

# Barratt Park

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6566439/publications.pdf>

Version: 2024-02-01

32  
papers

715  
citations

623734

14  
h-index

526287

27  
g-index

32  
all docs

32  
docs citations

32  
times ranked

646  
citing authors



#	ARTICLE	IF	CITATIONS
19	Communication: Observation of local-bender eigenstates in acetylene. <i>Journal of Chemical Physics</i> , 2015, 143, 071101.	3.0	3
20	Simplified Cartesian Basis Model for Intrapolyad Emission Intensities in the Bent-to-Linear Electronic Transition of Acetylene. <i>Journal of Physical Chemistry A</i> , 2015, 119, 857-865.	2.5	3
21	Edge effects in chirped-pulse Fourier transform microwave spectra. <i>Journal of Molecular Spectroscopy</i> , 2015, 312, 54-57.	1.2	7
22	Millimeter-wave optical double resonance schemes for rapid assignment of perturbed spectra, with applications to the C <sub>1</sub> f <sub>1</sub> B <sub>2</sub> state of SO <sub>2</sub> . <i>Journal of Chemical Physics</i> , 2015, 142, 144201.	3.0	18
23	Chirped-pulse millimeter-wave spectroscopy for dynamics and kinetics studies of pyrolysis reactions. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15739-15751.	2.8	54
24	A chirped-pulse Fourier-transform microwave/pulsed uniform flow spectrometer. II. Performance and applications for reaction dynamics. <i>Journal of Chemical Physics</i> , 2014, 141, 214203.	3.0	54
25	Full dimensional Franck-Condon factors for the acetylene A <sub>1</sub> g <sup>+</sup> transition. II. Vibrational overlap factors for levels involving excitation in ungerade modes. <i>Journal of Chemical Physics</i> , 2014, 141, 134305.	3.0	8
26	Full dimensional Franck-Condon factors for the acetylene A <sub>1</sub> g <sup>+</sup> transition. I. Method for calculating polyatomic linear-bent vibrational intensity factors and evaluation of calculated intensities for the gerade vibrational modes in acetylene. <i>Journal of Chemical Physics</i> , 2014, 141, 134304.	3.0	9
27	A chirped-pulse Fourier-transform microwave/pulsed uniform flow spectrometer. I. The low-temperature flow system. <i>Journal of Chemical Physics</i> , 2014, 141, 154202.	3.0	46
28	A new approach toward transition state spectroscopy. <i>Faraday Discussions</i> , 2013, 163, 33.	3.2	39
29	Laser-Induced Fluorescence Study of the S <sub>1</sub> State of Doubly-Substituted <sup>13</sup> C Acetylene and Harmonic Force Field Determination. <i>Journal of Physical Chemistry A</i> , 2013, 117, 13696-13703.	2.5	9
30	Chirped-Pulse Millimeter-Wave Spectroscopy of Rydberg-Rydberg Transitions. <i>Physical Review Letters</i> , 2011, 107, 143001.	7.8	22
31	Design and evaluation of a pulsed-jet chirped-pulse millimeter-wave spectrometer for the 70-102 GHz region. <i>Journal of Chemical Physics</i> , 2011, 135, 024202.	3.0	70
32	Binary and Ternary Complexes Containing $\beta$ -Cyclodextrin and Bromonaphthalene Derivatives: A Note of Caution in Interpreting UV Absorption Spectral Data. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22510-22516.	2.6	2