Anirban Mandal

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2623156/publications.pdf

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9	54	1683934 5	1588896 8
papers	citations	h-index	g-index

9	9	9	35
all docs	docs citations	times ranked	citing authors

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