

Joseph Knee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6187176/publications.pdf>

Version: 2024-02-01

52
papers

1,474
citations

331670

21
h-index

315739

38
g-index

53
all docs

53
docs citations

53
times ranked

835
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced avionic sensing based on Wigner's cusp anomalies. <i>Science Advances</i> , 2021, 7, .	10.3	4
2	Electronic Spectroscopy of 2-Phenyl-1,3,2-benzodioxaborole and Its Derivatives: Important Building Blocks of Covalent Organic Frameworks. <i>Journal of Physical Chemistry A</i> , 2020, 124, 529-537.	2.5	1
3	Infrared spectroscopy of gas phase alpha hydroxy carboxylic acid homo and hetero dimers. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29601-29609.	2.8	1
4	Quantitative probing of subtle interactions among H-bonds in alpha hydroxy carboxylic acid complexes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 24399-24411.	2.8	6
5	Photophysical Characterization of Enhanced 6-Methylisoxanthopterin Fluorescence in Duplex DNA. <i>Journal of Physical Chemistry B</i> , 2016, 120, 12232-12248.	2.6	6
6	Communication: Physical origins of ionization potential shifts in mixed carboxylic acids and water complexes. <i>Journal of Chemical Physics</i> , 2016, 145, 051101.	3.0	6
7	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. <i>Journal of Chemical Physics</i> , 2015, 143, 034308.	3.0	1
8	Electronic and Cationic Spectroscopy of 9-Hydroxy-9-fluorene Carboxylic Acid. <i>Journal of Physical Chemistry A</i> , 2014, 118, 4982-4987.	2.5	5
9	Communication: The ionization spectroscopy of mixed carboxylic acid dimers. <i>Journal of Chemical Physics</i> , 2013, 139, 151101.	3.0	6
10	Zero kinetic energy photoelectron spectroscopy of tryptamine and the dissociation pathway of the singly hydrated cation cluster. <i>Journal of Chemical Physics</i> , 2012, 137, 104312.	3.0	16
11	Communication: Spectroscopic measurement of the binding energy of a carboxylic acid-water dimer. <i>Journal of Chemical Physics</i> , 2012, 136, 171101.	3.0	9
12	Communication: Frequency shifts of an intramolecular hydrogen bond as a measure of intermolecular hydrogen bond strengths. <i>Journal of Chemical Physics</i> , 2012, 137, 091101.	3.0	57
13	Applying 6-Methylisoxanthopterin-Enhanced Fluorescence To Examine Protein-DNA Interactions in the Picomolar Range. <i>Biochemistry</i> , 2012, 51, 6847-6859.	2.5	13
14	Observation of Oligonucleotide Dynamics by means of Fluorescent Nucleoside analog 6MI. <i>Biophysical Journal</i> , 2009, 96, 347a-348a.	0.5	1
15	Characterization of two adenosine analogs as fluorescence probes in RNA. <i>Bioorganic Chemistry</i> , 2008, 36, 271-277.	4.1	14
16	Two-color photoexcitation of Rydberg states via an electric quadrupole transition. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 334.	2.1	1
17	Cation Spectroscopy and Binding Energy Determination for 1,4-Benzodioxan-Ar1 and -Ar2 Complexes. <i>Journal of Physical Chemistry A</i> , 2008, 112, 6823-6828.	2.5	2
18	Characterization of the Dynamics of an Essential Helix in the U1A Protein by Time-Resolved Fluorescence Measurements. <i>Journal of Physical Chemistry B</i> , 2008, 112, 6122-6130.	2.6	13

#	ARTICLE	IF	CITATIONS
19	Photoionization spectroscopy of even-parity autoionizing Rydberg states of argon: Experimental and theoretical investigation of Fano profiles and resonance widths. <i>Physical Review A</i> , 2008, 77, .	2.5	17
20	Binding energies and dissociation pathways in the aniline-Ar ₂ cation complex. <i>Journal of Chemical Physics</i> , 2008, 128, 064311.	3.0	27
21	Tryptophol Cation Conformations Studied with ZEKE Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2007, 111, 1808-1813.	2.5	4
22	Vibrational dynamics of 9-fluorene-methanol using infrared-ultraviolet double-resonance spectroscopy. <i>Journal of Chemical Physics</i> , 2004, 120, 5631-5641.	3.0	12
23	Conformational Analysis and Dynamics of 9-Propylfluorene and 9-Ethylfluorene. <i>Journal of Physical Chemistry A</i> , 2001, 105, 5842-5848.	2.5	11
24	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. <i>Journal of Organic Chemistry</i> , 2001, 66, 5840-5845.	3.2	21
25	Conformational studies of the neutral and cation of several substituted fluorenes. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2000, 112, 209-219.	1.7	5
26	3-Ethylindole electronic spectroscopy: S ₁ and cation torsional potential surfaces. <i>Journal of Chemical Physics</i> , 2000, 113, 1857-1865.	3.0	11
27	Conformational energy and dynamics of 9-ethylfluorene. <i>Journal of Chemical Physics</i> , 1999, 110, 3378-3388.	3.0	27
28	Structure and dynamics of 9-ethylfluorene-Ar _n van der Waals complexes. <i>Journal of Chemical Physics</i> , 1999, 110, 3389-3397.	3.0	9
29	Electronic spectroscopy and dynamics of the monomer and Ar _n clusters of 9-phenylfluorene. <i>Journal of Chemical Physics</i> , 1998, 109, 7113-7123.	3.0	11
30	Dynamics of vibronically excited fluorene-Ar _n (n=4, 5) clusters. <i>Journal of Chemical Physics</i> , 1998, 108, 9632-9638.	3.0	12
31	Neutral and cation spectroscopy of fluorene-Ar _n clusters. <i>Journal of Chemical Physics</i> , 1997, 107, 8239-8251.	3.0	44
32	Threshold Ionization Spectroscopy of the Low Frequency Vibrational Modes of Styrene and Trans-Stilbene Cations. <i>Laser Chemistry</i> , 1994, 14, 131-141.	0.5	6
33	Picosecond vibrational dynamics of several S ₁ bands in jet-cooled p-difluorobenzene. <i>Journal of Chemical Physics</i> , 1994, 100, 2429-2436.	3.0	32
34	Dynamics of large molecule Van der Waals complexes studied with ZEKE spectroscopy. <i>Faraday Discussions</i> , 1994, 97, 299.	3.2	57
35	Electronic spectroscopy of four conformations of jet-cooled 1,6-dihydroxynaphthalene. <i>The Journal of Physical Chemistry</i> , 1993, 97, 3990-3993.	2.9	5
36	Analysis of the torsional potential of 9,10-dihydrophenanthrene in three electronic states: S ₀ , S ₁ , and cation ground state. <i>Journal of Chemical Physics</i> , 1993, 99, 38-46.	3.0	16

#	ARTICLE	IF	CITATIONS
37	Aniline's S ₁ vibrational dynamics studied with picosecond photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 1993, 99, 2550-2559.	3.0	43
38	Dynamics of high n molecular Rydberg states with application to mass analyzed threshold ionization spectroscopy. <i>Journal of Chemical Physics</i> , 1993, 99, 3133-3136.	3.0	89
39	High resolution threshold photoelectron spectroscopy of aniline and aniline van der Waals complexes. <i>Journal of Chemical Physics</i> , 1992, 97, 2843-2860.	3.0	130
40	Laser photoelectron spectroscopy of 1- and 2-naphthol: relative stability of the cis and trans cation rotamers. <i>Chemical Physics Letters</i> , 1991, 182, 656-662.	2.6	28
41	Spectroscopy and dynamics of the S ₁ state of jet-cooled 1-naphthol. <i>The Journal of Physical Chemistry</i> , 1990, 94, 2637-2643.	2.9	40
42	Picosecond measurements of vibrational dynamics using pump-probe laser photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 1990, 93, 4475-4476.	3.0	66
43	Luminescence spectra and lifetimes of cerium(III) compounds as indicators of solution behavior and radiative efficiency. <i>Inorganic Chemistry</i> , 1988, 27, 1393-1400.	4.0	73
44	Picosecond photofragment spectroscopy. I. Microcanonical state-to-state rates of the reaction NCNO ⁺ + CN + NO. <i>Journal of Chemical Physics</i> , 1987, 87, 77-96.	3.0	89
45	Picosecond photofragment spectroscopy. III. Vibrational predissociation of van der Waals clusters. <i>Journal of Chemical Physics</i> , 1987, 87, 115-127.	3.0	79
46	Picosecond monitoring of a chemical reaction in molecular beams: Photofragmentation of R ₁ + R ₂ . <i>Journal of Chemical Physics</i> , 1985, 83, 1996-1998.	3.0	127
47	Picosecond mass spectrometry of a collisionless photodissociation reaction. <i>Journal of Chemical Physics</i> , 1985, 82, 4715-4716.	3.0	31
48	Intramolecular dephasing in pyrazine: Direct picosecond time resolution. <i>Journal of Chemical Physics</i> , 1985, 82, 1042-1043.	3.0	40
49	Triplet state nonradiative lifetimes of collision-free aniline and aniline-argon complexes above the S ₁ origin. <i>Journal of Chemical Physics</i> , 1984, 80, 13-17.	3.0	28
50	Nonradiative transitions in collisionless perdeuterobenzene. <i>Journal of Chemical Physics</i> , 1984, 81, 4455-4457.	3.0	19
51	The identification of channel three in isolated benzene. <i>Journal of Chemical Physics</i> , 1983, 78, 2091-2092.	3.0	58
52	The B ₂ + H ₂ + H ₂ two-photon spectra of several isotopes of benzene by supersonic beam multiphoton ionization spectroscopy. <i>Journal of Chemical Physics</i> , 1982, 77, 654-668.	3.0	33