Joseph Knee

List of Publications by Citations

50 papers	1,345 citations	21 h-index	35 g-index
53 ext. papers	1,386 ext. citations	3.7 avg, IF	3.93 L-index

#	Paper	IF	Citations
50	Picosecond monitoring of a chemical reaction in molecular beams: Photofragmentation of RI. *Journal of Chemical Physics*, **1985**, 83, 1996-1998	3.9	121
49	High resolution threshold photoelectron spectroscopy of aniline and aniline van der Waals complexes. *Journal of Chemical Physics*, **1992**, 97, 2843-2860	3.9	120
48	Dynamics of high n molecular Rydberg states with application to mass analyzed threshold ionization spectroscopy. *Journal of Chemical Physics*, **1993**, 99, 3133-3136	3.9	82
47	Picosecond photofragment spectroscopy. I. Microcanonical state-to-state rates of the reaction NCNO-CN+NO. *Journal of Chemical Physics*, **1987**, 87, 77-96	3.9	78
46	Picosecond photofragment spectroscopy. III. Vibrational predissociation of van der Waals clusters. *Journal of Chemical Physics*, **1987**, 87, 115-127	3.9	72
45	Luminescence spectra and lifetimes of cerium(III) compounds as indicators of solution behavior and radiative efficiency. *Inorganic Chemistry*, **1988**, 27, 1393-1400	5.1	65
44	Picosecond measurements of vibrational dynamics using pump probe laser photoelectron spectroscopy. *Journal of Chemical Physics*, **1990**, 93, 4475-4476	3.9	58
43	The identification of channel three in isolated benzene. *Journal of Chemical Physics*, **1983**, 78, 2091-2092	3.9	57
42	Dynamics of large molecule Van der Waals complexes studied with ZEKE spectroscopy. *Faraday Discussions*, **1994**, 97, 299	3.6	52
41	Communication: Frequency shifts of an intramolecular hydrogen bond as a measure of intermolecular hydrogen bond strengths. *Journal of Chemical Physics*, **2012**, 137, 091101	3.9	51
40	Neutral and cation spectroscopy of fluorene Arn clusters. *Journal of Chemical Physics*, **1997**, 107, 8239-8251	3.9	43
39	Aniline-CH4 S1 vibrational dynamics studied with picosecond photoelectron spectroscopy. *Journal of Chemical Physics*, **1993**, 99, 2550-2559	3.9	40
38	Spectroscopy and dynamics of the S1 state of jet-cooled 1-naphthol. *The Journal of Physical Chemistry*, **1990**, 94, 2637-2643		38
37	Intramolecular dephasing in pyrazine: Direct picosecond time resolution. *Journal of Chemical Physics*, **1985**, 82, 1042-1043	3.9	38
36	Picosecond vibrational dynamics of several S1 bands in jet-cooled p-difluorobenzene. *Journal of Chemical Physics*, **1994**, 100, 2429-2436	3.9	30
35	The 1B2u<-<-1Alg two-photon spectra of several isotopes of benzene by supersonic beam multiphoton ionization spectroscopy. *Journal of Chemical Physics*, **1982**, 77, 654-668	3.9	29
34	Laser photoelectron spectroscopy of 1- and 2-naphthol: relative stability of the cis and trans cation rotamers. *Chemical Physics Letters*, **1991**, 182, 656-662	2.5	28

33	Conformational energy and dynamics of 9-ethylfluorene. *Journal of Chemical Physics*, **1999**, 110, 3378-3388	3.9	27
32	Triplet state nonradiative lifetimes of collision-free aniline and aniline–argon complexes above the S1 origin. *Journal of Chemical Physics*, **1984**, 80, 13-17	3.9	26
31	Picosecond mass spectrometry of a collisionless photodissociation reaction. *Journal of Chemical Physics*, **1985**, 82, 4715-4716	3.9	26
30	Binding energies and dissociation pathways in the aniline-Ar2 cation complex. *Journal of Chemical Physics*, **2008**, 128, 064311	3.9	25
29	Nonradiative transitions in collisionless perdeuterobenzene. *Journal of Chemical Physics*, **1984**, 81, 4455-4457	3.9	18
28	Photoionization spectroscopy of even-parity autoionizing Rydberg states of argon: Experimental and theoretical investigation of Fano profiles and resonance widths. *Physical Review A*, **2008**, 77,	2.6	17
27	Zero kinetic energy photoelectron spectroscopy of tryptamine and the dissociation pathway of the singly hydrated cation cluster. *Journal of Chemical Physics*, **2012**, 137, 104312	3.9	16
26	Molecular structure and conformation of cyclopropylbenzene as determined by ab initio molecular orbital calculations, pulsed-jet fourier transform microwave spectroscopic, and gas-phase electron diffraction investigations. *Journal of Organic Chemistry*, **2001**, 66, 5840-5	4.2	16
25	Characterization of two adenosine analogs as fluorescence probes in RNA. *Bioorganic Chemistry*, **2008**, 36, 271-7	5.1	14
24	Analysis of the torsional potential of 9,10-dihydrophenanthrene in three electronic states: S0, S1, and cation ground state. *Journal of Chemical Physics*, **1993**, 99, 38-46	3.9	14
23	Characterization of the dynamics of an essential helix in the U1A protein by time-resolved fluorescence measurements. *Journal of Physical Chemistry B*, **2008**, 112, 6122-30	3.4	12
22	Vibrational dynamics of 9-fluorenemethanol using infrared-ultraviolet double-resonance spectroscopy. *Journal of Chemical Physics*, **2004**, 120, 5631-41	3.9	12
21	Dynamics of vibronically excited fluorene–Arn (n=4, 5) clusters. *Journal of Chemical Physics*, **1998**, 108, 9632-9638	3.9	12
20	3-Ethylindole electronic spectroscopy: S1 and cation torsional potential surfaces. *Journal of Chemical Physics*, **2000**, 113, 1857-1865	3.9	11
19	Electronic spectroscopy and dynamics of the monomer and Arn clusters of 9-phenylfluorene. *Journal of Chemical Physics*, **1998**, 109, 7113-7123	3.9	11
18	Applying 6-methylisoxanthopterin-enhanced fluorescence to examine protein-DNA interactions in the picomolar range. *Biochemistry*, **2012**, 51, 6847-59	3.2	9
17	Conformational Analysis and Dynamics of 9-Propylfluorene and 9-Ethylfluorene. *Journal of Physical Chemistry A*, **2001**, 105, 5842-5848	2.8	9
16	Structure and dynamics of 9-ethylfluorene-Arn van der Waals complexes. *Journal of Chemical Physics*, **1999**, 110, 3389-3397	3.9	9

15	Communication: spectroscopic measurement of the binding energy of a carboxylic acid-water dimer. *Journal of Chemical Physics*, **2012**, 136, 171101	3.9	7
14	Communication: The ionization spectroscopy of mixed carboxylic acid dimers. *Journal of Chemical Physics*, **2013**, 139, 151101	3.9	6
13	Threshold Ionization Spectroscopy of the Low Frequency Vibrational Modes of Styrene and Trans-Stilbene Cations. *Laser Chemistry*, **1994**, 14, 131-141		6
12	Electronic and cationic spectroscopy of 9-hydroxy-9-fluorene carboxylic acid. *Journal of Physical Chemistry A*, **2014**, 118, 4982-7	2.8	5
11	Quantitative probing of subtle interactions among H-bonds in alpha hydroxy carboxylic acid complexes. *Physical Chemistry Chemical Physics*, **2017**, 19, 24399-24411	3.6	5
10	Communication: Physical origins of ionization potential shifts in mixed carboxylic acids and water complexes. *Journal of Chemical Physics*, **2016**, 145, 051101	3.9	5
9	Tryptophol cation conformations studied with ZEKE spectroscopy. *Journal of Physical Chemistry A*, **2007**, 111, 1808-13	2.8	4
8	Conformational studies of the neutral and cation of several substituted fluorenes. *Journal of Electron Spectroscopy and Related Phenomena*, **2000**, 112, 209-219	1.7	4
7	Electronic spectroscopy of four conformations of jet-cooled 1,6-dihydroxynaphthalene. *The Journal of Physical Chemistry*, **1993**, 97, 3990-3993		4
6	Photophysical Characterization of Enhanced 6-Methylisoxanthopterin Fluorescence in Duplex DNA. *Journal of Physical Chemistry B*, **2016**, 120, 12232-12248	3.4	2
5	Influences of the propyl group on the van der Waals structures of 4-propylaniline complexes with one and two argon atoms studied by electronic and cationic spectroscopy. *Journal of Chemical Physics*, **2015**, 143, 034308	3.9	1
4	Two-color photoexcitation of Rydberg states via an electric quadrupole transition. *Journal of the Optical Society of America B: Optical Physics*, **2008**, 25, 334	1.7	1
3	Cation spectroscopy and binding energy determination for 1,4-benzodioxan-Ar1 and -Ar2 complexes. *Journal of Physical Chemistry A*, **2008**, 112, 6823-8	2.8	1
2	Electronic Spectroscopy of 2-Phenyl-1,3,2-benzodioxaborole and Its Derivatives: Important Building Blocks of Covalent Organic Frameworks. *Journal of Physical Chemistry A*, **2020**, 124, 529-537	2.8	1
1	Infrared spectroscopy of gas phase alpha hydroxy carboxylic acid homo and hetero dimers. *Physical Chemistry Chemical Physics*, **2018**, 20, 29601-29609	3.6	1