

# Arnaud Leclerc

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

145  
citations

1478505

6  
h-index

1281871

11  
g-index

13  
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13  
docs citations

13  
times ranked

131  
citing authors

#	ARTICLE	IF	CITATIONS
1	Calculating vibrational spectra with sum of product basis functions without storing full-dimensional vectors or matrices. <i>Journal of Chemical Physics</i> , 2014, 140, 174111.	3.0	70
2	Using symmetry-adapted optimized sum-of-products basis functions to calculate vibrational spectra. <i>Chemical Physics Letters</i> , 2016, 644, 183-188.	2.6	18
3	Exotic states in the strong-field control of $\{m\{H\}\}_2^{\{+\}}$ dissociation dynamics: from exceptional points to zero-width resonances. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 234002.	1.5	15
4	Comparison of different eigensolvers for calculating vibrational spectra using low-rank, sum-of-product basis functions. <i>Molecular Physics</i> , 2017, 115, 1740-1749.	1.7	10
5	Controlling vibrational cooling with zero-width resonances: An adiabatic Floquet approach. <i>Physical Review A</i> , 2016, 94, .	2.5	9
6	Fitting continuum wavefunctions with complex Gaussians: Computation of ionization cross sections. <i>Journal of Computational Chemistry</i> , 2020, 41, 2365-2377.	3.3	6
7	Development of a general time-dependent absorbing potential for the constrained adiabatic trajectory method. <i>Journal of Chemical Physics</i> , 2011, 134, 194111.	3.0	5
8	Consistency between adiabatic and non-adiabatic geometric phases for non-self-adjoint Hamiltonians. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 335301.	2.1	4
9	Global integration of the Schrödinger equation: a short iterative scheme within the wave operator formalism using discrete Fourier transforms. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 225205.	2.1	3
10	Global integration of the Schrödinger equation within the wave operator formalism: the role of the effective Hamiltonian in multidimensional active spaces. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 195305.	2.1	3
11	A complex Gaussian approach to molecular photoionization. <i>Journal of Computational Chemistry</i> , 2021, 42, 2294-2305.	3.3	2
12	Calculating eigenvalues and eigenvectors of parameter-dependent Hamiltonians using an adaptive wave operator method. <i>Journal of Chemical Physics</i> , 2020, 152, 204107.	3.0	0
13	Multicenter integrals involving complex Gaussian-type functions. <i>Advances in Quantum Chemistry</i> , 2021, , 287-304.	0.8	0