

# Tony C Smith

## List of Publications by Year in descending order

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21  
papers

277  
citations

933447

10  
h-index

888059

17  
g-index

21  
all docs

21  
docs citations

21  
times ranked

153  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | <b>Barely fluorescent molecules I: Twin-discharge jet</b><b> laser-induced fluorescence spectroscopy of HSnCl and DSnCl</b>. Journal of Chemical Physics, 2022, 156, 184307.   | 3.0 | 1         |
| 2  | 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         |
| 3  | Spectroscopic identification and characterization of the aluminum methylene (AlCH <sub>2</sub> ) free radical. Journal of Chemical Physics, 2022, 157, .   | 3.0 | 1         |
| 4  | The electronic spectrum of the jet-cooled stibino (SbH <sub>2</sub> ) free radical. Journal of Chemical Physics, 2020, 152, 044307.  | 3.0 | 0         |
| 5  | Identification of the Jahn–Teller active trichlorosiloxy (SiCl <sub>3</sub> O) free radical in the gas phase. Journal of Chemical Physics, 2020, 152, 194303.  | 3.0 | 1         |
| 6  | 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         |
| 7  | Detection and characterization of the tin dihydride (SnH <sub>2</sub> and SnD <sub>2</sub> ) molecule in the gas phase. Journal of Chemical Physics, 2018, 148, 024302.  | 3.0 | 8         |
| 8  | Laser-induced fluorescence detection of the elusive SiCF free radical. Journal of Chemical Physics, 2018, 149, 024301.   | 3.0 | 1         |
| 9  | Discovery of the optically forbidden S <sub>1</sub> ←S <sub>0</sub> transition of silylidene (H <sub>2</sub> C=Si). Journal of Chemical Physics, 2003, 118, 1642-1648.   | 3.0 | 22        |
| 10 | 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        |
| 11 | Spectroscopic detection of the SiCCl free radical. Journal of Chemical Physics, 2002, 117, 6446-6449.  | 3.0 | 9         |
| 12 | Orbital angular momentum (Renner–Teller) effects in the [ <sup>2</sup> Σ <sub>g</sub> <sup>+</sup> ] ground state of silicon methylidyne (SiCH). Journal of Chemical Physics, 2001, 114, 725.                                  | 3.0 | 26        |
| 13 | 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        |
| 14 | The ground state of silylidene (H <sub>2</sub> C=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        |
| 15 | 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         |
| 16 | Laser optogalvanic and jet spectroscopy of germylene (GeH <sub>2</sub> ): New spectroscopic data for an important semiconductor growth intermediate. Journal of Chemical Physics, 2000, 113, 9567-9576.                        | 3.0 | 24        |
| 17 | The electronic spectrum of silicon methylidyne (SiCH), a molecule with a silicon–carbon triple bond in the excited state. Journal of Chemical Physics, 2000, 112, 3662-3670.   | 3.0 | 37        |
| 18 | The electronic spectrum of germanium methylidyne (GeCH), the prototypical organogermanium compound. Journal of Chemical Physics, 2000, 112, 8417-8425.   | 3.0 | 15        |

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|----|---|------|-----------|
| 19 | The electronic spectrum, molecular structure, and oscillatory fluorescence decay of jet-cooled germlydene ( $H_2C=74Ge$ ), the simplest unsaturated germylene. <i>Journal of Chemical Physics</i> , 1999, 111, 950-958. | 3.0  | 50        |
| 20 | Spectroscopic Characterization of Silicon and Germanium Methylidyne: A Fundamental Astrophysical and Organometallic Building Blocks. <i>Journal of the American Chemical Society</i> , 1999, 121, 6068-6069.            | 13.7 | 23        |
| 21 | The electronic spectrum of moniodosilylene ( $HSiI$ ) revisited. <i>Journal of Chemical Physics</i> , 1998, 109, 7827-7834.   | 3.0  | 12        |