

Randall B Shirts

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8060202/publications.pdf>

Version: 2024-02-01

11
papers

112
citations

1684188

5
h-index

1474206

9
g-index

12
all docs

12
docs citations

12
times ranked

127
citing authors

#	ARTICLE	IF	CITATIONS
1	Periodic boundary condition induced breakdown of the equipartition principle and other kinetic effects of finite sample size in classical hard-sphere molecular dynamics simulation. <i>Journal of Chemical Physics</i> , 2006, 125, 164102.	3.0	43
2	The computation of eigenvalues and solutions of Mathieu's differential equation for noninteger order. <i>ACM Transactions on Mathematical Software</i> , 1993, 19, 377-390.	2.9	29
3	Algorithm 721: MTIEU1 and MTIEU2. <i>ACM Transactions on Mathematical Software</i> , 1993, 19, 391-406.	2.9	19
4	Water Vapor Enhancement of Rates of Peroxy Radical Reactions. <i>International Journal of Chemical Kinetics</i> , 2015, 47, 395-409.	1.6	9
5	Correcting Two Long-Standing Errors in Point Group Symmetry Character Tables. <i>Journal of Chemical Education</i> , 2007, 84, 1882.	2.3	5
6	An improved model to calculate equilibrium constants for formation of peroxy radical-water complexes. <i>Theoretical Chemistry Accounts</i> , 2018, 137, 1.	1.4	3
7	A comparison of Boltzmann and Gibbs definitions of microcanonical entropy for small systems. <i>AIP Advances</i> , 2021, 11, 125023.	1.3	2
8	Experimental evidence of picosecond to femtosecond molecular motion of the macrocycles 12-crown-4 and 15-crown-5 in cyclohexane at 25 Å°C. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 2297-2300.	2.8	1
9	Connecting the Dunham Expansion to the Dissociation Limit for Interatomic Potentials: Application to Lennard-Jones n Potentials. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8591-8599.	2.5	1
10	ANLIZE: a molecular mechanics force field visualization tool and its application to 18-crown-6. , 1997, 11, 129-134.		0
11	Response to the Comment on Paper "Water vapor Enhancement of Rates of Peroxy Radical Reactions"; <i>Int. J. Chem. Kinetics</i> , 47, 395, 2015. <i>International Journal of Chemical Kinetics</i> , 2016, 48, 399-401.	1.6	0