

# BNRajasekhar

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

133  
citations

1307594

7  
h-index

1281871

11  
g-index

20  
all docs

20  
docs citations

20  
times ranked

165  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mid-IR and VUV spectroscopic characterisation of thermally processed and electron irradiated CO <sub>2</sub> astrophysical ice analogues. <i>Journal of Molecular Spectroscopy</i> , 2022, 385, 111599.	1.2	9
2	New Signatures of Bio-Molecular Complexity in the Hypervelocity Impact Ejecta of Icy Moon Analogues. <i>Life</i> , 2022, 12, 508.	2.4	5
3	Vacuum ultraviolet photoabsorption spectra of an in-situ synthesized peptide precursor: hydroxylamine on a cold astrochemical dust analogue. <i>European Physical Journal D</i> , 2022, 76, 1.	1.3	1
4	A spectroscopic study of benzonitrile. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2022, 283, 108159.	2.3	3
5	Preparation of low cost NaCl single crystal for IR optical window applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 24971-24979.	2.2	2
6	Electronic and vibrational spectroscopy of ethyl methyl carbonate: A comparative experimental and theoretical study. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 272, 107789.	2.3	8
7	Electronic states of nitromethane: Experimental and theoretical studies. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 276, 107933.	2.3	6
8	The electronic absorption spectrum of Anisole studied by photoabsorption spectroscopy and quantum chemical calculations. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 242, 106782.	2.3	5
9	Shock Processing of Amino Acids Leading to Complex Structures—Implications to the Origin of Life. <i>Molecules</i> , 2020, 25, 5634.	3.8	19
10	UV/Vis+ photochemistry database: Structure, content and applications. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 253, 107056.	2.3	14
11	Electronic spectroscopy of ethanol: An experimental and theoretical study. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 237, 106609.	2.3	7
12	Spectroscopy of diethyl carbonate, a green solvent: An experimental and theoretical study. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 217, 53-62.	2.3	7
13	Experimental and computational VUV photoabsorption study of dimethyl carbonate: A green solvent. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 217, 116-125.	2.3	11
14	Experimental and computational studies on the electronic excited states of nitrobenzene. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 184, 89-99.	2.3	12
15	Photoabsorption spectra of tetramethylsilane in the energy region 6 eV–11.5 eV. <i>Indian Journal of Physics</i> , 2016, 90, 1087-1094.	1.8	0
16	Excited states of aniline by photoabsorption spectroscopy in the 30 000–90 000 cm <sup>-1</sup> region using synchrotron radiation. <i>Journal of Chemical Physics</i> , 2013, 139, 064303.	3.0	20
17	Photo-Absorption Studies on Formaldehyde Using Synchrotron Radiation at Indus I. <i>Spectroscopy Letters</i> , 2012, 45, 65-73.	1.0	2