Stephen G Kukolich

List of Publications by Year
in descending order

55	955	430754	501076
papers	citations	18 h-index	28 g-index

57	57	57	593
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Calculations and analysis of 55Mn nuclear quadrupole coupling for asymmetric top acyl methyl manganese pentacarbonyl. Chemical Physics Letters, 2021, 762, 138151.	1.2	2
2	Measurements of microwave and NMR spectra for 15N substituted formamidinium formate. Journal of Molecular Spectroscopy, 2021, 378, 111478.	0.4	0
3	Calculated molecular properties and microwave spectrum analysis for formamidinium formate. Journal of Molecular Spectroscopy, 2020, 372, 111331.	0.4	2
4	Microwave Spectra and Theoretical Calculations for Two Structural Isomers of Methylmanganese Pentacarbonyl. Inorganic Chemistry, 2020, 59, 6432-6438.	1.9	3
5	Synthesis, microwave spectra, x-ray structure, and high-level theoretical calculations for formamidinium formate. Journal of Chemical Physics, 2019, 150, 094305.	1.2	4
6	Microwave Spectra, Structure, and the Aromatic Character of 1-Chloroborepin. Journal of Physical Chemistry A, 2018, 122, 1542-1549.	1.1	1
7	Microwave measurements of the tropoloneâ€“formic acid doubly hydrogen bonded dimer. Journal of Chemical Physics, 2016, 144, 044306.	1.2	4
8	Microwave spectra, molecular structure, and aromatic character of 4a,8a-azaboranaphthalene. Journal of Chemical Physics, 2016, 144, 114303.	1.2	7
9	Rotational spectra and gas phase structure of the maleimide â€“ Formic acid doubly hydrogen bonded dimer. Journal of Molecular Spectroscopy, 2016, 321, 1-4.	0.4	7
10	Microwave spectra and structure of the cyclopropanecarboxylic acid-formic acid dimer. Journal of Chemical Physics, 2015, 143, 124311.	1.2	11
11	Microwave measurements of cyclopropanecarboxylic acid and â€“OD isotopologue. Journal of Molecular Spectroscopy, 2015, 313, 1-3.	0.4	2
12	Microwave Spectrum for a Second Higher Energy Conformer of Cyclopropanecarboxylic Acid and Determination of the Gas Phase Structure of the Ground State. Journal of Physical Chemistry A, 2015, 119, 10016-10021.	1.1	2
13	Identification and characterization of 1,2-BN cyclohexene using microwave spectroscopy. Chemical Physics Letters, 2015, 639, 88-92.	1.2	4
14	Measurements of deuterium quadrupole coupling in propiolic acid and fluorobenzenes using pulsed-beam Fourier transform microwave spectrometers. Journal of Chemical Physics, 2015, 142, 154306.	1.2	0
15	Gas phase measurements of mono-fluoro-benzoic acids and the dimer of 3-fluoro-benzoic acid. Journal of Chemical Physics, 2015, 142, 144303.	1.2	10
16	Microwave spectrum and molecular structure parameters for the 1,2-cyclohexanedione (monoenolic)â€“formic acid dimer. Chemical Physics Letters, 2014, 613, 86-89.	1.2	8
17	Calculations and measurements of the deuterium tunneling frequency in the propiolic acid-formic acid dimer and description of a newly constructed Fourier transform microwave spectrometer. Journal of Chemical Physics, 2013, 139, 084316.	1.2	6
18	Microwave Structure for the Propiolic Acidâ€“Formic Acid Complex. Journal of Physical Chemistry A, 2013, 117, 9525-9530.	1.1	10

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19	Microwave measurements of proton tunneling and structural parameters for the propiolic acidâ€“formic acid dimer. Journal of Chemical Physics, 2011, 135, 154304.	1.2	49
20	Design, construction, and testing of a large-cavity, 1-10 GHz Flygare-Balle spectrometer. Review of Scientific Instruments, 2011, 82, 094103.	0.6	9
21	Microwave spectrum and structural parameters for the formamide-formic acid dimer. Journal of Chemical Physics, 2010, 133, 174304.	1.2	27
22	Communications: Evidence for proton tunneling from the microwave spectrum of the formic acid-propriolic acid dimer. Journal of Chemical Physics, 2010, 132, 201101.	1.2	28
23	Microwave Spectrum, Structural Parameters, and Quadrupole Coupling for 1,2-Dihydro-1,2-azaborine. Journal of the American Chemical Society, 2010, 132, 5501-5506.	6.6	40
24	Microwave measurements and ab initio calculations of structural and electronic properties of N-Et-1,2-azaborine. Journal of Chemical Physics, 2009, 131, 224312.	1.2	24
25	The rotational spectrum and structure for the argon-cyclopentadienyl thallium van der Waals complex: Experimental and computational studies of noncovalent bonding in an organometallic Ï€-complex. Journal of Chemical Physics, 2008, 129, 054305.	1.2	8
26	Microwave Spectra and Gas-Phase Structural Parameters of Bis(Î·5-cyclopentadienyl)tungsten Dihydride. Organometallics, 2007, 26, 2070-2076.	1.1	46
27	Microwave Spectroscopy Measurements of the Gas-Phase Structure of Cyclopentadienyltungsten Tricarbonyl Hydride. Organometallics, 2005, 24, 2848-2853.	1.1	4
28	Microwave Measurements of 14N and D Quadrupole Coupling for (Z)-2-Hydroxypyridine and 2-Pyridone Tautomers. Journal of Physical Chemistry A, 2004, 108, 9531-9539.	1.1	31
29	Microwave Spectroscopy Measurements of Rotational Spectra and DFT Calculations for Two Distinct Structural Isomers of 1,1â€˜-Dimethylferrocene. Journal of the American Chemical Society, 2004, 126, 844-850.	6.6	25
30	Molecular Structure ofo-Benzyne from Microwave Measurements. Journal of Physical Chemistry A, 2004, 108, 2645-2651.	1.1	25
31	Measurements of microwave spectra and structural parameters for methylferrocene. Journal of Chemical Physics, 2002, 117, 3741-3747.	1.2	14
32	The gas-phase structure of chloroferrocene from microwave spectra. Journal of Chemical Physics, 2000, 112, 747-751.	1.2	16
33	Structural Characterization ofanti- andsyn-Allyltricarbonyliron Bromide:Â Rotational Spectra, Quadrupole Coupling, and Density Functional Calculations. Inorganic Chemistry, 2000, 39, 827-835.	1.9	4
34	Microwave Spectra and the Molecular Structure of Tetracarbonylethyleneiron. Journal of the American Chemical Society, 1999, 121, 4023-4030.	6.6	16
35	Microwave measurements and calculations on the molecular structure of tetracarbonyldihydroruthenium. Journal of Chemical Physics, 1998, 109, 9473-9478.	1.2	8
36	Molecular Structure of Tetracarbonyldihydroiron:Â Microwave Measurements and Density Functional Theory Calculations. Journal of the American Chemical Society, 1998, 120, 6774-6780.	6.6	21

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37	Measurements of structural and quadrupole coupling parameters for bromoferrocene using microwave spectroscopy. Journal of Chemical Physics, 1997, 107, 6541-6548.	1.2	18
38	Gas-Phase Conformational Analysis of 1,4,7-Trithiacyclononane. Journal of Physical Chemistry A, 1997, 101, 9180-9184.	1.1	8
39	Measurements of the microwave spectrum, Reâ€“H bond length, and Re quadrupole coupling for HRe(CO)5. Journal of Chemical Physics, 1993, 99, 6465-6469.	1.2	23
40	Comment on: Structure of H2Sâ€“SO2. Journal of Chemical Physics, 1990, 93, 871-872.	1.2	9
41	Deuterium quadrupole coupling in BD3CO. Journal of Chemical Physics, 1982, 77, 4312-4317.	1.2	13
42	Beam maser spectroscopy on J = 1â€‰â†'â€‰2, K = 1, and K = 0 transitions in CH3CN and CH3â€‰13CN. Journal of Chemical Physics, 1982, 76, 97-101.	1.2	33
43	Beam maser measurements of hyperfine structure in chloroacetylene-d. Journal of Molecular Spectroscopy, 1982, 94, 95-99.	0.4	13
44	Beam maser measurements of distortion effects on quadrupole coupling in NH3. Journal of Chemical Physics, 1974, 61, 3780-3784.	1.2	14
45	Microwave Spectroscopy and Molecular Structure: Some Undergraduate Laboratory Projects. American Journal of Physics, 1973, 41, 1084-1086.	0.3	2
46	Highâ€Resolution Molecular Zeeman Measurements in CH2F2; Observation of 19F Chemical Shift Anisotropy. Journal of Chemical Physics, 1972, 56, 4446-4449.	1.2	18
47	Variation of Cl Quadrupole Coupling with Isotopic Substitution in CH3Cl. Journal of Chemical Physics, 1972, 57, 4052-4054.	1.2	13
48	High Resolution Measurements of Hyperfine Structure in the Rotational Spectrum of CH3NC. Journal of Chemical Physics, 1972, 57, 869-871.	1.2	34
49	Deuterium Quadrupole Coupling in Formyl Fluoride. Journal of Chemical Physics, 1971, 55, 610-612.	1.2	10
50	Molecular Beam Measurement of the Magnetic Susceptibility Anisotropies and Molecular Quadrupole Moment in H2CO. Journal of Chemical Physics, 1971, 54, 8-11.	1.2	25
51	Highâ€Resolution Measurements of 35Cl and D Quadrupole Coupling in CH2DCl and CD3Cl. Journal of Chemical Physics, 1971, 55, 4488-4493.	1.2	27
52	Measurements of Deuterium Quadrupole Coupling in Formic Acid. Journal of Chemical Physics, 1969, 51, 358-360.	1.2	15
53	Measurements of Hyperfine Structure in NH2D. Journal of Chemical Physics, 1968, 49, 5523-5525.	1.2	37
54	Hyperfine Structure ofN15H3. Physical Review, 1968, 172, 59-63.	2.7	28

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55	Measurement of Ammonia Hyperfine Structure with a Two-Cavity Maser. Physical Review, 1967, 156, 83-92.	2.7	123