

Anirban Mandal

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Quantum transition probabilities due to overlapping electromagnetic pulses: Persistent differences between Dirac's form and nonadiabatic perturbation theory. <i>Journal of Chemical Physics</i> , 2021, 154, 024116.	1.2	1
2	Variance of the energy of a quantum system in a time-dependent perturbation: Determination by nonadiabatic transition probabilities. <i>Journal of Chemical Physics</i> , 2020, 152, 104110.	1.2	3
3	Nonadiabatic transition probabilities in a time-dependent Gaussian pulse or plateau pulse: Toward experimental tests of the differences from Dirac's transition probabilities. <i>Journal of Chemical Physics</i> , 2018, 149, 204110.	1.2	3
4	Quantum transition probabilities during a perturbing pulse: Differences between the nonadiabatic results and Fermi's golden rule forms. <i>Journal of Chemical Physics</i> , 2018, 148, 194107.	1.2	6
5	Response to "Comment on 'Gauge-invariant expectation values of the energy of a molecule in an electromagnetic field' [J. Chem. Phys. 145, 147102 (2016)]. <i>Journal of Chemical Physics</i> , 2016, 145, 147103. ^{1,2}		1
6	Gauge-invariant expectation values of the energy of a molecule in an electromagnetic field. <i>Journal of Chemical Physics</i> , 2016, 144, 044109.	1.2	8
7	Non-adiabatic current densities, transitions, and power absorbed by a molecule in a time-dependent electromagnetic field. <i>Journal of Chemical Physics</i> , 2015, 143, 034102.	1.2	10
8	Interaction-induced dipoles of hydrogen molecules colliding with helium atoms: A new <i>ab initio</i> dipole surface for high-temperature applications. <i>Journal of Chemical Physics</i> , 2012, 136, 044320.	1.2	11
9	Adiabatic and nonadiabatic contributions to the energy of a system subject to a time-dependent perturbation: Complete separation and physical interpretation. <i>Journal of Chemical Physics</i> , 2012, 137, 164109.	1.2	11