

# Eberhard Riedle

## List of Publications by Year in descending order

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145  
papers

6,501  
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47006

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docs citations

151  
times ranked

4869  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative <i>In Situ</i> NMR Illumination for Excitation and Kinetic Analysis of Molecular Motor Intermediates. <i>ChemPhotoChem</i> , 2022, 6, .	3.0	1
2	The central role of the metal ion for photoactivity: Zn <sup>2+</sup> vs. Ni <sup>2+</sup> . <i>Chemical Science</i> , 2021, 12, 7521-7532.	7.4	11
3	The Dependence of Chemical Quantum Yields of Visible Light Photoredox Catalysis on the Irradiation Power. <i>ChemPhotoChem</i> , 2021, 5, 1009-1019.	3.0	10
4	Tuning the Ground and Excited State Dynamics of Hemithioindigo Molecular Motors by Changing Substituents. <i>Chemistry - A European Journal</i> , 2020, 26, 13507-13512.	3.3	13
5	Icelike Vibrational Properties of Strong Hydrogen Bonds in Hydrated Lithium Nitrate. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5784-5789.	2.5	2
6	18. Time resolved spectroscopy in photocatalysis. , 2020, , 443-502.		0
7	Exciton-Exciton Annihilation as a Mechanism for Uphill Transfer in a Molecular Excitonic System. <i>EPJ Web of Conferences</i> , 2019, 205, 06017.	0.3	0
8	Time-resolved photoemission electron microscopy of a plasmonic slit resonator using 1 MHz, 25 fs, UV-to-NIR-tunable pulses. <i>EPJ Web of Conferences</i> , 2019, 205, 08002.	0.3	1
9	Space- and time-resolved UV-to-NIR surface spectroscopy and 2D nanoscopy at 1 MHz repetition rate. <i>Review of Scientific Instruments</i> , 2019, 90, 113103.	1.3	23
10	Octave-spanning single-cycle middle-infrared generation through optical parametric amplification in LiGaS <sub>2</sub> . <i>Optics Express</i> , 2019, 27, 21306.	3.4	44
11	Dynamics of the OH stretching mode in crystalline Ba(ClO <sub>4</sub> ) <sub>2</sub> ·3H <sub>2</sub> O. <i>Journal of Chemical Physics</i> , 2018, 148, 054307.	3.0	3
12	Complete Mechanism of Hemithioindigo Motor Rotation. <i>Journal of the American Chemical Society</i> , 2018, 140, 5311-5318.	13.7	75
13	Excited-state dynamics of a molecular dyad with two orthogonally-oriented fluorophores. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 30219-30230.	2.8	10
14	10 W CEP-stable few-cycle source at 2 μm with 100 kHz repetition rate. <i>Optics Express</i> , 2018, 26, 16074.	3.4	49
15	Visible-Light-Driven <i>On/Off</i> -Photochromism of a Polyoxometalate Diarylethene Coordination Complex. <i>Journal of the American Chemical Society</i> , 2018, 140, 10482-10487.	13.7	60
16	Ultrafast photochemistry with two product channels: Wavepacket motion through two distinct conical intersections. <i>Chemical Physics Letters</i> , 2017, 683, 128-134.	2.6	9
17	Dramatic beam steering by kerr lensing in optical parametric amplifiers. , 2017, , .		0
18	Phase-locked multi-terahertz electric fields exceeding 13 MV/cm at a 190 kHz repetition rate. <i>Optics Letters</i> , 2017, 42, 4367.	3.3	40

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19	Limitation of the SHG and THG efficiency and beam break-up for femtosecond pulses by Kerr lensing. , 2017, , .		0
20	On the Edge: Characterizing Broadband Dielectric Mirrors from UV to NIR Using a Pump-Probe Technique. , 2016, , .		0
21	Pyrene Dynamics: Covalently Linked Dimers Accelerate the Kinetics from ns to ps and Produce Excimers. , 2016, , .		0
22	Relaxation dynamics of the OH stretching overtones in isolated HDO molecules observed by IR pump-repump-probe spectroscopy. , 2015, , .		0
23	Highly Selective Relaxation of the OH Stretching Overtones in Isolated HDO Molecules Observed by Infrared Pump-Repump-Probe Spectroscopy. Journal of Physical Chemistry A, 2015, 119, 6831-6836.	2.5	5
24	Vibronic energy relaxation approach highlighting deactivation pathways in carotenoids. Physical Chemistry Chemical Physics, 2015, 17, 19491-19499.	2.8	34
25	Hole-transfer induced energy transfer in perylene diimide dyads with a donor-spacer-acceptor motif. Physical Chemistry Chemical Physics, 2015, 17, 25061-25072.	2.8	9
26	Direct Generation of 7Åfs Whitelight Pulses from Bulk Sapphire. Springer Proceedings in Physics, 2015, , 725-728.	0.2	1
27	Pushing the NOPA to New Frontiers: Output to Below 400Ånm, MHz Operation and ps Pump Duration. Springer Proceedings in Physics, 2015, , 757-760.	0.2	0
28	Pushing the NOPA to New Frontiers: Output to below 400 nm, MHz Operation and ps Pump Duration. , 2014, , .		0
29	Sub-20â€‰fs 1/4J-energy pulses tunable down to the near-UV from a 1â€‰MHz Yb-fiber laser system. Optics Letters, 2014, 39, 2588.	3.3	30
30	A broad and tunable 250- to 430-nm source for microscopy and lifetime measurements by frequency doubling of a 78-MHz-picosecond white-light laser. Applied Physics B: Lasers and Optics, 2014, 116, 875-882.	2.2	3
31	All-reflective UV-VIS-NIR transmission and fluorescence spectrometer for 1/4m-sized samples. AIP Advances, 2014, 4, 077134.	1.3	7
32	Direct measurement of the effective input noise power of an optical parametric amplifier. Laser and Photonics Reviews, 2013, 7, 580-588.	8.7	24
33	Broadband difference frequency mixing between visible and near-infrared pulses for few-cycle pulse generation with stable carrier-envelope phase. Applied Physics B: Lasers and Optics, 2013, 113, 19-25.	2.2	12
34	Ultrafast Dynamics of meso-Tetraphenylmetalloporphyrins: The Role of Dark States. ChemPlusChem, 2013, 78, 1244-1251.	2.8	13
35	Intramolecular [2+2] Photocycloaddition of 3â€‰and 4â€‰(Butâ€‰Enyl)oxyquinolones: Influence of the Alkene Substitution Pattern, Photophysical Studies, and Enantioselective Catalysis by a Chiral Sensitizer. Chemistry - A European Journal, 2013, 19, 7461-7472.	3.3	67
36	Electronic transient spectroscopy from the deep UV to the NIR: unambiguous disentanglement of complex processes. Faraday Discussions, 2013, 163, 139.	3.2	45

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37	A novel setup for femtosecond pump-repump-probe IR spectroscopy with few cycle CEP stable pulses. Optics Express, 2013, 21, 20145.	3.4	15
38	Seeding of picosecond and femtosecond optical parametric amplifiers by weak single mode continuous lasers. Optics Express, 2013, 21, 730.	3.4	9
39	Photogeneration and reactions of benzhydryl cations and radicals: A complex sequence of mechanisms from femtoseconds to microseconds. Pure and Applied Chemistry, 2013, 85, 1487-1498.	1.9	5
40	A Comprehensive Microscopic Picture of the Benzhydryl Radical and Cation Photogeneration and Interconversion through Electron Transfer. ChemPhysChem, 2013, 14, 1423-1437.	2.1	22
41	Coherent internal conversion of pyrene revealed by pump-probe and ultrabroad 2D-UV spectroscopy. , 2013, , .		0
42	16 Time resolved spectroscopy in photocatalysis. , 2013, , 319-378.		4
43	Pulse Compression of Ultrashort UV Pulses by Self-Phase Modulation in Bulk Material. Applied Sciences (Switzerland), 2013, 3, 153-167.	2.5	28
44	Carrier-envelope phase stable sub-two-cycle pulses tunable around 18 $\mu\text{m}$ at 100 $\text{kHz}$ . Optics Letters, 2012, 37, 1673.	3.3	46
45	Generation of 30 $\text{fs}$ pulses tunable from 189 to 240 $\text{nm}$ with an all-solid-state setup. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 2765.	2.1	14
46	Ultrafast photo-induced charge transfer unveiled by two-dimensional electronic spectroscopy. Journal of Chemical Physics, 2012, 136, 204503.	3.0	49
47	Photolytic Generation of Benzhydryl Cations and Radicals from Quaternary Phosphonium Salts: How Highly Reactive Carbocations Survive Their First Nanoseconds. Journal of the American Chemical Society, 2012, 134, 11481-11494.	13.7	60
48	Buildup and Decay of the Optical Absorption in the Ultrafast Photo-Generation and Reaction of Benzhydryl Cations in Solution. Journal of Physical Chemistry A, 2012, 116, 11064-11074.	2.5	27
49	Role of Structural Order and Excess Energy on Ultrafast Free Charge Generation in Hybrid Polythiophene/Si Photovoltaics Probed in Real Time by Near-Infrared Broadband Transient Absorption. Journal of the American Chemical Society, 2011, 133, 18220-18233.	13.7	130
50	Unraveling the flavin-catalyzed photooxidation of benzylic alcohol with transient absorption spectroscopy from sub-pico- to microseconds. Physical Chemistry Chemical Physics, 2011, 13, 8869.	2.8	104
51	Mid-IR femtosecond pulse generation on the microjoule level up to 5 $\mu\text{m}$ at high repetition rates. Optics Letters, 2011, 36, 4212.	3.3	43
52	Encapsulation of diphenylmethyl phosphonium salts in reverse micelles: Enhanced bimolecular reaction of the photofragments. Chemical Physics Letters, 2011, 512, 60-65.	2.6	8
53	Convenient pulse length measurement of sub-20-fs pulses down to the deep UV via two-photon absorption in bulk material. Applied Physics B: Lasers and Optics, 2011, 104, 783-791.	2.2	30
54	The origin of ultrafast proton transfer: Multidimensional wave packet motion vs. tunneling. Chemical Physics Letters, 2011, 503, 61-65.	2.6	58

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55	Influence of core-substitution on the ultrafast charge separation and recombination in arylamino core-substituted naphthalene diimides. <i>Chemical Physics Letters</i> , 2011, 504, 24-28.	2.6	15
56	Ultrafast time-resolved photoelectron spectroscopy with tunable deep UV-pulses. , 2011, , .		0
57	Förster resonant energy transfer (FRET) in orthogonal chromophores. , 2011, , .		0
58	Two-photon absorption as convenient method for 20 fs pulse length measurement in the deep UV. , 2011, , .		1
59	Supercontinuum generation in laser host materials with pulse durations over the entire femtosecond regime. , 2011, , .		1
60	Efficiency Enhancement in Hybrid P3HT/Silicon Nanocrystal Solar Cells. <i>Green</i> , 2011, 1, .	0.4	21
61	Continuum generation in laser host materials with pump pulse durations covering the entire femtosecond regime. , 2011, , .		2
62	The First Picoseconds in the Life of Benzhydryl Cations: Ultrafast Generation and Chemical Reactions. , 2010, , .		0
63	Förster Resonant Energy Transfer in Orthogonally Arranged Chromophores. <i>Journal of the American Chemical Society</i> , 2010, 132, 16777-16782.	13.7	105
64	Variation of the Ultrafast Fluorescence Quenching in 2,6-Sulfanyl-Core-Substituted Naphthalenediimides by Electron Transfer. <i>Journal of Physical Chemistry A</i> , 2010, 114, 12555-12560.	2.5	16
65	Sub-20 fs pulses shaped directly in the UV by an acousto-optic programmable dispersive filter. <i>Optics Express</i> , 2010, 18, 6164.	3.4	32
66	Approaching the full octave: noncollinear optical parametric chirped pulse amplification with two-color pumping. <i>Optics Express</i> , 2010, 18, 18752.	3.4	60
67	Laboratory apparatus for the accurate, facile and rapid determination of visible light photoreaction quantum yields. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 1400-1406.	2.9	74
68	Electronic Double-Quantum Coherences and Their Impact on Ultrafast Spectroscopy: The Example of $\beta$ -Carotene. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 3366-3370.	4.6	49
69	Continuum generation in laser host materials towards table-top OPCPA. , 2010, , .		2
70	Sub-50 fs broadband absorption spectroscopy with tunable excitation: putting the analysis of ultrafast molecular dynamics on a solid ground. <i>Applied Physics B: Lasers and Optics</i> , 2009, 96, 215-231.	2.2	237
71	Femtosecond continuum generation in bulk laser host materials with sub-1/4 J pump pulses. <i>Applied Physics B: Lasers and Optics</i> , 2009, 97, 561-574.	2.2	248
72	Ultrafast internal conversion pathway and mechanism in 2-(2-hydroxyphenyl)benzothiazole: a case study for excited-state intramolecular proton transfer systems. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 1406.	2.8	174

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73	Investigation and optimization of continuum generation in crystals - white-light beyond sapphire. , 2009, , .		0
74	Octave-wide tunable NOPA pulses at up to 2 MHz repetition rate. Springer Series in Chemical Physics, 2009, , 801-803.	0.2	0
75	Ambident Reactivity of the Cyanate Anion. Chemistry - A European Journal, 2008, 14, 3866-3868.	3.3	21
76	The interplay of skeletal deformations and ultrafast excited-state intramolecular proton transfer: Experimental and theoretical investigation of 10-hydroxybenzo[h]quinoline. Chemical Physics, 2008, 347, 446-461.	1.9	91
77	Reaction path dependent coherent wavepacket dynamics in excited state intramolecular double proton transfer. Chemical Physics, 2008, 349, 197-203.	1.9	30
78	The Key Role of Solvation Dynamics in Intramolecular Electron Transfer: Time-Resolved Photophysics of Crystal Violet Lactone. Journal of Physical Chemistry A, 2008, 112, 8487-8496.	2.5	24
79	Tunable pulses from below 300 to 970 nm with durations down to 14 fs based on a 2 MHz ytterbium-doped fiber system. Optics Letters, 2008, 33, 192.	3.3	75
80	Octave wide tunable UV-pumped NOPA: pulses down to 20 fs at 0.5 MHz repetition rate. Optics Express, 2008, 16, 5746.	3.4	49
81	Symmetry-dependent solvation of donor-substituted triarylboranes. Physical Chemistry Chemical Physics, 2008, 10, 6245.	2.8	48
82	Tunable pulses from below 300 to 950 nm with durations down to 12 fs from a 2 MHz Yb-doped fiber system. , 2007, , .		0
83	Sub-100 fs Electron and Proton Transfer: the Role of the Environment. , 2007, , .		0
84	Noncollinear optical parametric amplification of cw light, continua and vacuum fluctuations. , 2007, , .		0
85	DABCO and DMAPâ€™Why Are They Different in Organocatalysis?. Angewandte Chemie - International Edition, 2007, 46, 6176-6179.	13.8	108
86	Toward generation of 1/4 range sub-ps THz pulses by optical rectification. Applied Physics B: Lasers and Optics, 2007, 86, 419-423.	2.2	30
87	Chirped mirrors without dispersion oscillations by Brewsterâ€™s angle incidence. Springer Series in Chemical Physics, 2007, , 163-165.	0.2	0
88	THz Radiation from Light-induced Electron and Proton Motion in Bacteriorhodopsin. Springer Series in Chemical Physics, 2007, , 465-467.	0.2	0
89	Search for Pure Vibrational Dephasing of Electronically Excited Dye Molecules in Solution. , 2007, , .		0
90	19 fs shaped ultraviolet pulses. Optics Letters, 2006, 31, 543.	3.3	31

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91	Sub-20 fs visible pulses with 750 nJ energy from a 100 kHz noncollinear optical parametric amplifier. Optics Letters, 2006, 31, 1289.	3.3	56
92	Brewster-angled chirped mirrors for broadband pulse compression without dispersion oscillations. Optics Letters, 2006, 31, 2220.	3.3	48
93	Brewster-angle chirped mirrors for broadband pulse compression without dispersion oscillations. , 2006, , .		0
94	Intramolecular electron transfer beyond solvent control. , 2006, , 415-419.		0
95	Gated heterodyne coherent anti-Stokes Raman scattering for high-contrast vibrational imaging. , 2005, 5856, 41.		0
96	Ambident Reactivity of the Nitrite Ion Revisited. Angewandte Chemie - International Edition, 2005, 44, 4623-4626.	13.8	46
97	Femtosecond two-photon photoemission at 150 kHz utilizing two noncollinear optical parametric amplifiers for measuring ultrafast electron dynamics. Applied Physics B: Lasers and Optics, 2005, 80, 727-731.	2.2	30
98	High-contrast chemical imaging with gated heterodyne coherent anti-Stokes Raman scattering microscopy. Applied Physics B: Lasers and Optics, 2005, 81, 875-879.	2.2	25
99	Direct measurement of the group-velocity mismatch and derivation of the refractive-index dispersion for a variety of solvents in the ultraviolet. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 1479.	2.1	109
100	Design and calibration of zero-additional-phase SPIDER. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 1875.	2.1	41
101	Scaling up the energy of THz pulses created by optical rectification. Optics Express, 2005, 13, 5762.	3.4	153
102	Phase-locked ultrashort pulse trains at separate and independently tunable wavelengths. Optics Letters, 2005, 30, 2028.	3.3	15
103	Compact autocorrelator for the online measurement of tunable 10 femtosecond pulses. Review of Scientific Instruments, 2004, 75, 2323-2327.	1.3	35
104	Generation of tunable 7-fs ultraviolet pulses: achromatic phase matching and chirp management. Applied Physics B: Lasers and Optics, 2004, 79, 1027-1032.	2.2	94
105	Direct observation of the nuclear motion during ultrafast intramolecular proton transfer. Journal of Molecular Structure, 2004, 700, 13-18.	3.6	66
106	Switching dynamics of the photochromic 1,1-dicyano-2-(4-cyanophenyl)-1,8a-dihydroazulene probed by sub-30 fs spectroscopy. Chemical Physics Letters, 2004, 390, 328-334.	2.6	29
107	Photochemistry of 2-(2-Hydroxyphenyl)benzothiazole Encapsulated in Nanosized Zeolites. Journal of Physical Chemistry A, 2004, 108, 10640-10648.	2.5	43
108	50-fs Photoinduced Intramolecular Charge Separation in Triphenylmethane Lactones. Journal of Physical Chemistry A, 2004, 108, 10763-10769.	2.5	25

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109	Zero-additional-phase SPIDER: full characterization of visible and sub-20-fs ultraviolet pulses. <i>Optics Letters</i> , 2004, 29, 210.	3.3	98
110	Tunable sub-10-fs ultraviolet pulses generated by achromatic frequency doubling. <i>Optics Letters</i> , 2004, 29, 1686.	3.3	156
111	Ultrafast Excited-State Proton Transfer of 2-(2-Hydroxyphenyl)benzothiazole: Theoretical Analysis of the Skeletal Deformations and the Active Vibrational Modes. <i>Journal of Physical Chemistry A</i> , 2003, 107, 10591-10599.	2.5	154
112	Microscopic Mechanism of Ultrafast Excited-State Intramolecular Proton Transfer: A 30-fs Study of 2-(2-Hydroxyphenyl)benzothiazole. <i>Journal of Physical Chemistry A</i> , 2003, 107, 10580-10590.	2.5	212
113	Widely tunable sub-30 fs ultraviolet pulses by chirped sum frequency mixing. <i>Optics Express</i> , 2003, 11, 3110.	3.4	64
114	Ultrafast Bidirectional Dihydroazulene/Vinylheptafulvene (DHA/VHF) Molecular Switches: A Photochemical Ring Closure of Vinylheptafulvene Proven by a Two-Pulse Experiment. <i>Journal of the American Chemical Society</i> , 2002, 124, 2438-2439.	13.7	52
115	Real-time characterization and optimal phase control of tunable visible pulses with a flexible compressor. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, s219-s224.	2.2	35
116	Femtosecond charge transfer dynamics in artificial donor/acceptor systems: switching from adiabatic to nonadiabatic regimes by small structural changes. <i>Chemical Physics Letters</i> , 2001, 345, 81-88.	2.6	33
117	Crosscorrelation measurements of ultrashort visible pulses: comparison between nonlinear crystals and SiC photodiodes. <i>Optics Communications</i> , 2000, 184, 321-328.	2.1	14
118	Generation of 10 to 50 fs pulses tunable through all of the visible and the NIR. <i>Applied Physics B: Lasers and Optics</i> , 2000, 71, 457-465.	2.2	305
119	Highly localized vibronic wavepackets in large reactive molecules. <i>Applied Physics B: Lasers and Optics</i> , 2000, 71, 405-409.	2.2	33
120	Ultrafast excited-state proton transfer and subsequent coherent skeletal motion of 2-(2-hydroxyphenyl)benzothiazole. <i>Journal of Chemical Physics</i> , 2000, 112, 10699-10702.	3.0	191
121	High resolution vibrational overtone studies of HOD and H <sub>2</sub> O with single mode, injection seeded ring optical parametric oscillators. <i>Journal of Chemical Physics</i> , 1997, 107, 8854-8865.	3.0	34
122	Vibrational coherence in ultrafast excited state proton transfer. <i>Chemical Physics Letters</i> , 1996, 263, 622-628.	2.6	209
123	Vibronic excitations of large molecules in solution studied by two-color pump-probe experiments on the 20 fs time scale. <i>Journal of Chemical Physics</i> , 1996, 104, 5761-5769.	3.0	39
124	Unambiguous assignment of the van der Waals modes of benzene-Ar by analysis of the rotationally resolved UV spectra and comparison with multidimensional calculations. <i>Journal of Chemical Physics</i> , 1996, 104, 882-898.	3.0	53
125	Rotationally resolved vibronic spectra of the van der Waals modes of benzene-Ar and benzene-Kr complexes. <i>Journal of Chemical Physics</i> , 1996, 104, 865-881.	3.0	49
126	Femtosecond studies of vibrationally hot molecules produced by intramolecular proton transfer in the excited state. <i>Chemical Physics Letters</i> , 1995, 240, 35-41.	2.6	62



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127	Vibrational and vibronic dynamics of large molecules in solution studied on a 20 fs timescale. <i>Chemical Physics Letters</i> , 1995, 244, 164-170.	2.6	26
128	Generation of 16-fs pulses at 425 nm by extracavity frequency doubling of a mode-locked Ti:sapphire laser. <i>Optics Letters</i> , 1995, 20, 2120.	3.3	34
129	Stabilization and precise calibration of a continuous-wave difference frequency spectrometer by use of a simple transfer cavity. <i>Review of Scientific Instruments</i> , 1994, 65, 42-48.	1.3	94
130	Sub-Doppler supersonic jet spectra of the coupled $6a_{1g}$ and $6b_{1g}$ vibronic bands of the $S_1(1B_{2u}) \rightarrow S_0(1A_{1g})$ transition in monodeuterobenzene and their rovibrational analysis. <i>Molecular Physics</i> , 1994, 81, 1-15.	1.7	19
131	Mixing of the vibrational angular momentum components of multiply degenerate vibronic states of benzene by vibrational l-type resonance. <i>Chemical Physics</i> , 1991, 152, 375-389.	1.9	18
132	Van der Waals bond lengths and electronic spectral shifts of the benzene-Kr and benzene-Xe complexes. <i>Chemical Physics Letters</i> , 1991, 183, 77-83.	2.6	89
133	Dynamic Behavior of Individual Rovibronic States in $S_{1,0}$ Benzene. <i>Israel Journal of Chemistry</i> , 1990, 30, 197-205.	2.3	12
134	High-resolution UV spectrum of the benzene-N <sub>2</sub> van der Waals complex. <i>Chemical Physics Letters</i> , 1990, 175, 79-83.	2.6	66
135	Rotationally resolved ultraviolet spectrum of the benzene-Ar complex by mass-selected resonance-enhanced two-photon ionization. <i>Journal of Chemical Physics</i> , 1990, 92, 90-96.	3.0	166
136	Rotationally resolved spectra of the $6_{10}$ and $6_{10110}$ band of benzene in a moderately cold molecular beam: Spectral and dynamical analysis. <i>Journal of Chemical Physics</i> , 1989, 91, 4555-4563.	3.0	75
137	Intensity distribution in rotational line spectra. I. Experimental results for Doppler-free $S_1 \rightarrow S_0$ transitions in benzene. <i>Journal of Chemical Physics</i> , 1988, 89, 4620-4632.	3.0	36
138	Lifetimes of single rotational states in the $\tilde{a}^1\tilde{a}_g$ channel three- $\tilde{a}^1\tilde{a}_g$ region of C <sub>6</sub> H <sub>6</sub> . <i>Journal of Chemical Physics</i> , 1986, 84, 6182-6189.	3.0	84
139	Sub-doppler two-photon spectrum of asymmetric rotor molecules: analysis of the $q_{10}q_{10}$ rotational branch of the $S_1(1B_{2u}) \rightarrow S_0(1A_{1g})$ system of benzene-d <sub>1</sub> . <i>Chemical Physics Letters</i> , 1986, 126, 558-566.	2.6	4
140	Homogeneous linewidths of single rotational lines in the $\tilde{a}^1\tilde{a}_g$ channel three- $\tilde{a}^1\tilde{a}_g$ region of C <sub>6</sub> H <sub>6</sub> . <i>Journal of Chemical Physics</i> , 1984, 80, 4686-4693.	3.0	113
141	Heterogeneous perturbations in the Doppler-free $S_1 \rightarrow S_0$ two-photon spectrum of benzene: Evidence for intrastate coupling. <i>Chemical Physics Letters</i> , 1984, 110, 452-458.	2.6	40
142	Sub-doppler spectroscopy of benzene in the $\tilde{a}^1\tilde{a}_g$ channel-three- $\tilde{a}^1\tilde{a}_g$ region. <i>Faraday Discussions of the Chemical Society</i> , 1983, 75, 387-394.	2.2	28
143	Pulsed Doppler-free two-photon spectroscopy of polyatomic molecules. <i>Optics Communications</i> , 1982, 43, 388-394.	2.1	30
144	Electronic spectra of polyatomic molecules with resolved individual rotational transitions: Benzene. <i>Journal of Chemical Physics</i> , 1981, 75, 4231-4240.	3.0	99

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145	Quantitative Inâ€šitu NMR Illumination for Excitation and Kinetic Analysis of Molecular Motor Intermediates. ChemPhotoChem, 0, , .	3.0	4