

# Julio Cesar Arce

## List of Publications by Year in descending order

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16  
papers

153  
citations

1684188

5  
h-index

1125743

13  
g-index

16  
all docs

16  
docs citations

16  
times ranked

175  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of the continuous transition from atomic to molecular shape in the three-body Coulomb system. <i>Physical Review A</i> , 2022, 105, .	2.5	1
2	State Resolved Data for Quadrupole Radiative Association of H+H and Dissociation of H <sub>2</sub> through Orbiting Resonances. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 1.	7.7	4
3	Quantum dynamics of a millikelvin quasibound KRb complex in a low-frequency field. <i>Physical Review A</i> , 2019, 100, .	2.5	2
4	Quantum dynamics of the intramolecular vibrational energy redistribution in OCS: From localization to quasi-thermalization. <i>Journal of Chemical Physics</i> , 2018, 148, 214302.	3.0	10
5	Potential energy surfaces in atomic structure: The role of Coulomb correlation in the ground state of helium. <i>Physical Review A</i> , 2017, 95, .	2.5	4
6	Hardware design of an eigensolver based on the QR method. <i>Analog Integrated Circuits and Signal Processing</i> , 2015, 82, 125-134.	1.4	0
7	Modeling the bandstructures of B-DNA base stacks. <i>Journal of Applied Physics</i> , 2013, 113, 173703.	2.5	5
8	Specific Single-Molecule Detection Based on Orbital Mediated Tunneling in Nanotube Double-Barrier Heterostructures. <i>IEEE Nanotechnology Magazine</i> , 2012, 11, 1174-1182.	2.0	2
9	Reversible electron pumping and negative differential resistance in two-step barrier diode under strong terahertz ac field. <i>Applied Physics Letters</i> , 2011, 98, 102108.	3.3	5
10	Envelope molecular-orbital theory of extended systems. I. Electronic states of organic quasilinear nanoheterostructures. <i>Journal of Chemical Physics</i> , 2011, 134, 104103.	3.0	1
11	Manipulating and Imaging the Shape of an Electronic Wave Function by Magnetotunneling Spectroscopy. <i>Physical Review Letters</i> , 2010, 105, 236804.	7.8	18
12	Resonant magneto-tunneling through shallow impurity states in double barrier heterostructures. <i>Journal of Applied Physics</i> , 2004, 95, 4890-4893.	2.5	4
13	Large Nondipole Effects in the Angular Distributions of K-Shell Photoelectrons from Molecular Nitrogen. <i>Physical Review Letters</i> , 2001, 87, 273003.	7.8	38
14	Quantum states and interband optical spectra in spherical GaAs-(Ga,Al)As quantum dots doped with on-centre shallow donor impurities: a real-time wavepacket propagation method. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 9917-9932.	1.8	4
15	A semiclassical surface hopping formalism for solvent-induced vibrational relaxation. <i>Chemical Physics</i> , 1994, 183, 335-350.	1.9	29
16	Semiclassical surface hopping approximations for the calculation of solvent-induced vibrational relaxation rate constants. <i>Journal of Chemical Physics</i> , 1994, 101, 7520-7527.	3.0	26