâŠ¥. Journal of the American Chemical Society, 2005, 127, 4104-4113.	6.6	85
121	Photophysics of 1,8-Bis(dimethylamino)naphthalene in Solution:â€‰ Internal Charge Transfer with a Twist. Journal of Physical Chemistry A, 2004, 108, 10623-10631.	1.1	16
122	Rydberg-Valence Interactions in Monoolefins: Dispersing Electronic Properties in 1,1â€²-Bicyclohexylidene. ChemPhysChem, 2003, 4, 97-101.	1.0	2
123	Spectroscopy and dynamics of excited states in maleimide and N-methyl maleimide: Ionic projection and ab initio calculations. Journal of Chemical Physics, 2003, 118, 10944-10955.	1.2	17
124	Vibronic coupling in excited states of acetone. Journal of Chemical Physics, 2002, 116, 547-560.	1.2	25
125	High-Resolution Excited-State Photoelectron Spectroscopy of the Lower Rydberg States of Jet-Cooled C2H4 and C2D4. Journal of Physical Chemistry A, 2002, 106, 3727-3737.	1.1	15
126	Isolated Building Blocks of Photonic Materials:Â High-Resolution Excited-State Photoelectron Spectroscopy of Jet-Cooled Tetramethylethylene and 1,1â€˜-Bicyclohexylidene. Journal of Physical Chemistry A, 2002, 106, 5249-5262.	1.1	13

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127	Isolated Building Blocks of Photonic Materials:â€‰ High-Resolution Spectroscopy of Excited States of Jet-Cooled Push-Pull Stilbenes. Journal of Physical Chemistry A, 2002, 106, 2446-2456.	1.1	31
128	Excited and ionic states of formamide: An excited-state photoelectron spectroscopy and ab initio study. Journal of Chemical Physics, 2002, 117, 8270-8280.	1.2	20
129	Structure and Photophysics of an Old, New Molecule:Â 1,3,6,8-Tetraazatricyclo[4.4.1.13,8]dodecane. Journal of the American Chemical Society, 2002, 124, 149-158.	6.6	10
130	Fluorescence Excitation Spectroscopy of the 3p Rydberg States of 1-Azabicyclo[2.2.2]octane and 1-Azaadamantane. Journal of Physical Chemistry A, 2000, 104, 729-734.	1.1	4
131	The Radical Cation and Lowest Rydberg States of 1,4-Diaza[2.2.2]bicyclooctane (DABCO). Journal of Physical Chemistry A, 2000, 104, 1834-1841.	1.1	25
132	A â€œHotâ€•Perspective on Symmetry Breaking and Vibronic Coupling incis-1,3,5-Hexatriene. Journal of the American Chemical Society, 2000, 122, 7418-7419.	6.6	12
133	Scaling of the second hyperpolarisabilities of conjugated carbon systems: polyynes versus polyenes and fullerenes. Chemical Physics Letters, 1999, 313, 426-430.	1.2	16
134	Modeling the Spectroscopy of the Lowest Excited Singlet State of cis,trans-1,3,5,7-Octatetraene:â€‰ The Role of Symmetry Breaking and Vibronic Interactions. Journal of Physical Chemistry A, 1999, 103, 2220-2226.	1.1	15
135	Vibronic interactions in s-trans-butadiene. Chemical Physics Letters, 1998, 287, 275-281.	1.2	8
136	The large 1â€˜1Agâ€™â€“2â€˜1Agâ€™Cĩ…C and Câ€“C stretch vibronic interaction in all-trans polyenes. Chemical Physics Letters, 1998, 289, 118-124.	1.2	7
137	Experimental and theoretical studies of the low-lying electronic states of the simplest benzylic amide [2]catenane. Chemical Physics, 1998, 238, 421-428.	0.9	7
138	Resonance enhanced multiphoton ionization photoelectron spectroscopy of gerade excited Rydberg states of the xenon dimer. Journal of Electron Spectroscopy and Related Phenomena, 1998, 97, 147-158.	0.8	12
139	Photoionization and photodissociation dynamics of H2 after (3+1) resonance-enhanced multiphoton ionization via the Bâ€‰1Î£u+ state. Journal of Chemical Physics, 1998, 109, 8319-8329.	1.2	17
140	The spectroscopy of high Rydberg states of ammonia. Journal of Chemical Physics, 1998, 108, 6667-6680.	1.2	38
141	Resonance-enhanced multiphoton ionization photoelectron spectroscopy of Rydberg states of N2O below the Xâ€‰2Î ionization limit. Journal of Chemical Physics, 1998, 109, 7844-7850.	1.2	18
142	Two Ground State Conformers of the Proton Sponge 1,8-Bis(dimethylamino)naphthalene Revealed by Fluorescence Spectroscopy and ab Initio Calculations. Journal of the American Chemical Society, 1998, 120, 4840-4844.	6.6	49
143	Resonance-enhanced multiphoton-ionization photoelectron spectroscopy of even-parity autoionizing Rydberg states of atomic sulphur. Journal of Chemical Physics, 1997, 106, 6831-6838.	1.2	8
144	Rotationally resolved multiphoton ionization photoelectron spectroscopy of the [aâ€‰1Î”]3dÏ€â€‰2Î¦ and [aâ€‰1Î”]5pÏ€â€‰2Î¦ Rydberg states of the SH radical. Journal of Chemical Physics, 1997, 107, 2782-2792.	1.2	9

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145	The Lowest Excited Singlet States of 1-Azaadamantane and 1-Azabicyclo[2.2.2]octane:Â Fluorescence Excitation Spectroscopy and Density Functional Calculations. Journal of the American Chemical Society, 1997, 119, 11523-11533.	6.6	21
146	Evidence of Stringlike Behavior inall-trans-Octatetraene. Journal of the American Chemical Society, 1996, 118, 9178-9179.	6.6	7
147	Resonance-enhanced multiphoton-ionization photoelectron spectroscopy of even-parity Rydberg states of atomic sulfur. Physical Review A, 1996, 54, 5126-5132.	1.0	8
148	Dynamics of highâ€n Rydberg states employed in zero kinetic energyâ€pulsed field ionization spectroscopy via the Fâ€‰1Î”2, Dâ€‰1Î1, and fâ€‰3Î”2 Rydberg states of HCl. Journal of Chemical Physics, 1996, 105, 5702-5710.	1.2	12
149	(3 + 1) resonance enhanced multiphoton ionization-photoelectron spectroscopy on the E, F, and G Rydberg states of ClO. Chemical Physics Letters, 1996, 259, 213-218.	1.2	15
150	Resonance enhanced multiphoton ionisation (REMPI) and REMPI-photoelectron spectroscopy of carbonyl sulphide and carbon disulphide. International Journal of Mass Spectrometry and Ion Processes, 1996, 159, 1-11.	1.9	14
151	Resonance enhanced multiphoton ionization spectroscopy of carbonyl sulphide. Journal of Chemical Physics, 1996, 105, 2141-2152.	1.2	34
152	Zeroâ€kineticâ€energy pulsedâ€field ionization spectroscopy of the aâ€‰1Î” state of SH+ (SD+). Journal of Chemical Physics, 1996, 104, 521-527.	1.2	23
153	Zero kinetic energyâ€pulsed field ionization and resonance enhanced multiphoton ionization photoelectron spectroscopy: Ionization dynamics of Rydberg states in HBr. Journal of Chemical Physics, 1996, 104, 4911-4919.	1.2	35
154	Characterization of spinâ€“orbit autoionizing Rydberg states excited via oneâ€photon absorption from the Fâ€‰1Î”2 Rydberg state of HBr. Journal of Chemical Physics, 1996, 105, 2978-2991.	1.2	13
155	Twoâ€photon resonance enhanced multiphoton ionization photoelectron spectroscopy of the SH (SD) radical below and above the lowest ionization threshold. Journal of Chemical Physics, 1996, 105, 6688-6712.	1.2	16
156	Resonance enhanced multiphoton ionization spectroscopy of carbon disulphide. Journal of Chemical Physics, 1996, 104, 6117-6129.	1.2	48
157	Two-photon resonance enhanced MPI-PES above the lowest ionization threshold. Observation of the [a1Î”]5pï€ 2Î¦ state of the SH (SD) radical. Chemical Physics Letters, 1995, 239, 326-331.	1.2	16
158	Rotationally resolved photoelectron spectroscopy of the [aâ€‰1Î”]3dï€â€‰2Î¦ Rydberg state of the SH radical. Journal of Chemical Physics, 1995, 103, 3262-3264.	1.2	14
159	Four-photon excitation of autoionizing states of Ar, Kr, and Xe between the2P3/2and2P1/2ionic limits. Physical Review A, 1995, 51, 1097-1109.	1.0	43
160	A resonance enhanced multiphoton ionization study of the gerade excited states of Xe2with a Xeâ€‰1S0+Xe*â€‰6s[3/2]1dissociation limit. Journal of Chemical Physics, 1995, 102, 4020-4026.	1.2	16
161	Vibronic activity in trans,transâ€1,3,5,7 octatetraene: The S0â†'S1 spectrum. Journal of Chemical Physics, 1995, 103, 10492-10501.	1.2	29
162	Resonance-enhanced multiphoton ionisation spectroscopy of methanethiol. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 2715.	1.7	13

#	Article	IF	Citations
163	Resonance enhanced multiphoton ionisation spectroscopy of dimethyl sulfide. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 3339.	1.7	20
164	Three-photon excitation of autoionizing states of Ar, Kr, and Xe between the2P3/2and2P1/2ionic limits. Physical Review A, 1994, 49, 3322-3332.	1.0	42
165	(3+1) resonance enhanced multiphoton ionization photoelectron spectroscopy on nf Rydberg states of carbon dioxide. Journal of Chemical Physics, 1994, 101, 9303-9325.	1.2	20
166	Oneâ€•and twoâ€•color twoâ€•photon resonance enhanced multiphoton ionization spectroscopy of the dâ€‰1Î£+ state of NH. Journal of Chemical Physics, 1994, 100, 7984-7994.	1.2	13
167	Resonance-enhanced multiphoton ionisation spectroscopy of thiirane. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 3591.	1.7	11
168	A (3+1) resonance enhanced multiphoton ionization study of the Câ€‰1Î£+ and Eâ€‰1Î states of CO: Polarization dependence used to probe electronic excitation routes and electronic character. Journal of Chemical Physics, 1993, 99, 5061-5070.	1.2	11
169	Resonance enhanced multiphoton ionization photoelectron spectroscopy on nanosecond and picosecond time scales of Rydberg states of methyl iodide. Journal of Chemical Physics, 1993, 99, 836-853.	1.2	60
170	Resonance enhanced multiphoton ionization photoelectron spectroscopy and pulsed field ionization via the Fâ€‰1Î”2(vâ€™=0) and fâ€‰3Î”2(vâ€™=0) Rydberg states of HCl. Journal of Chemical Physics, 1993, 99, 3252-3261.	1.2	46
171	The lowest excited singlet state of isolated 1â€•phenylâ€•1,3â€•butadiene and 1â€•phenylâ€•1,3,5â€•hexatriene. Journal of Chemical Physics, 1992, 96, 4860-4868.	1.2	13
172	The 2â€‰1Ag state of isolated cis,transâ€•1,3,5,7â€•octatetraene: Twoâ€•color resonance enhanced twoâ€•photon ionization studies. Journal of Chemical Physics, 1992, 96, 399-407.	1.2	24
173	Ab initio calculations on vibronic coupling in the lower triplet states of pyrimidine. Journal of the American Chemical Society, 1992, 114, 9544-9551.	6.6	13
174	Lowest energy excited singlet state of isolated cisâ€•hexatriene. Journal of Chemical Physics, 1991, 94, 6367-6376.	1.2	76
175	Lowest energy excited singlet states of isomers of alkyl substituted hexatrienes. Journal of Chemical Physics, 1991, 94, 4691-4698.	1.2	32
176	Conformational instability of the lowest triplet state of the benzene nucleus. I. The unsubstituted molecule. Journal of Chemical Physics, 1990, 93, 3733-3745.	1.2	27
177	Conformational instability of the lowest triplet state of the benzene nucleus. II. pâ€•Xylene, the influence of substituents. Journal of Chemical Physics, 1990, 93, 3746-3751.	1.2	9
178	Ab initio calculations on the structure of pyridine in its lowest triplet state. Journal of the American Chemical Society, 1990, 112, 5447-5451.	6.6	19
179	Location of the 2â€‰1Ag state in hexatriene. Journal of Chemical Physics, 1990, 92, 4622-4623.	1.2	63
180	An electron spinâ€•echo envelope modulation study of the lowest triplet state of pyridineâ€•d5: Spinâ€•density distribution and structure. Journal of Chemical Physics, 1989, 91, 6549-6565.	1.2	35

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181	Conformational instability of the lowest triplet state of benzene: the result of ab initio calculations. Journal of the American Chemical Society, 1989, 111, 86-87.	6.6	13
182	Electron spin echo spectroscopy of the photo-excited triplet state of pyridine. Journal of Molecular Structure, 1988, 173, 249-252.	1.8	1
183	The reaction center triplet state of the photosynthetic bacterium Rhodobacter sphaeroides R26: Electron spin echo spectroscopy of a single crystal. Chemical Physics Letters, 1987, 142, 231-236.	1.2	7
184	Pseudo-jahn-teller distortion of pyridine in its lowest triplet state. Chemical Physics Letters, 1986, 127, 189-192.	1.2	18
185	The triplet state of pyridine: A magnetic resonance study using electron-spin-echo spectroscopy. Chemical Physics Letters, 1985, 117, 203-207.	1.2	26