

V Teboul

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51
papers

778
citations

16
h-index

25
g-index

55
ext. papers

851
ext. citations

3
avg, IF

4.08
L-index

#	Paper	IF	Citations
51	Confinement of molecular liquids: consequences on thermodynamic, static and dynamical properties of benzene and toluene. <i>European Physical Journal E</i> , 2003 , 12, 19-28	1.5	121
50	Isomerization-induced dynamic heterogeneity in a glass former below and above T(g). <i>Physical Review Letters</i> , 2009 , 103, 265701	7.4	44
49	An isomerization-induced cage-breaking process in a molecular glass former below T(g). <i>Journal of Chemical Physics</i> , 2011 , 134, 114517	3.9	37
48	An experimental and numerical study of high-frequency Raman scattering in argon gas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1993 , 173, 153-159	2.3	37
47	Trace polarizability spectra from Ar ₂ quasimolecules in collision-induced scattering. <i>Physical Review A</i> , 1997 , 55, 3484-3490	2.6	35
46	Properties of a confined molecular glass-forming liquid. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 5699-5709	1.8	33
45	Aging effects in supercooled silica. <i>Journal of Non-Crystalline Solids</i> , 2003 , 322, 41-45	3.9	30
44	High-frequency interaction-induced rototranslational wings of isotropic nitrogen spectra. <i>Molecular Physics</i> , 1994 , 81, 1353-1372	1.7	28
43	An investigation of string-like cooperative motion in a strong network glass-former. <i>European Physical Journal B</i> , 2004 , 40, 49-54	1.2	26
42	High-frequency interaction-induced rototranslational scattering from gaseous nitrogen. <i>Physical Review A</i> , 1992 , 46, 1349-1356	2.6	26
41	Light mediated emergence of surface patterns in azopolymers at low temperatures. <i>Soft Matter</i> , 2015 , 11, 6444-9	3.6	23
40	Time versus temperature rescaling for coarse grain molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2012 , 136, 094502	3.9	23
39	Isotropic and anisotropic interaction induced scattering in liquid argon. <i>Journal of Chemical Physics</i> , 1997 , 107, 10415-10419	3.9	20
38	Isomerization-induced surface relief gratings formation: A comparison between the probe and the matrix dynamics. <i>Journal of Chemical Physics</i> , 2010 , 133, 044902	3.9	19
37	Molecular dynamics simulations of rare-earth-doped glasses. <i>Current Opinion in Solid State and Materials Science</i> , 2003 , 7, 111-116	12	19
36	Cooperative motions in a finite size model of liquid silica: an anomalous behavior. <i>European Physical Journal B</i> , 2006 , 51, 111-118	1.2	18
35	How does the isomerization rate affect the photoisomerization-induced transport properties of a doped molecular glass-former?. <i>Journal of Chemical Physics</i> , 2013 , 139, 034501	3.9	16

34	Collision-induced scattering in CO ₂ gas. <i>Journal of Chemical Physics</i> , 1995 , 103, 1384-1390	3.9	16
33	Collection Angle Dependence of the Depolarization Ratio in Light-Scattering Experiments. <i>Applied Spectroscopy</i> , 1992 , 46, 476-478	3.1	16
32	The microscopic structure of cold aqueous methanol mixtures. <i>Journal of Chemical Physics</i> , 2016 , 145, 144502	3.9	15
31	Collision induced light scattering in the far Rayleigh wing of gaseous nitrogen. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1991 , 157, 44-46	2.3	14
30	Isomerization of azobenzene and the enhancement of dynamic heterogeneities in molecular glass formers. <i>Physical Review E</i> , 2013 , 87,	2.4	12
29	A simple diatomic potential that prevents crystallization in supercooled liquids simulations. <i>Chemical Physics</i> , 2015 , 450-451, 91-94	2.3	11
28	Induced cooperative motions in a medium driven at the nanoscale: searching for an optimum excitation period. <i>Physical Review E</i> , 2014 , 89, 012303	2.4	11
27	Screening dependence of the dynamical and structural properties of BKS silica. <i>Chemical Physics</i> , 2006 , 321, 69-74	2.3	11
26	How does the motion of the surrounding molecules depend on the shape of a folding molecular motor?. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 14654-61	3.6	11
25	Enhanced diffusion in finite-size simulations of a fragile diatomic glass former. <i>Physical Review E</i> , 2016 , 94, 052604	2.4	9
24	Stimuli thresholds for isomerization-induced molecular motions in azobenzene-containing materials. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 3854-9	3.4	9
23	Pressure dependence of dynamical heterogeneity in water. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 244116	1.8	9
22	Folding time dependence of the motions of a molecular motor in an amorphous medium. <i>Physical Review E</i> , 2017 , 96, 062614	2.4	8
21	Transient self-organisation of supercooled water confined inside nano-porous materials. <i>International Journal of Nanotechnology</i> , 2008 , 5, 851	1.5	7
20	Dynamical heterogeneity in glass-forming toluene: Comparison of bulk and confined conditions by quasielastic neutron scattering and molecular dynamics simulations. <i>Chemical Physics</i> , 2005 , 317, 245-252	2.3	7
19	A molecular dynamics investigation of dynamical heterogeneity in supercooled water. <i>European Physical Journal B</i> , 2005 , 43, 355-362	1.2	7
18	A toy model mimicking cage effect, structural fluctuations, and kinetic constraints in supercooled liquids. <i>Journal of Chemical Physics</i> , 2014 , 141, 194501	3.9	6
17	Temperature dependence of the violation of Purcell's theorem experienced by a folding molecular motor. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 2472-2479	3.6	5

16	New Scenario of Dynamical Heterogeneity in Supercooled Liquid and Glassy States of 2D Monatomic System. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 15752-7	3.4	5
15	Cutoff effect in molecular dynamics simulations of interaction induced light scattering spectra. <i>Computer Physics Communications</i> , 1997 , 105, 151-158	4.2	5
14	Breakdown of the scallop theorem for an asymmetrical folding molecular motor in soft matter. <i>Journal of Chemical Physics</i> , 2019 , 150, 144502	3.9	4
13	Formation of surface relief gratings: effect of the density of the host material. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 12621-5	3.4	4
12	An optical capillary flow viscometer. <i>Review of Scientific Instruments</i> , 1995 , 66, 3985-3988	1.7	4
11	A molecular dynamics study of depolarized interaction induced light scattering in room temperature argon. <i>Molecular Physics</i> , 1997 , 92, 127-134	1.7	4
10	How do packing defects modify the cooperative motions in supercooled liquids?. <i>Chemical Physics</i> , 2017 , 490, 55-61	2.3	2
9	Comparison of time reversal symmetric and asymmetric nano-swimmers oriented with an electric field in soft matter. <i>Journal of Chemical Physics</i> , 2020 , 152, 024503	3.9	2
8	Three-body interaction-induced light scattering in krypton gas: a computer simulation of the spectral line shapes. <i>Molecular Physics</i> , 1999 , 96, 1637-1647	1.7	2
7	Orientation of motion of a flat folding nano-swimmer in soft matter. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 8836-8846	3.6	2
6	Simulations of supercooled water under passive or active stimuli. <i>Journal of Chemical Physics</i> , 2019 , 150, 214505	3.9	1
5	Optimizing the motion of a folding molecular motor in soft matter. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 10077-10085	3.6	1
4	Specific properties of supercooled water in light of water anomalies. <i>Molecular Simulation</i> , 2019 , 45, 304-309	2	1
3	Density narrowing effect in the collisional cluster scattering of the light by gases. <i>Chemical Physics Letters</i> , 2005 , 404, 199-205	2.5	1
2	Simulation of a flat folding nano-swimmer confined in a nanopore. <i>Physics of Fluids</i> , 2021 , 33, 122001	4.4	0
1	Phonon-Assisted Photoluminescence in a Spherical Nanocrystal. <i>Journal of Applied Spectroscopy</i> , 2005 , 72, 716-722	0.7	