Joydeep Choudhury

List of Publications by Year
in descending order

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18	264	1040056 9	940533 16
papers	citations	h-index	g-index

18	18	18	28
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An algebraic approach to the study of the vibrational spectra of HCN. Molecular Physics, 2006, 104, 3051-3055.	1.7	45
2	An algebraic approach to the comparative study of the vibrational spectra of monofluoroacetylene (HCCF) and deuterated acetylene (HCCD). Molecular Physics, 2008, 106, 693-702.	1.7	36
3	Vibrational spectroscopy of SnBr4 and CCl4 using Lie algebraic approach. Pramana - Journal of Physics, 2008, 71, 439-445.	1.8	32
4	Vibrational spectroscopy of Cmâ€“H, CÎ²â€“CÎ²stretching vibrations of Nickel metalloporphyrins: An algebraic approach. Molecular Physics, 2008, 106, 1733-1737.	1.7	32
5	U (2) algebraic model applied to vibrational spectra of Nickel Metalloporphyrins. Journal of Molecular Spectroscopy, 2009, 255, 183-188.	1.2	26
6	Vibrational Spectroscopy of CH/CD Stretches in Propadiene: An Algebraic Approach. Chinese Physics Letters, 2009, 26, 020308.	3.3	20
7	Vibrational spectra of nickel metalloporphyrins: An algebraic approach. Pramana - Journal of Physics, 2009, 72, 517-525.	1.8	16
8	Vibrational Spectroscopy of Stretching and Bending Modes of Nickel Tetraphenyl Porphyrin: an Algebraic Approach. Chinese Physics Letters, 2009, 26, 093301.	3.3	12
9	Vibrational spectroscopy of C m -C/C b -C b stretching vibrations of copper tetramesityl porphyrin: An algebraic approach. Pramana - Journal of Physics, 2010, 74, 57-66.	1.8	12
10	Study of the vibrational spectra of SO2, H2O18 and D2O16 using the U(4) algebraic model. Vibrational Spectroscopy, 2011, 56, 99-104.	2.2	10
11	Vibrational spectrum of CF4 isotopes in an algebraic model. Pramana - Journal of Physics, 2009, 73, 881-887.	1.8	5
12	Vibrational spectroscopy of bio-molecules: an algebraic approach. Indian Journal of Physics, 2010, 84, 647-652.	1.8	5
13	Vibrational spectra of H2O and CF4 molecules using Lie algebraic approach. Indian Journal of Physics, 2010, 84, 659-664.	1.8	5
14	Study of the vibrational spectra of bent XYZ molecule: An algebraic approach. Vibrational Spectroscopy, 2012, 60, 63-67.	2.2	4
15	Overtone spectra of porphyrins and its substituted forms: an algebraic approach. Journal of Biophysical Chemistry, 2010, 01, 119-132.	0.5	2
16	Infrared Spectra of PH₃and NF₃: An Algebraic Approach. Chinese Physics Letters, 2013, 30, 070301.	3.3	2
17	Lie Algebraic Study of Infra-Red Active Spectra of Single-Layer Graphene. Polycyclic Aromatic Compounds, 2014, 34, 214-224.	2.6	0
18	Theoretical Study of Vibrational Spectra of Triatomic Molecules Using Lie Algebraic Approach. Journal of Computational and Theoretical Nanoscience, 2017, 14, 2364-2367.	0.4	0