V Teboul

List of Publications by Year in Descending Order

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	Simulation of a flat folding nano-swimmer confined in a nanopore. *Physics of Fluids*, **2021**, 33, 122001	4.4	0
50	Orientation of motion of a flat folding nano-swimmer in soft matter. *Physical Chemistry Chemical Physics*, **2021**, 23, 8836-8846	3.6	2
49	Comparison of time reversal symmetric and asymmetric nano-swimmers oriented with an electric field in soft matter. *Journal of Chemical Physics*, **2020**, 152, 024503	3.9	2
48	Temperature dependence of the violation of Purcell's theorem experienced by a folding molecular motor. *Physical Chemistry Chemical Physics*, **2019**, 21, 2472-2479	3.6	5
47	Simulations of supercooled water under passive or active stimuli. *Journal of Chemical Physics*, **2019**, 150, 214505	3.9	1
46	Breakdown of the scallop theorem for an asymmetrical folding molecular motor in soft matter. *Journal of Chemical Physics*, **2019**, 150, 144502	3.9	4
45	Specific properties of supercooled water in light of water anomalies. *Molecular Simulation*, **2019**, 45, 304-309	2	1
44	Optimizing the motion of a folding molecular motor in soft matter. *Physical Chemistry Chemical Physics*, **2018**, 20, 10077-10085	3.6	1
43	How do packing defects modify the cooperative motions in supercooled liquids?. *Chemical Physics*, **2017**, 490, 55-61	2.3	2
42	Folding time dependence of the motions of a molecular motor in an amorphous medium. *Physical Review E*, **2017**, 96, 062614	2.4	8
41	Enhanced diffusion in finite-size simulations of a fragile diatomic glass former. *Physical Review E*, **2016**, 94, 052604	2.4	9
40	The microscopic structure of cold aqueous methanol mixtures. *Journal of Chemical Physics*, **2016**, 145, 144502	3.9	15
39	How does the motion of the surrounding molecules depend on the shape of a folding molecular motor?. *Physical Chemistry Chemical Physics*, **2016**, 18, 14654-61	3.6	11
38	A simple diatomic potential that prevents crystallization in supercooled liquids simulations. *Chemical Physics*, **2015**, 450-451, 91-94	2.3	11
37	Light mediated emergence of surface patterns in azopolymers at low temperatures. *Soft Matter*, **2015**, 11, 6444-9	3.6	23
36	New Scenario of Dynamical Heterogeneity in Supercooled Liquid and Glassy States of 2D Monatomic System. *Journal of Physical Chemistry B*, **2015**, 119, 15752-7	3.4	5
35	Stimuli thresholds for isomerization-induced molecular motions in azobenzene-containing materials. *Journal of Physical Chemistry B*, **2015**, 119, 3854-9	3.4	9

34	Induced cooperative motions in a medium driven at the nanoscale: searching for an optimum excitation period. *Physical Review E*, **2014**, 89, 012303	2.4	11
33	A toy model mimicking cage effect, structural fluctuations, and kinetic constraints in supercooled liquids. *Journal of Chemical Physics*, **2014**, 141, 194501	3.9	6
32	How does the isomerization rate affect the photoisomerization-induced transport properties of a doped molecular glass-former?. *Journal of Chemical Physics*, **2013**, 139, 034501	3.9	16
31	Isomerization of azobenzene and the enhancement of dynamic heterogeneities in molecular glass formers. *Physical Review E*, **2013**, 87,	2.4	12
30	Formation of surface relief gratings: effect of the density of the host material. *Journal of Physical Chemistry B*, **2012**, 116, 12621-5	3.4	4
29	Time versus temperature rescaling for coarse grain molecular dynamics simulations. *Journal of Chemical Physics*, **2012**, 136, 094502	3.9	23
28	An isomerization-induced cage-breaking process in a molecular glass former below T(g). *Journal of Chemical Physics*, **2011**, 134, 114517	3.9	37
27	Isomerization-induced surface relief gratings formation: A comparison between the probe and the matrix dynamics. *Journal of Chemical Physics*, **2010**, 133, 044902	3.9	19
26	Isomerization-induced dynamic heterogeneity in a glass former below and above T(g). *Physical Review Letters*, **2009**, 103, 265701	7.4	44
25	Pressure dependence of dynamical heterogeneity in water. *Journal of Physics Condensed Matter*, **2008**, 20, 244116	1.8	9
24	Transient self-organisation of supercooled water confined inside nano-porous materials. *International Journal of Nanotechnology*, **2008**, 5, 851	1.5	7
23	Screening dependence of the dynamical and structural properties of BKS silica. *Chemical Physics*, **2006**, 321, 69-74	2.3	11
22	Cooperative motions in a finite size model of liquid silica: an anomalous behavior. *European Physical Journal B*, **2006**, 51, 111-118	1.2	18
21	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	2.3	7
20	Density narrowing effect in the collisional cluster scattering of the light by gases. *Chemical Physics Letters*, **2005**, 404, 199-205	2.5	1
19	A molecular dynamics investigation of dynamical heterogeneity in supercooled water. *European Physical Journal B*, **2005**, 43, 355-362	1.2	7
18	Phonon-Assisted Photoluminescence in a Spherical Nanocrystal. *Journal of Applied Spectroscopy*, **2005**, 72, 716-722	0.7	
17	An investigation of string-like cooperative motion in a strong network glass-former. *European Physical Journal B*, **2004**, 40, 49-54	1.2	26

16	Confinement of molecular liquids: consequences on thermodynamic, static and dynamical properties of benzene and toluene. *European Physical Journal E*, **2003**, 12, 19-28	1.5	121
15	Aging effects in supercooled silica.. *Journal of Non-Crystalline Solids*, **2003**, 322, 41-45	3.9	30
14	Molecular dynamics simulations of rare-earth-doped glasses. *Current Opinion in Solid State and Materials Science*, **2003**, 7, 111-116	12	19
13	Properties of a confined molecular glass-forming liquid. *Journal of Physics Condensed Matter*, **2002**, 14, 5699-5709	1.8	33
12	Three-body interaction-induced light scattering in krypton gas: a computer simulation of the spectral line shapes. *Molecular Physics*, **1999**, 96, 1637-1647	1.7	2
11	Isotropic and anisotropic interaction induced scattering in liquid argon. *Journal of Chemical Physics*, **1997**, 107, 10415-10419	3.9	20
10	Trace polarizability spectra from Ar2 quasimolecules in collision-induced scattering. *Physical Review A*, **1997**, 55, 3484-3490	2.6	35
9	Cutoff effect in molecular dynamics simulations of interaction induced light scattering spectra. *Computer Physics Communications*, **1997**, 105, 151-158	4.2	5
8	A molecular dynamics study of depolarized interaction induced light scattering in room temperature argon. *Molecular Physics*, **1997**, 92, 127-134	1.7	4
7	An optical capillary flow viscometer. *Review of Scientific Instruments*, **1995**, 66, 3985-3988	1.7	4
6	Collision-induced scattering in CO2 gas. *Journal of Chemical Physics*, **1995**, 103, 1384-1390	3.9	16
5	High-frequency interaction-induced rototranslational wings of isotropic nitrogen spectra. *Molecular Physics*, **1994**, 81, 1353-1372	1.7	28
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	2.3	37
3	High-frequency interaction-induced rototranslational scattering from gaseous nitrogen. *Physical Review A*, **1992**, 46, 1349-1356	2.6	26
2	Collection Angle Dependence of the Depolarization Ratio in Light-Scattering Experiments. *Applied Spectroscopy*, **1992**, 46, 476-478	3.1	16
1	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	2.3	14