

Ruiz-García-a A

List of Publications by Year in descending order

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28
papers

352
citations

759233

12
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839539

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28
all docs

28
docs citations

28
times ranked

346
citing authors

#	ARTICLE	IF	CITATIONS
1	Polygonal billiards and transport: Diffusion and heat conduction. <i>Physical Review E</i> , 2002, 66, 066131.	2.1	53
2	Transport in polygonal billiards. <i>Physica D: Nonlinear Phenomena</i> , 2004, 187, 184-199.	2.8	28
3	Electronic structure and polarizabilities of icosahedral fullerenes: A Pariser-Pople approach. <i>Journal of Chemical Physics</i> , 2001, 114, 1272-1277.	3.0	27
4	Tuning heat transport in trapped-ion chains across a structural phase transition. <i>Physical Review B</i> , 2014, 89, .	3.2	27
5	A theoretical model of the static polarizability of carbon buckyonions. <i>Journal of Chemical Physics</i> , 2003, 118, 7103-7111.	3.0	19
6	Polarization effects in C60 fullerene complexes of alkali ions. <i>Journal of Chemical Physics</i> , 1998, 109, 3573-3579.	3.0	17
7	Luminescence whispering gallery modes in Ho ³⁺ doped microresonator glasses for temperature sensing. <i>Journal of Alloys and Compounds</i> , 2019, 777, 198-203.	5.5	17
8	Classical and quantum analysis of quasisonance in grazing atom-surface collisions. <i>Physical Review A</i> , 2009, 79, .	2.5	16
9	Photoabsorption spectra of icosahedral fullerenes: A semiempirical approach. <i>Journal of Chemical Physics</i> , 2002, 116, 10648-10655.	3.0	15
10	Theoretical Support for Buckyonions as Carriers of the UV Interstellar Extinction Feature. <i>Physical Review Letters</i> , 2005, 94, 105501.	7.8	15
11	Quantum correlations and energy currents across three dissipative oscillators. <i>Physical Review E</i> , 2015, 91, 062123.	2.1	15
12	Free and hindered rotations in endohedral C60 fullerene complexes. <i>International Journal of Quantum Chemistry</i> , 1997, 65, 655-663.	2.0	13
13	Low-temperature dynamics and spectroscopy in exohedral rare-gas C60 fullerene complexes. <i>Journal of Chemical Physics</i> , 2001, 114, 5156-5163.	3.0	12
14	Scattering cross sections for low-energy rare-gas + C60 and C60 + C60 collisions. <i>Chemical Physics Letters</i> , 1997, 270, 121-128.	2.6	10
15	Quasisonance. <i>Molecular Physics</i> , 2006, 104, 127-145.	1.7	10
16	Heat rectification with a minimal model of two harmonic oscillators. <i>Physical Review E</i> , 2021, 103, 012134.	2.1	10
17	Escape of photons from two fixed extreme Reissner-Nordström black holes. <i>Physical Review D</i> , 2008, 78, .	4.7	8
18	A theoretical model of the photoabsorption spectra of carbon buckyonions. <i>Journal of Chemical Physics</i> , 2004, 120, 6163-6172.	3.0	7

#	ARTICLE	IF	CITATIONS
19	A theoretical analysis of the photoabsorption spectra of big single-shell spherical fullerenes. Chemical Physics Letters, 2004, 389, 191-197.	2.6	5
20	Quasiresonance: Switching Internal Energy Transfer On and Off. Journal of Physical Chemistry A, 2005, 109, 11578-11586.	2.5	5
21	Nearly resonant multidimensional systems under a transient perturbative interaction. Physical Review E, 2009, 80, 066606.	2.1	5
22	Delocalization and heat transport in multidimensional trapped ion systems. Physical Review E, 2019, 99, 062105.	2.1	5
23	Quasiresonances in atom-surface collisions. Journal of Physics: Conference Series, 2008, 99, 012018.	0.4	4
24	Effects of classical nonlinear resonances in grazing diatom-surface collisions. Journal of Chemical Physics, 2012, 137, 084302.	3.0	4
25	The activation of classical vibro-rotational resonances in diatom molecules through slow collision processes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2555-2562.	2.1	2
26	Spatial configurations and temperature profiles in nonequilibrium steady state of two-species trapped ion systems. Physical Review E, 2020, 101, 012129.	2.1	2
27	Scattering cross sections for low-energy alkali cation +C60 collisions: The relevance of polarization. Journal of Chemical Physics, 1999, 110, 10359-10363.	3.0	1
28	Scattering of photons in a two fixed extreme Reissner-Nordstrom black hole system. , 2010, , .		0