

# Veronica Vaida

## List of Publications by Citations

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144  
papers

5,490  
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41  
h-index

66  
g-index

151  
ext. papers

5,915  
ext. citations

6.5  
avg, IF

5.99  
L-index

#	Paper	IF	Citations
144	Atmospheric processing of organic aerosols. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 11633-11641		355
143	The influence of organic films at the air-aqueous boundary on atmospheric processes. <i>Chemical Reviews</i> , <b>2006</b> , 106, 1445-61	68.1	278
142	Perspective: Water cluster mediated atmospheric chemistry. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 020901	30.1	226
141	New evidence of an organic layer on marine aerosols. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, AAC 1-1		130
140	Hydrated Complexes: Relevance to Atmospheric Chemistry and Climate. <i>International Reviews in Physical Chemistry</i> , <b>2003</b> , 22, 203-219	7	128
139	Photoisomerization of OCIO: a possible mechanism for polar ozone depletion. <i>Nature</i> , <b>1989</b> , 342, 405-408	30.4	117
138	Vibrational and Electronic Spectroscopy of Sulfuric Acid Vapor. <i>Journal of Physical Chemistry A</i> , <b>2003</b> , 107, 1112-1118	2.8	102
137	Complexes of Importance to the Absorption of Solar Radiation. <i>Journal of Physical Chemistry A</i> , <b>2003</b> , 107, 10680-10686	2.8	100
136	Photochemistry of aqueous pyruvic acid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 11714-9	11.5	97
135	Molecular complexes in close and far away. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 10584-8	11.5	94
134	The Hydration of Formic Acid. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 363-370	2.8	93
133	Atmospheric photochemistry via vibrational overtone absorption. <i>Chemical Reviews</i> , <b>2003</b> , 103, 4717-30	68.1	92
132	In situ observation of peptide bond formation at the water-air interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 15697-701	11.5	91
131	Atmospheric implications of the photolysis of the ozone-water weakly bound complex. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 18803		85
130	The direct near ultraviolet absorption spectrum of the A 2A2<-X 2B1 transition of jet-cooled chlorine dioxide. <i>Journal of Chemical Physics</i> , <b>1991</b> , 94, 153-162	3.9	82
129	Ultraviolet absorption spectroscopy of dissociating molecules: Effects of cluster formation on the photodissociation of CH3I. <i>Journal of Chemical Physics</i> , <b>1987</b> , 87, 2522-2530	3.9	79
128	Photochemical kinetics of pyruvic acid in aqueous solution. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 8505-16	2.8	74

127	Picosecond dynamics of solution-phase photofragmentation of dimanganese decacarbonyl [Mn <sub>2</sub> (CO) <sub>10</sub> ]. <i>Journal of the American Chemical Society</i> , <b>1982</b> , 104, 3536-3537	16.4	71
126	Gas-phase water-mediated equilibrium between methylglyoxal and its geminal diol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 6687-92	11.5	69
125	Spectroscopy of photoreactive systems: implications for atmospheric chemistry. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 5-18	2.8	68
124	Dynamics of vibrational overtone excited pyruvic acid in the gas phase: line broadening through hydrogen-atom chattering. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 7321-31	2.8	68
123	Multiphoton ionization study of intra- and intermolecular effects on the photodissociation of methyl iodide. <i>Journal of Chemical Physics</i> , <b>1988</b> , 88, 3638-3645	3.9	67
122	The photochemical dynamics of the A 2A <sub>2</sub> state of chlorine dioxide. <i>Journal of Chemical Physics</i> , <b>1991</b> , 94, 163-171	3.9	65
121	Sunlight as an energetic driver in the synthesis of molecules necessary for life. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 20067-84	3.6	62
120	Fundamental and overtone vibrational spectra of gas-phase pyruvic acid. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 7294-303	2.8	57
119	Medium effects on the photodissociation of hexacarbonylchromium (Cr(CO) <sub>6</sub> ). <i>The Journal of Physical Chemistry</i> , <b>1982</b> , 86, 1941-1947		57
118	Singlet and triplet exciton percolation in benzene isotopic mixed crystals. <i>Journal of Chemical Physics</i> , <b>1977</b> , 67, 4941-4947	3.9	54
117	The multiphoton ionization spectra of pyridine and pyrazine. <i>Chemical Physics</i> , <b>1978</b> , 28, 47-54	2.3	52
116	The (n0-3s) Rydberg state of acetone: absorption spectroscopy of jet-cooled acetone and acetone-d <sub>6</sub> . <i>The Journal of Physical Chemistry</i> , <b>1988</b> , 92, 2762-2766		49
115	The direct ultraviolet absorption spectrum of the ARA <sub>2</sub> " .rarw. ~XIA <sub>1</sub> transition of jet-cooled ammonia. <i>The Journal of Physical Chemistry</i> , <b>1984</b> , 88, 3397-3400		49
114	Aggregation of water molecules: Atmospheric implications. <i>Journal of Chemical Physics</i> , <b>2000</b> , 113, 6652-6659	3.5	48
113	Multiphase Photochemistry of Pyruvic Acid under Atmospheric Conditions. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 3327-3339	2.8	46
112	Ionization state of L-phenylalanine at the air-water interface. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 710-6	16.4	45
111	Direct Absorption Spectroscopy of Water Clusters?. <i>Journal of Physical Chemistry A</i> , <b>1999</b> , 103, 8620-8624	2.8	45
110	Multiphoton transitions in trans-butadiene observed by multiphoton ionization and thermal lensing spectroscopy. <i>Chemical Physics Letters</i> , <b>1978</b> , 54, 25-29	2.5	45

109	Vibrational overtone induced elimination reactions within hydrogen-bonded molecular clusters: the dynamics of water catalyzed reactions in CH <sub>2</sub> FOH.H <sub>2</sub> O <sub>n</sub> . <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 3864-71	3.6	44
108	Hydration of pyruvic acid to its geminal-diol, 2,2-dihydroxypropanoic acid, in a water-restricted environment. <i>Chemical Physics Letters</i> , <b>2011</b> , 513, 184-190	2.5	43
107	Photoinitiated synthesis of self-assembled vesicles. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 3784-7	16.4	42
106	Cluster-induced potential shifts as a probe for dissociation dynamics in the (n0-3s) Rydberg state of acetone. <i>The Journal of Physical Chemistry</i> , <b>1988</b> , 92, 2766-2769		42
105	The determination of the manganese-manganese bond strength in Mn <sub>2</sub> (CO) <sub>10</sub> using pulsed time-resolved photoacoustic calorimetry. <i>Organometallics</i> , <b>1986</b> , 5, 815-816	3.8	42
104	Ocean-atmosphere interactions in the emergence of complexity in simple chemical systems. <i>Accounts of Chemical Research</i> , <b>2012</b> , 45, 2106-13	24.3	41
103	Organic Peroxyl Radical Photolysis in the Near-Infrared: Effects on Tropospheric Chemistry. <i>Journal of Physical Chemistry A</i> , <b>1999</b> , 103, 10169-10178	2.8	41
102	Experimental and theoretical investigation of vibrational overtones of glycolic acid and its hydrogen bonding interactions with water. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 6439-46	2.8	40
101	Mechanistic Description of Photochemical Oligomer Formation from Aqueous Pyruvic Acid. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 4272-4282	2.8	39
100	Application of time-resolved photoacoustic calorimetry to Cr-L bond enthalpies in Cr(CO) <sub>5</sub> L. <i>Polyhedron</i> , <b>1988</b> , 7, 1619-1622	2.7	39
99	Photolysis of sulfuric acid vapor by visible light as a source of the polar stratospheric CN layer. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		38
98	Permeability of acetic acid through organic films at the air-aqueous interface. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 7581-7	2.8	38
97	Experimental absolute intensities of the 4 $\mu$ and 5 $\mu$ O-H stretching overtones of H <sub>2</sub> SO <sub>4</sub> . <i>Chemical Physics Letters</i> , <b>2006</b> , 420, 438-442	2.5	38
96	Hydrophobic collapse of a stearic acid film by adsorbed L-phenylalanine at the air-water interface. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 7849-57	3.4	37
95	Ultraviolet absorption determination of intramolecular predissociation dynamics in methyl iodide dimers ((CH <sub>3</sub> I) <sub>2</sub> and (CD <sub>3</sub> I) <sub>2</sub> ). <i>The Journal of Physical Chemistry</i> , <b>1988</b> , 92, 1204-1208		37
94	pH Dependence of the Aqueous Photochemistry of $\beta$ -Keto Acids. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 8368-8379	2.8	36
93	Near infrared photochemistry of pyruvic acid in aqueous solution. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 5840-6	2.8	36
92	Electronic absorption spectroscopy of jet-cooled molecules. <i>Accounts of Chemical Research</i> , <b>1986</b> , 19, 114-120	24.3	35

91	Phenylalanine Increases Membrane Permeability. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 14388-14391	16.4	34
90	Overtone spectroscopy of sulfonic acid derivatives. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 5434-40	2.8	34
89	Gas-Phase Photolysis of Pyruvic Acid: The Effect of Pressure on Reaction Rates and Products. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 10123-10133	2.8	34
88	Intramolecular interactions in 2-aminoethanol and 3-aminopropanol. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 10260-73	2.8	33
87	Interaction of L-Phenylalanine with a Phospholipid Monolayer at the Water-Air Interface. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 9038-48	3.4	33
86	Aqueous Phase Oligomerization of Methyl Vinyl Ketone by Atmospheric Radical Reactions. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 29421-29430	3.8	33
85	Strength of the metal-ligand bond in LCr(CO) <sub>5</sub> measured by photoacoustic calorimetry. <i>Chemical Physics Letters</i> , <b>1986</b> , 125, 566-568	2.5	32
84	SH-stretching vibrational spectra of ethanethiol and tert-butylthiol. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 7576-83	2.8	31
83	A comparison of experimental and calculated spectra of HNO <sub>3</sub> in the near-infrared using Fourier transform infrared spectroscopy and vibrational perturbation theory. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 124323	3.9	31
82	Effect of Dimers on the Temperature-Dependent Absorption Cross Section of Methyl Iodide. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 11559-11565		31
81	Electronic spectroscopy of organic acid dimers. <i>Chemical Physics Letters</i> , <b>2001</b> , 343, 159-165	2.5	29
80	Uptake of Chlorine Dioxide by Model Polar Stratospheric Cloud Surfaces: Ultrahigh-Vacuum Studies. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 3115-3120		29
79	Surface crossings and predissociation dynamics of methyl iodide Rydberg states. <i>Journal of Chemical Physics</i> , <b>1988</b> , 88, 7410-7417	3.9	29
78	ATMOSPHERIC CHEMISTRY. Atmospheric radical chemistry revisited. <i>Science</i> , <b>2016</b> , 353, 650	33.3	29
77	Intramolecular Hydrogen Bonding in Methyl Lactate. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 9692-702.8		28
76	Interfacial properties of mixed films of long-chain organics at the air/water interface. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 6606-6614	5.3	28
75	Vapor-Phase Vibrational Spectrum of Glycolic Acid, CH <sub>2</sub> OHCOOH, in the Region 2000-500 cm <sup>-1</sup> . <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 9069-9073	2.8	28
74	Prebiotic phosphorylation enabled by microdroplets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 12359-12361	11.5	27

73	Cavity-enhanced measurements of hydrogen peroxide absorption cross sections from 353 to 410 nm. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 5941-7	2.8	27
72	Will water act as a photocatalyst for cluster phase chemical reactions? Vibrational overtone-induced dehydration reaction of methanediol. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 164302	3.9	27
71	Fourier transform ultraviolet absorption spectroscopy of jet-cooled chlorine dioxide. <i>The Journal of Physical Chemistry</i> , <b>1989</b> , 93, 6346-6350		27
70	Atmospheric Simulation Chamber Studies of the Gas-Phase Photolysis of Pyruvic Acid. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 8348-8358	2.8	25
69	Uptake of Chlorine Dioxide by Model PSCs under Stratospheric Conditions. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 3121-3125		25
68	Photoreactivity of Oxygen Dimers in the Ultraviolet. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 7849-7853		24
67	Chemical Equilibria and Kinetics in Aqueous Solutions of Zymonic Acid. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 10096-10107	2.8	24
66	Experimental and theoretical study of the OH vibrational spectra and overtone chemistry of gas-phase vinylacetic acid. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 10226-35	2.8	23
65	Miscibility of Perfluorododecanoic Acid with Organic Acids at the Air/Water Interface. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 9975-9980	3.8	23
64	Competing photochemical pathways of chlorine oxide (OClO) in polar solution. <i>The Journal of Physical Chemistry</i> , <b>1991</b> , 95, 6060-6063		23
63	Electronic spectrum of carbon oxide sulfide (OCS) at 62,000-72,000 cm <sup>-1</sup> . <i>The Journal of Physical Chemistry</i> , <b>1988</b> , 92, 5875-5879		23
62	Environmental Processing of Lipids Driven by Aqueous Photochemistry of Keto Acids. <i>ACS Central Science</i> , <b>2018</b> , 4, 624-630	16.8	22
61	Atmospheric Hydroxyl Radical Source: Reaction of Triplet SO and Water. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 4465-4469	2.8	22
60	Acetic acid formation via the hydration of gas-phase ketene under ambient conditions. <i>Chemical Physics Letters</i> , <b>2013</b> , 565, 1-4	2.5	22
59	Oxidized Aromatic/Aliphatic Mixed Films at the Air/Aqueous Solution Interface. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 22341-22350	3.8	22
58	Calculated electronic transitions of the water ammonia complex. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 034302	3.9	22
57	Sunlight-Initiated Photochemistry: Excited Vibrational States of Atmospheric Chromophores. <i>International Journal of Photoenergy</i> , <b>2008</b> , 2008, 1-13	2.1	22
56	Dynamics and spectroscopy of vibrational overtone excited glyoxylic acid and 2,2-dihydroxyacetic acid in the gas-phase. <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 094305	3.9	21

55	Red sky at night: long-wavelength photochemistry in the atmosphere. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 5321-6	10.3	21
54	Photochemical Synthesis of Oligomeric Amphiphiles from Alkyl Oxoacids in Aqueous Environments. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6946-6959	16.4	20
53	Sunlight-initiated chemistry of aqueous pyruvic acid: building complexity in the origin of life. <i>Origins of Life and Evolution of Biospheres</i> , <b>2013</b> , 43, 341-52	1.5	20
52	Photodissociation yields for vibrationally excited states of sulfuric acid under atmospheric conditions. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	20
51	Gas phase infrared spectroscopic observation of the organic acid dimers (CH <sub>3</sub> (CH <sub>2</sub> ) <sub>6</sub> COOH) <sub>2</sub> , (CH <sub>3</sub> (CH <sub>2</sub> ) <sub>7</sub> COOH) <sub>2</sub> , and (CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> COOH) <sub>2</sub> . <i>Chemical Physics Letters</i> , <b>2005</b> , 402, 239-244	2.5	20
50	Photodissociation of carbon oxide sulfide and carbon disulfide dimers: competing photochemical pathways. <i>The Journal of Physical Chemistry</i> , <b>1989</b> , 93, 1836-1840		20
49	Photofragmentation of transition-metal-cluster carbonyls in the gas phase. <i>The Journal of Physical Chemistry</i> , <b>1986</b> , 90, 1235-1240		20
48	The spectroscopy of OCLO in polar liquids. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , <b>1992</b> , 48, 1293-1301		19
47	Phonon assisted trap-triplet energy migration in the 0 K limit in crystalline benzene. <i>Journal of Chemical Physics</i> , <b>1977</b> , 66, 2187-2190	3.9	19
46	Spectroscopy of the (no-3s) Rydberg state of isolated and clustered acetaldehyde. <i>The Journal of Physical Chemistry</i> , <b>1988</b> , 92, 5514-5517		17
45	Gas-phase hydrolysis of triplet SO <sub>2</sub> : A possible direct route to atmospheric acid formation. <i>Scientific Reports</i> , <b>2016</b> , 6, 30000	4.9	16
44	Heterogeneous Interactions between Gas-Phase Pyruvic Acid and Hydroxylated Silica Surfaces: A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , <b>2019</b> , 123, 983-991	2.8	16
43	Ultraviolet Spectroscopy of the Gas Phase Hydration of Methylglyoxal. <i>ACS Earth and Space Chemistry</i> , <b>2017</b> , 1, 345-352	3.2	16
42	Emerging areas in atmospheric photochemistry. <i>Topics in Current Chemistry</i> , <b>2014</b> , 339, 1-53		16
41	Measurements of high-resolution ultraviolet-visible absorption cross sections at stratospheric temperatures: 1. Nitrogen dioxide. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 3869-3877		15
40	The Partitioning of Small Aromatic Molecules to Air-Water and Phospholipid Interfaces Mediated by Non-Hydrophobic Interactions. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 7408-22	3.4	14
39	Surface Partitioning and Stability of Pure and Mixed Films of 8-Fluorotelomer Alcohol at the Air-Water Interface. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 11612-11618	3.8	14
38	Dynamics of intermediates in the .alpha.- and .beta.-elimination processes in CpW(CO) <sub>2</sub> Me and CpW(CO) <sub>2</sub> Et measured on the microsecond time scale. <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 2511-2513	16.4	14

37	Overtone spectra of 2-mercaptoethanol and 1,2-ethanedithiol. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 12692-700	2.8	13
36	Temperature-dependent infrared spectra of torsional vibrations in acetic acid. <i>Journal of Molecular Spectroscopy</i> , <b>2005</b> , 229, 151-157	1.3	13
35	Spectroscopic and photochemical perturbations of weak interactions on electronic surfaces of methyl iodide. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1990</b> , 86, 2043		13
34	Fourier transform UV/VIS emission spectroscopy of jet-cooled CN(B $2\pi$ ). <i>Chemical Physics Letters</i> , <b>1989</b> , 157, 295-299	2.5	12
33	Local structure and triplet energy migration in p-dichlorobenzene-p-dibromobenzene solid solutions. <i>Molecular Physics</i> , <b>1978</b> , 35, 965-974	1.7	12
32	Gas-Phase Reaction Kinetics of Pyruvic Acid with OH Radicals: The Role of Tunneling, Complex Formation, and Conformational Structure. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 790-800	2.8	12
31	Water-Air Interfaces as Environments to Address the Water Paradox in Prebiotic Chemistry: A Physical Chemistry Perspective. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 4929-4942	2.8	12
30	Effects of nonresonant ionization on multiphoton ionization line shapes. <i>Journal of Chemical Physics</i> , <b>1981</b> , 75, 4403-4412	3.9	11
29	Intermolecular mixing of electronic states in chemically mixed molecular crystals. <i>Journal of Chemical Physics</i> , <b>1977</b> , 67, 710-714	3.9	11
28	Chemistry and Photochemistry of Pyruvic Acid at the Air-Water Interface. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 1036-1049	2.8	11
27	Reply to Eugene et al.: Photochemistry of aqueous pyruvic acid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E4276	11.5	10
26	Absorption spectroscopy of jet-cooled CS <sub>2</sub> : the linear excited state at 55741 to 60241 cm <sup>-1</sup> . <i>Chemical Physics Letters</i> , <b>1991</b> , 184, 152-158	2.5	10
25	Conformer-Specific Photolysis of Pyruvic Acid and the Effect of Water. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 1240-1252	2.8	9
24	Chemistry and Photochemistry of Pyruvic Acid Adsorbed on Oxide Surfaces. <i>Journal of Physical Chemistry A</i> , <b>2019</b> , 123, 7661-7671	2.8	9
23	Vibrational spectroscopy of perfluorocarboxylic acids from the infrared to the visible regions. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 276-82	3.4	9
22	Gas-phase multiphoton dissociation of iron carbonyls. <i>The Journal of Physical Chemistry</i> , <b>1983</b> , 87, 3635-3638		9
21	Direct absorption spectroscopy of the first excited electronic band of jet-cooled H <sub>2</sub> S. <i>Chemical Physics Letters</i> , <b>1993</b> , 215, 329-335	2.5	8
20	Sequential Two-Photon Dissociation of Atmospheric Water. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 70-75	2.8	7



19	Characterization of the nitric acid-water complex in the infrared and near-infrared region at ambient temperatures in carbon tetrachloride. <i>Chemical Physics Letters</i> , <b>2009</b> , 473, 268-273	2.5	6
18	Photooxidation of CS <sub>2</sub> in the near-ultraviolet and its atmospheric implications. <i>Geophysical Research Letters</i> , <b>1995</b> , 22, 2609-2612	4.9	6
17	Measurements of high-resolution ultraviolet-visible absorption cross sections at stratospheric temperatures: 2. Chlorine dioxide. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 3879-3884		6
16	Comment on "Reactivity of Ketyl and Acetyl Radicals from Direct Solar Actinic Photolysis of Aqueous Pyruvic Acid". <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 8738-8740	2.8	4
15	Photoreactivity of Molecular Aggregates. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , <b>1992</b> , 96, 395-399		4
14	Lactic Acid Spectroscopy: Intra- and Intermolecular Interactions. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 218-229	2.8	4
13	Resolved emission from compound states in chemically mixed crystals. <i>Journal of Chemical Physics</i> , <b>1976</b> , 64, 4224-4225	3.9	3
12	Reactivity of Electronically Excited SO with Alkanes. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 7782-7789		3
11	Spectroscopic Characterization of Supersonic Molecular Beams. <i>Israel Journal of Chemistry</i> , <b>1997</b> , 37, 387-393	3.4	2
10	Gas-phase photofragmentation of Co <sub>3</sub> (CO) <sub>9</sub> CCH <sub>3</sub> . <i>Organometallics</i> , <b>1989</b> , 8, 1614-1615	3.8	2
9	Kinetic Study of Gas-Phase Reactions of Pyruvic Acid with HO. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 2232-2242	2.8	2
8	Publications of Veronica Vaida. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 1168-1174	2.8	1
7	Chemistry in Prebiotic Aerosols: A Mechanism for the Origin of Life <b>2004</b> , 153-165		1
6	Fourier transform spectroscopy of radicals. <i>Advances in Molecular Structure Research</i> , <b>1995</b> , 157-199		1
5	The primary photo-dissociation dynamics of lactate in aqueous solution: decarboxylation prevents dehydroxylation. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 4555-4568	3.6	1
4	Lactic acid photochemistry following excitation of S <sub>0</sub> to S <sub>1</sub> at 220 to 250 nm. <i>Journal of Physical Organic Chemistry</i> , e4316	2.1	0
3	Surface Activity of Perfluorinated Compounds at the Air-Water Interface. <i>ACS Symposium Series</i> , <b>2009</b> , 65-77	0.4	
2	Spectroscopy of Predissociating Molecules <b>1987</b> , 253-261		

- 1 Photodissociation of Gas Phase Metal Clusters **1989**, 353-367