Bing Gu

List of Publications by Citations

29 papers	330 citations	12 h-index	17 g-index
36 ext. papers	425 ext. citations	6.2 avg, IF	4.69 L-index

#	Paper	IF	Citations
29	Manipulating nonadiabatic conical intersection dynamics by optical cavities. *Chemical Science*, **2019**, 11, 1290-1298	9.4	34
28	Generalized Theory for the Timescale of Molecular Electronic Decoherence in the Condensed Phase. *Journal of Physical Chemistry Letters*, **2018**, 9, 773-778	6.4	29
27	The Schrödinger equation with friction from the quantum trajectory perspective. *Journal of Chemical Physics*, **2013**, 138, 054107	3.9	27
26	Quantifying Early Time Quantum Decoherence Dynamics through Fluctuations. *Journal of Physical Chemistry Letters*, **2017**, 8, 4289-4294	6.4	23
25	Cooperative Conical Intersection Dynamics of Two Pyrazine Molecules in an Optical Cavity. *Journal of Physical Chemistry Letters*, **2020**, 11, 5555-5562	6.4	20
24	Quantum Dynamics with Gaussian Bases Defined by the Quantum Trajectories. *Journal of Physical Chemistry A*, **2016**, 120, 3023-31	2.8	19
23	Estimation of the Ground State Energy of an Atomic Solid by Employing Quantum Trajectory Dynamics with Friction. *Journal of Chemical Theory and Computation*, **2015**, 11, 2891-9	6.4	17
22	Lessons on electronic decoherence in molecules from exact modeling. *Journal of Chemical Physics*, **2018**, 148, 134304	3.9	16
21	When can time-dependent currents be reproduced by the Landauer steady-state approximation?. *Journal of Chemical Physics*, **2017**, 146, 174101	3.9	15
20	Partial hydrodynamic representation of quantum molecular dynamics. *Journal of Chemical Physics*, **2017**, 146, 194104	3.9	15
19	Manipulating Two-Photon-Absorption of Cavity Polaritons by Entangled Light. *Journal of Physical Chemistry Letters*, **2020**, 11, 8177-8182	6.4	14
18	Imaging conical intersection dynamics during azobenzene photoisomerization by ultrafast X-ray diffraction. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	14
17	When can quantum decoherence be mimicked by classical noise?. *Journal of Chemical Physics*, **2019**, 151, 014109	3.9	12
16	Optical-Cavity Manipulation of Conical Intersections and Singlet Fission in Pentacene Dimers. *Journal of Physical Chemistry Letters*, **2021**, 12, 2052-2056	6.4	11
15	Hong-Ou-Mandel interferometry and spectroscopy using entangled photons. *Communications Physics*, **2021**, 4,	5.4	10
14	Optical absorption properties of laser-driven matter. *Physical Review A*, **2018**, 98,	2.6	10
13	Pillars of assembled pyridyl bis-urea macrocycles: a robust synthon to organize diiodotetrafluorobenzenes. *CrystEngComm*, **2017**, 19, 484-491	3.3	8

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12	Electronic interactions do not affect electronic decoherence in the pure-dephasing limit. *Journal of Chemical Physics*, **2018**, 149, 174115	3.9	7
11	Investigations of Molecular Optical Properties Using Quantum Light and Hong-Ou-Mandel Interferometry. *Journal of the American Chemical Society*, **2021**, 143, 9070-9081	16.4	4
10	Toward the laser control of electronic decoherence. *Journal of Chemical Physics*, **2020**, 152, 184305	3.9	3
9	Calculation of the Quantum-Mechanical Tunneling in Bound Potentials. *Journal of Theoretical Chemistry*, **2014**, 2014, 1-11		3
8	Manipulating Core Excitations in Molecules by X-Ray Cavities. *Physical Review Letters*, **2021**, 126, 053201	7.4	3
7	Manipulating valence and core electronic excitations of a transition-metal complex using UV/Vis and X-ray cavities. *Chemical Science*, **2021**, 12, 8088-8095	9.4	3
6	Determination of the collective modes from the quantum-mechanical time-correlation functions. *Theoretical Chemistry Accounts*, **2015**, 134, 1	1.9	2
5	Diagrammatic time-local master equation for open quantum systems. *Physical Review A*, **2020**, 101,	2.6	2
4	Symmetrization of the nuclear wavefunctions defined by the quantum trajectory dynamics. *Theoretical Chemistry Accounts*, **2016**, 135, 1	1.9	2
3	Polariton ring currents and circular dichroism of Mg-porphyrin in a chiral cavity.. *Chemical Science*, **2022**, 13, 1037-1048	9.4	2
2	Wave Packet Control and Simulation Protocol for Entangled Two-Photon Absorption of Molecules.. *Journal of Chemical Theory and Computation*, **2021**,	6.4	1
1	Photon Correlation Signals in Coupled-Cavity Polaritons Created by Entangled Light. *ACS Photonics*, **2022**, 9, 938-943	6.3	