Tony C Smith

List of Publications by Year
in descending order

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Version: 2024-02-01

21	277	933447	888059
papers	citations	10 h-index	17 g-index

21	21	21	153
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The electronic spectrum, molecular structure, and oscillatory fluorescence decay of jet-cooled germylidene (H2C=74Ge), the simplest unsaturated germylene. Journal of Chemical Physics, 1999, 111, 950-958.	3.0	50
2	The electronic spectrum of silicon methylidyne (SiCH), a molecule with a siliconâ€“carbon triple bond in the excited state. Journal of Chemical Physics, 2000, 112, 3662-3670.	3.0	37
3	Orbital angular momentum (Rennerâ€“Teller) effects in the [sup 2]Î[sub i] ground state of silicon methylidyne (SiCH). Journal of Chemical Physics, 2001, 114, 725.	3.0	26
4	Laser optogalvanic and jet spectroscopy of germylene (GeH2): New spectroscopic data for an important semiconductor growth intermediate. Journal of Chemical Physics, 2000, 113, 9567-9576.	3.0	24
5	Spectroscopic Characterization of Silicon and Germanium Methylidyne:Â Fundamental Astrophysical and Organometallic Building Blocks. Journal of the American Chemical Society, 1999, 121, 6068-6069.	13.7	23
6	Discovery of the optically forbidden S1â€“S0 transition of silylidene (H2C=Si). Journal of Chemical Physics, 2003, 118, 1642-1648.	3.0	22
7	The electronic spectrum of germanium methylidyne (GeCH), the prototypical organogermanium compound. Journal of Chemical Physics, 2000, 112, 8417-8425.	3.0	15
8	The Renner-Teller effect and Sears resonances in the ground state of the GeCH and GeCD free radicals. Journal of Chemical Physics, 2003, 119, 10115-10124.	3.0	15
9	Hyperfine structure and the Stark effect in the electronic spectrum of the SiCH radical with implications for microwave spectroscopy and radioastronomy. Journal of Chemical Physics, 2001, 115, 817-823.	3.0	14
10	The ground state of silylidene (H2C=Si), the silicon analog of vinylidene, from stimulated emission pumping and wavelength-resolved fluorescence spectroscopy. Journal of Chemical Physics, 2001, 114, 9012-9019.	3.0	13
11	The electronic spectrum of monoiodosilylene (HSiI) revisited. Journal of Chemical Physics, 1998, 109, 7827-7834.	3.0	12
12	Spectroscopic detection of the SiCCl free radical. Journal of Chemical Physics, 2002, 117, 6446-6449.	3.0	9
13	Detection and characterization of the tin dihydride (SnH2 and SnD2) molecule in the gas phase. Journal of Chemical Physics, 2018, 148, 024302.	3.0	8
14	Determination of the electric dipole moment and excited state Fermi contact parameter of the GeCH radical. Journal of Chemical Physics, 2001, 115, 5047-5052.	3.0	5
15	Laser-induced fluorescence detection of the elusive SiCF free radical. Journal of Chemical Physics, 2018, 149, 024301.	3.0	1
16	Identification of the Jahnâ€“Teller active trichlorosiloxy (SiCl3O) free radical in the gas phase. Journal of Chemical Physics, 2020, 152, 194303.	3.0	1
17	Barely fluorescent molecules I: Twin-discharge jet laser-induced fluorescence spectroscopy of HSnCl and DSnCl. Journal of Chemical Physics, 2022, 156, 184307.	3.0	1
18	Spectroscopic identification and characterization of the aluminum methylene (AlCH2) free radical. Journal of Chemical Physics, 2022, 157, .	3.0	1

#	Article	IF	Citations
19	The high-resolution LIF spectrum of the SiCCl free radical: Probing the silicon-carbon triple bond. Journal of Molecular Spectroscopy, 2019, 359, 22-30.	1.2	0
20	The electronic spectrum of the jet-cooled stibino (SbH2) free radical. Journal of Chemical Physics, 2020, 152, 044307.	3.0	0
21	Barely fluorescent molecules. II. Twin-discharge jet laser-induced fluorescence spectroscopy of HSnBr and DSnBr. Journal of Chemical Physics, 2022, 156, 184308.	3.0	0