

# Bikram Nath

## List of Publications by Year in descending order

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10  
papers

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2682572

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2272923

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docs citations

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times ranked

12  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal control theory in adaptive simulated annealing technique: optimisation of laser pulse for selective vibrational excitations and photo-dissociation of HBr+. Molecular Physics, 2013, 111, 3200-3207.	1.7	8
2	Laser pulse design using optimal control theory-based adaptive simulated annealing technique: vibrational transitions and photo-dissociation. Molecular Physics, 2014, 112, 2085-2092.	1.7	3
3	Role of polar medium on laser induced dissociation dynamics of ClCN: A theoretical study. Computational and Theoretical Chemistry, 2014, 1048, 54-61.	2.5	2
4	Theoretical study of Zeno and anti-Zeno effects on photodissociation dynamics: A model approach. Journal of Theoretical and Computational Chemistry, 2016, 15, 1650070.	1.8	2
5	Thermal modulation in Zeno and anti-Zeno effects on quantum measurement. Molecular Physics, 2017, 115, 2961-2969.	1.7	2
6	Flow Cytometric Analysis of Protein Aggregates. Protein and Peptide Letters, 2018, 24, 969-973.	0.9	2
7	Rectify the effect of measurement in survival probability of the ground vibrational state in diatomic molecule. International Journal of Modern Physics B, 2019, 33, 1950177.	2.0	2
8	Modeling Photo-dissociation Dynamics of HBr+ by Vibrational Wave-packet Formalism. Chinese Journal of Chemical Physics, 2012, 25, 269-276.	1.3	1
9	Effect of Environment on Photo-detachment Dynamics of Halide Ions: A Model Approach. Chinese Journal of Chemical Physics, 2010, 23, 30-38.	1.3	0
10	Design of laser pulse to enhance the photo-dissociation of a tri-atomic molecular system using optimal control theory based adaptive simulated annealing technique. Chemical Physics Letters, 2022, 802, 139765.	2.6	0