Edwin L Sibert Iii

List of Publications by Year in descending order

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107 papers 4,079 citations

34 h-index 60 g-index

107 all docs

107 docs citations

107 times ranked

1786 citing authors

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Single-conformation spectroscopy of cold, protonated ^D PG-containing peptides: switching β-turn types and formation of a sequential type II/II′ double β-turn. Physical Chemistry Chemical Physics, 2022, 24, 2095-2109. | 2.8 | 5 |
| 2 | The Raman jet spectrum of <i>trans</i> -formic acid and its deuterated isotopologs: Combining theory and experiment to extend the vibrational database. Journal of Chemical Physics, 2021, 154, 064301. | 3.0 | 14 |
| 3 | A phase diagram for energy flow-limited reactivity. Journal of Chemical Physics, 2021, 154, 104301. | 3.0 | 3 |
| 4 | Spectroscopic Manifestations of Indirect Vibrational State Mixing: Novel Anharmonic Effects on a Prereactive H Atom Transfer Surface. Journal of Physical Chemistry A, 2021, 125, 7318-7330. | 2.5 | 9 |
| 5 | Cyclohexane Vibrations: High-Resolution Spectra and Anharmonic Local Mode Calculations. Journal of Physical Chemistry A, 2020, 124, 9991-10000. | 2.5 | 12 |
| 6 | The missing NH stretch fundamental in S ₁ methyl anthranilate: IR-UV double resonance experiments and local mode theory. Physical Chemistry Chemical Physics, 2020, 22, 14077-14087. | 2.8 | 10 |
| 7 | Self-thermophoresis at the nanoscale using light induced solvation dynamics. Nanoscale, 2020, 12, 7557-7562. | 5.6 | 4 |
| 8 | Neopentane Vibrations: High Resolution Spectra and Anharmonic Calculations. Journal of Physical Chemistry A, 2020, 124, 3438-3444. | 2.5 | 5 |
| 9 | Isobutane Infrared Bands: Partial Rotational Assignments, ab Initio Calculations, and Local Mode Analysis. Journal of Physical Chemistry A, 2019, 123, 6185-6193. | 2.5 | 10 |
| 10 | Vibronic spectroscopy of methyl anthranilate and its water complex: hydrogen atom dislocation in the excited state. Physical Chemistry Chemical Physics, 2019, 21, 21355-21369. | 2.8 | 7 |
| 11 | Modeling vibrational anharmonicity in infrared spectra of high frequency vibrations of polyatomic molecules. Journal of Chemical Physics, 2019, 150, 090901. | 3.0 | 29 |
| 12 | Large-Scale, Team-Based Curriculum Transformation and Student Engagement in General Chemistry I and II. ACS Symposium Series, 2019, , 113-134. | 0.5 | O |
| 13 | Assigning the low lying vibronic states of CH3O and CD3O. Journal of Chemical Physics, 2017, 146, 174112. | 3.0 | 5 |
| 14 | Identifying the first folded alkylbenzene via ultraviolet, infrared, and Raman spectroscopy of pentylbenzene through decylbenzene. Chemical Science, 2017, 8, 5305-5318. | 7.4 | 25 |
| 15 | Fingerprints of inter- and intramolecular hydrogen bonding in saligenin–water clusters revealed by mid- and far-infrared spectroscopy. Physical Chemistry Chemical Physics, 2017, 19, 20343-20356. | 2.8 | 21 |
| 16 | Infrared-Enhanced Fluorescence-Gain Spectroscopy: Conformation-Specific Excited-State Infrared Spectra of Alkylbenzenes. Journal of Physical Chemistry Letters, 2017, 8, 5296-5300. | 4.6 | 5 |
| 17 | Infrared absorption spectra of partially deuterated methoxy radicals CH2DO and CHD2O isolated in solid <i>para</i> -hydrogen. Journal of Chemical Physics, 2017, 147, 154305. | 3.0 | 16 |
| 18 | Conformation-specific spectroscopy of alkyl benzyl radicals: Effects of a radical center on the CH stretch infrared spectrum of an alkyl chain. Journal of Chemical Physics, 2016, 145, 124314. | 3.0 | 17 |

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| 19 | Infrared laser spectroscopy of the <i>n</i> -propyl and <i>i</i> -propyl radicals: Stretch-bend Fermi coupling in the alkyl CH stretch region. Journal of Chemical Physics, 2016, 145, 224304. | 3.0 | 19 |
| 20 | Anharmonic modeling of the conformation-specific IR spectra of ethyl, <i>n</i> -butylbenzene. Journal of Chemical Physics, 2016, 144, 224310. | 3.0 | 37 |
| 21 | Isomer-Specific Spectroscopy of Benzene–(H ₂ O) _{<i>n</i>} , <i>n</i> > = 6,7: Benzene's Role in Reshaping Water's Three-Dimensional Networks. Journal of Physical Chemistry Letters, 2015, 6, 1989-1995. | 4.6 | 42 |
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| 23 | Modeling the CH Stretch Vibrational Spectroscopy of M $<$ sup $>+sup>[Cyclohexane] (M = Li, Na, and K) lons. Journal of Physical Chemistry A, 2015, 119, 10293-10299.$ | 2.5 | 18 |
| 24 | Tunneling splittings in formic acid dimer: An adiabatic approximation to the Herring formula. Journal of Chemical Physics, 2015, 142, 084115. | 3.0 | 15 |
| 25 | Local Mode Approach to OH Stretch Spectra of Benzeneâ€"(H ₂ O) _{<i>n</i>} Clusters, <i>n</i> = 2â€"7. Journal of Physical Chemistry A, 2015, 119, 9917-9930. | 2.5 | 30 |
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| 27 | Fermi Resonance Effects in the Vibrational Spectroscopy of Methyl and Methoxy Groups. Journal of Physical Chemistry A, 2014, 118, 11272-11281. | 2.5 | 41 |
| 28 | Ground and excited state infrared spectroscopy of jet-cooled radicals: Exploring the photophysics of trihydronaphthyl and inden-2-ylmethyl. Journal of Chemical Physics, 2014, 140, 214302. | 3.0 | 14 |
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| 36 | Infrared Spectra at a Conical Intersection: Vibrations of Methoxy. Journal of Physical Chemistry A, 2012, 116, 3846-3855. | 2.5 | 13 |

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| 37 | Local-Mode Approach to Modeling Multidimensional Infrared Spectra of Metal Carbonyls. Journal of Physical Chemistry A, 2011, 115, 5354-5363. | 2.5 | 24 |
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| 44 | Vibrational Relaxation of OH and CH Fundamentals of Polar and Nonpolar Molecules in the Condensed Phase. Journal of Physical Chemistry A, 2008, 112, 11291-11305. | 2.5 | 14 |
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