Giorgio J Moro

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9050767/publications.pdf

Version: 2024-02-01

59	713	516710	642732
papers	citations	16 h-index	23 g-index

59	59	59	364
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A theoretical model of phospholipid dynamics in membranes. Journal of Chemical Physics, 1989, 91, 5707-5721.	3.0	58
2	Rotational dynamics of axially symmetric solutes in isotropic solvents. II. The stochastic model. Journal of Chemical Physics, 1996, 104, 1090-1104.	3.0	31
3	Effects of Electrostatic Interactions on Orientational Order of Solutes in Liquid Crystals. Journal of Physical Chemistry B, 2000, 104, 7764-7773.	2.6	30
4	Transverse Nuclear Spin Relaxation Due to Director Fluctuations in Liquid Crystals A Slow-Motional Theory. Journal of Physical Chemistry B, 2001, 105, 1281-1292.	2.6	30
5	Rotational dynamics of axially symmetric solutes in isotropic liquids. I. A collective cage description from molecular dynamics simulations. Journal of Chemical Physics, 1995, 102, 8094-8106.	3.0	29
6	The coupling between librational motions and conformational transitions in chain molecules. A phenomenological analysis. Journal of Chemical Physics, 1991, 94, 8577-8591.	3.0	27
7	Transverse Nuclear Spin Relaxation Studies of Viscoelastic Properties of Membrane Vesicles. I. Theory. Journal of Physical Chemistry B, 2002, 106, 5506-5516.	2.6	26
8	Kinetic equations for site populations from the Fokkerâ€“Planck equation. Journal of Chemical Physics, 1995, 103, 7514-7531.	3.0	25
9	Transverse Nuclear Spin Relaxation Studies of Viscoelastic Properties of Membrane Vesicles. II. Experimental Results. Journal of Physical Chemistry B, 2002, 106, 5517-5526.	2.6	24
10	A cage model of liquids supported by molecular dynamics simulations. I. The cage variables. Journal of Chemical Physics, 1994, 101, 693-702.	3.0	22
11	A stochastic cage model for linear solutes. Journal of Chemical Physics, 1997, 107, 7884-7893.	3.0	22
12	The coupling between librational motions and conformational transitions in chain molecules. II. The rotor chain represented by the master equation for site distributions. Journal of Chemical Physics, 1992, 97, 5749-5765.	3.0	21
13	Multi-barrier crossing regulated by the friction. Chemical Physics Letters, 1992, 189, 133-137.	2.6	20
14	Typicality in Ensembles of Quantum States: Monte Carlo Sampling versus Analytical Approximations. Journal of Physical Chemistry A, 2009, 113, 14502-14513.	2.5	20
15	A cage model of liquids supported by molecular dynamics simulations. II. The stochastic model. Journal of Chemical Physics, 1994, 101, 703-712.	3.0	18
16	Models of Conformational Dynamics. , 1989, , 107-139.		18
17	Approximate and numerically exact solutions of the Fokker-Planck equation with bistable potentials. Chemical Physics, 1989, 131, 281-293.	1.9	17
18	Molecular modelling of chiral nematics. Physical Chemistry Chemical Physics, 2001, 3, 5535-5541.	2.8	16

#	Article	IF	Citations
19	Transverse nuclear spin relaxation induced by director fluctuations in a nematic liquid crystal polymer. Evaluation of the anisotropic elastic constants. Journal of Chemical Physics, 2003, 119, 4060-4069.	3.0	15
20	Emergence of equilibrium thermodynamic properties in quantum pure states. II. Analysis of a spin model system. Journal of Chemical Physics, 2010, 133, 034510.	3.0	15
21	Emergence of equilibrium thermodynamic properties in quantum pure states. I. Theory. Journal of Chemical Physics, 2010, 133, 034509.	3.0	15
22	A Stochastic Model for Crankshaft Transitions. The Journal of Physical Chemistry, 1996, 100, 16419-16422.	2.9	14
23	Molecular diffusion in liquid crystals and chiral discrimination. I. Theory. Journal of Chemical Physics, 2005, 122, 164904.	3.0	14
24	Transverse nuclear spin relaxation due to director fluctuations in liquid crystals. II. Second-order contributions of the fluctuating director. Journal of Chemical Physics, 2003, 119, 6931-6945.	3.0	13
25	Molecular order in nematic liquid crystals from shape-dependent repulsive and attractive interactions. Journal of Chemical Physics, 2001, 114, 596.	3.0	12
26	Dynamics of liquid benzene: A cage analysis. Journal of Chemical Physics, 2005, 123, 124511.	3.0	12
27	Magnetic-Field-Induced Orientation of Photosynthetic Reaction Centers, As Revealed by Time-Resolved D-Band Electron Paramagnetic Resonance of Spin-Correlated Radical Pairs. II. Field Dependence of the Alignmentâ€. Journal of Physical Chemistry B, 2004, 108, 9498-9504.	2.6	11
28	Molecular diffusion in liquid crystals and chiral discrimination. II. Model calculations. Journal of Chemical Physics, 2006, 125, 104903.	3.0	11
29	Typical response of quantum pure states. European Physical Journal B, 2013, 86, 1.	1.5	10
30	Saddle point avoidance due to inhomogeneous friction. Chemical Physics, 1998, 235, 189-200.	1.9	9
31	Bimolecular kinetics according to a stochastic analysis of reactant dynamics. Journal of Chemical Physics, 2001, 114, 4565.	3.0	9
32	Beyond quantum microcanonical statistics. Journal of Chemical Physics, 2011, 134, 054510.	3.0	9
33	About the coupling between librational motions and conformational transitions in chain molecules. Chemical Physics Letters, 1990, 173, 503-506.	2.6	7
34	Transverse nuclear spin relaxation due to director fluctuations in liquid crystals. III. A slow-motional theory for the angular dependence in pulsed experiments. Journal of Chemical Physics, 2003, 119, 6946-6958.	3.0	7
35	Separation of Fast and Slow Processes from a Stochastic Cage Model of Molecular Dynamicsâ€. Journal of Physical Chemistry B, 2004, 108, 9530-9540.	2.6	7
36	Quantum Molecular Trajectory and Its Statistical Properties. Journal of Physical Chemistry A, 2017, 121, 5352-5360.	2.5	7

#	Article	IF	Citations
37	Master equation for site distributions describing barrier crossing in the presence of anisotropic diffusion. Chemical Physics, 1992, 159, 421-437.	1.9	6
38	Variational layer expansion for kinetic processes. Physical Review E, 1997, 55, 4918-4934.	2.1	6
39	A Stochastic Model for Crankshaft Transitions. II. Analysis of Transition Dynamics. Journal of Physical Chemistry B, 2002, 106, 7365-7375.	2.6	6
40	Collective Fluctuations in Ordered Fluids Investigated by Two-Dimensional Electronâ^'Electron Double Resonance Spectroscopy. Journal of Physical Chemistry B, 2006, 110, 24238-24254.	2.6	6
41	Angular dependence of²H-NMR longitudinal spin relaxation in aligned nematic 4-n-pentyl-4'-cyanobiphenyl: molecular rotation and director fluctuations. Liquid Crystals, 2010, 37, 773-784.	2.2	6
42	Transverse Nuclear Spin Relaxation Induced by Shape Fluctuations in Membrane Vesicles. Theory and Experiments. Molecular Crystals and Liquid Crystals, 2003, 394, 93-106.	0.9	5
43	Quantum computing for classical problems: variational quantum eigensolver for activated processes. New Journal of Physics, 2021, 23, 123045.	2.9	5
44	Director Fluctuations and ESR Spectra:Â A Slow-Motional Treatmentâ€. Journal of Physical Chemistry B, 2004, 108, 9505-9515.	2.6	4
45	Stochastic modelling of roto-translational motion of dyes in micellar environment. Theoretical Chemistry Accounts, 2007, 117, 1017-1027.	1.4	4
46	Pilot-Wave Quantum Theory with a Single Bohmâ€™s Trajectory. Foundations of Physics, 2016, 46, 575-605.	1.3	4
47	Transverse Nuclear Spin Relaxation in Nematic Liquid Crystals. Effect of the Anisotropy of the Viscoelastic Parameters. Molecular Crystals and Liquid Crystals, 2003, 394, 107-118.	0.9	2
48	Molecular Models of Orientational Order. , 2003, , 241-258.		1
49	Roto-Translational Diffusion in Smectic-C Liquid Crystals. Molecular Crystals and Liquid Crystals, 2003, 395, 253-268.	0.9	1
50	Quantum Statistical Ensemble Resilient to Thermalization. Journal of Physical Chemistry A, 2016, 120, 5071-5082.	2.5	1
51	Thermal Pure States for Finite and Isolated Quantum Systems. Journal of Physical Chemistry A, 2017, 121, 7261-7272.	2.5	1
52	Signatures of Anderson localization and delocalized random quantum states. Chemical Physics, 2018, 514, 141-149.	1.9	1
53	Quantum Stochastic Trajectories: The Fokkerâ€“Planckâ€“Bohm Equation Driven by the Reduced Density Matrix. Journal of Physical Chemistry A, 2018, 122, 2751-2763.	2.5	1
54	Quantum stochastic trajectories: the Smoluchowskiâ€“Bohm equation. Physical Chemistry Chemical Physics, 2018, 20, 165-179.	2.8	1

#	Article	IF	Citations
55	The tunneling splitting and the Kramers theory of activated processes. Chemical Physics, 2022, 561, 111608.	1.9	1
56	Ultraslow motions and asymptotic lineshapes in ESR. Journal of Magnetic Resonance, 1989, 83, 65-78.	0.5	0
57	Director Reorientation Due to Dye Photoabsorption. Molecular Crystals and Liquid Crystals, 2003, 395, 269-281.	0.9	0
58	Local biaxiality in cholesteric liquid crystals from the surface interaction model. Journal of Chemical Physics, 2008, 128, 104513.	3.0	0
59	Transverse Nuclear Spin Relaxation in Nematic Liquid Crystals. Angular Dependence of the Relaxation Rate in Pulsed Experiments. Molecular Crystals and Liquid Crystals, 2009, 500, 91-107.	0.9	0