V Teboul

List of Publications by Year
in descending order

55	898	393982	500791
papers	citations	19 h-index	28 g-index

55	55	55	542
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Confinement of molecular liquids: Consequences on thermodynamic, static and dynamical properties of benzene and toluene. European Physical Journal E, 2003, 12, 19-28.	0.7	132
2	Isomerization-Induced Dynamic Heterogeneity in a Glass Former below and above<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>T</mml:mi><mml:mi>g</mml:mi></mml:msub></mml:math>. Physical Review Letters, 2009, 103, 265701.	2.9	49
3	An isomerization-induced cage-breaking process in a molecular glass former below Tg. Journal of Chemical Physics, 2011, 134, 114517.	1.2	43
4	An experimental and numerical study of high-frequency Raman scattering in argon gas. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 173, 153-159.	0.9	37
5	Properties of a confined molecular glass-forming liquid. Journal of Physics Condensed Matter, 2002, 14, 5699-5709.	0.7	36
6	Trace polarizability spectra fromAr2quasimolecules in collision-induced scattering. Physical Review A, 1997, 55, 3484-3490.	1.0	35
7	Aging effects in supercooled silica.. Journal of Non-Crystalline Solids, 2003, 322, 41-45.	1.5	31
8	High-frequency interaction-induced rototranslational scattering from gaseous nitrogen. Physical Review A, 1992, 46, 1349-1356.	1.0	29
9	High-frequency interaction-induced rototranslational wings of isotropic nitrogen spectra. Molecular Physics, 1994, 81, 1353-1372.	0.8	29
10	An investigation of string-like cooperative motion in a strong network glass-former. European Physical Journal B, 2004, 40, 49-54.	0.6	28
11	Light mediated emergence of surface patterns in azopolymers at low temperatures. Soft Matter, 2015, 11, 6444-6449.	1.2	28
12	Time versus temperature rescaling for coarse grain molecular dynamics simulations. Journal of Chemical Physics, 2012, 136, 094502.	1.2	26
13	Molecular dynamics simulations of rare-earth-doped glasses. Current Opinion in Solid State and Materials Science, 2003, 7, 111-116.	5.6	22
14	Isomerization-induced surface relief gratings formation: A comparison between the probe and the matrix dynamics. Journal of Chemical Physics, 2010, 133, 044902.	1.2	22
15	Isotropic and anisotropic interaction induced scattering in liquid argon. Journal of Chemical Physics, 1997, 107, 10415-10419.	1.2	21
16	Cooperative motions in a finite size model of liquid silica: an anomalous behavior. European Physical Journal B, 2006, 51, 111-118.	0.6	21
17	Collision induced light scattering in the far Rayleigh wing of gaseous nitrogen. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 157, 44-46.	0.9	20
18	The microscopic structure of cold aqueous methanol mixtures. Journal of Chemical Physics, 2016, 145, 144502.	1.2	20

#	Article	IF	Citations
19	Collection Angle Dependence of the Depolarization Ratio in Light-Scattering Experiments. Applied Spectroscopy, 1992, 46, 476-478.	1.2	19
20	Collisionâ€induced scattering in CO2gas. Journal of Chemical Physics, 1995, 103, 1384-1390.	1.2	19
21	How does the isomerization rate affect the photoisomerization-induced transport properties of a doped molecular glass-former?. Journal of Chemical Physics, 2013, 139, 034501.	1.2	19
22	Isomerization of azobenzene and the enhancement of dynamic heterogeneities in molecular glass formers. Physical Review E, 2013, 87, .	0.8	15
23	A simple diatomic potential that prevents crystallization in supercooled liquids simulations. Chemical Physics, 2015, 450-451, 91-94.	0.9	15
24	How does the motion of the surrounding molecules depend on the shape of a folding molecular motor?. Physical Chemistry Chemical Physics, 2016, 18, 14654-14661.	1.3	15
25	Induced cooperative motions in a medium driven at the nanoscale: Searching for an optimum excitation period. Physical Review E, 2014, 89, 012303.	0.8	14
26	Screening dependence of the dynamical and structural properties of BKS silica. Chemical Physics, 2006, 321, 69-74.	0.9	12
27	Stimuli Thresholds for Isomerization-Induced Molecular Motions in Azobenzene-Containing Materials. Journal of Physical Chemistry B, 2015, 119, 3854-3859.	1.2	11
28	Folding time dependence of the motions of a molecular motor in an amorphous medium. Physical Review E, 2017, 96, 062614.	0.8	11
29	A molecular dynamics investigation of dynamical heterogeneity in supercooled water. European Physical Journal B, 2005, 43, 355-362.	0.6	9
30	Pressure dependence of dynamical heterogeneity in water. Journal of Physics Condensed Matter, 2008, 20, 244116.	0.7	9
31	Enhanced diffusion in finite-size simulations of a fragile diatomic glass former. Physical Review E, 2016, 94, 052604.	0.8	9
32	Transient self-organisation of supercooled water confined inside nano-porous materials. International Journal of Nanotechnology, 2008, 5, 851.	0.1	8
33	A toy model mimicking cage effect, structural fluctuations, and kinetic constraints in supercooled liquids. Journal of Chemical Physics, 2014, 141, 194501.	1.2	8
34	Breakdown of the scallop theorem for an asymmetrical folding molecular motor in soft matter. Journal of Chemical Physics, 2019, 150, 144502.	1.2	8
35	Dynamical heterogeneity in glass-forming toluene: Comparison of bulk and confined conditions by quasielastic neutron scattering and molecular dynamics simulations. Chemical Physics, 2005, 317, 245-252.	0.9	7
36	Cutoff effect in molecular dynamics simulations of interaction induced light scattering spectra. Computer Physics Communications, 1997, 105, 151-158.	3.0	6

#	Article	IF	Citations
37	Formation of Surface Relief Gratings: Effect of the Density of the Host Material. Journal of Physical Chemistry B, 2012, 116, 12621-12625.	1.2	6
38	New Scenario of Dynamical Heterogeneity in Supercooled Liquid and Glassy States of 2D Monatomic System. Journal of Physical Chemistry B, 2015, 119, 15752-15757.	1.2	6
39	Temperature dependence of the violation of Purcell's theorem experienced by a folding molecular motor. Physical Chemistry Chemical Physics, 2019, 21, 2472-2479.	1.3	6
40	An optical capillary flow viscometer. Review of Scientific Instruments, 1995, 66, 3985-3988.	0.6	5
41	Simulations of supercooled water under passive or active stimuli. Journal of Chemical Physics, 2019, 150, 214505.	1.2	4
42	Comparison of time reversal symmetric and asymmetric nano-swimmers oriented with an electric field in soft matter. Journal of Chemical Physics, 2020, 152, 024503.	1.2	4
43	A molecular dynamics study of depolarized interaction induced light scattering in room temperature argon. Molecular Physics, 1997, 92, 127-134.	0.8	4
44	Simulation of a flat folding nano-swimmer confined in a nanopore. Physics of Fluids, 2021, 33, .	1.6	4
45	Specific properties of supercooled water in light of water anomalies. Molecular Simulation, 2019, 45, 304-309.	0.9	3
46	Orientation of motion of a flat folding nano-swimmer in soft matter. Physical Chemistry Chemical Physics, 2021, 23, 8836-8846.	1.3	3
47	Three-body interaction-induced light scattering in krypton gas: a computer simulation of the spectral line shapes. Molecular Physics, 1999, 96, 1637-1647.	0.8	2
48	How do packing defects modify the cooperative motions in supercooled liquids?. Chemical Physics, 2017, 490, 55-61.	0.9	2
49	Optimizing the motion of a folding molecular motor in soft matter. Physical Chemistry Chemical Physics, 2018, 20, 10077-10085.	1.3	2
50	Activation induced fluidization of a confined viscous liquid. Journal of Molecular Liquids, 2022, 360, 119545.	2.3	2
51	Density narrowing effect in the collisional cluster scattering of the light by gases. Chemical Physics Letters, 2005, 404, 199-205.	1.2	1
52	Finite Size Effects and Cooperativity in a Model Diatomic Supercooled Liquid. Journal of Applied and Theoretical Physics Research, 2016, 1, 16-20.	0.2	1
53	Phonon-Assisted Photoluminescence in a Spherical Nanocrystal. Journal of Applied Spectroscopy, 2005, 72, 716-722.	0.3	0
54	Coarse grain modeling of liquid methyl methacrylate. , 2009, , .		0

#	Article	IF	Citations
55	Molecular dynamics simulation of the SRG formation in poly(methyl methacrylate) doped with dispersed red 1. , 2009, , .		0