Victor M Nazarychev

List of Publications by Year
in descending order

35	885	430442	476904
papers	citations	18 h-index	29 g-index

37	37	37	547
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Computer Simulations of Deep Eutectic Solvents: Challenges, Solutions, and Perspectives. International Journal of Molecular Sciences, 2022, 23, 645.	1.8	46
2	Effects of branching and polydispersity on thermal conductivity of paraffin waxes. International Journal of Heat and Mass Transfer, 2022, 195, 123192.	2.5	9
3	Evaluation of thermal conductivity of organic phase-change materials from equilibrium and non-equilibrium computer simulations: Paraffin as a test case. International Journal of Heat and Mass Transfer, 2021, 165, 120639.	2.5	30
4	Branched versus linear lactide chains for cellulose nanoparticle modification: an atomistic molecular dynamics study. Physical Chemistry Chemical Physics, 2021, 23, 457-469.	1.3	2
5	The Initial Stage of Thermoplastic Polyimide Crystallization: Computer Simulations and Experiments. Reviews and Advances in Chemistry, 2021, 11, 85-99.	0.2	1
6	Asphaltenes as novel thermal conductivity enhancers for liquid paraffin: Insight from in silico modeling. Journal of Molecular Liquids, 2021, , 117112.	2.3	8
7	Grafted Dipolar Chains: Dipoles and Restricted Freedom Lead to Unexpected Hairpins. Macromolecules, 2020, 53, 29-38.	2.2	8
8	Toward Predictive Molecular Dynamics Simulations of Asphaltenes in Toluene and Heptane. ACS Omega, 2019, 4, 20005-20014.	1.6	22
9	Toward realistic computer modeling of paraffin-based composite materials: critical assessment of atomic-scale models of paraffins. RSC Advances, 2019, 9, 38834-38847.	1.7	39
10	Self-Assembly of Oligo(phenylene-thiophene)s on Monolayer Graphene: Molecular Dynamics Simulations. Journal of Physical Chemistry C, 2019, 123, 859-867.	1.5	2
11	Scale-Dependent Miscibility of Polylactide and Polyhydroxybutyrate: Molecular Dynamics Simulations. Macromolecules, 2018, 51, 552-563.	2.2	50
12	Simulating local mobility and mechanical properties of thermostable polyimides with different dianhydride fragments. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 375-382.	2.4	20
13	Structural Ordering in SWCNT-Polyimide Nanocomposites and Its Influence on Their Mechanical Properties. Polymers, 2018, 10, 1245.	2.0	10
14	Computer Simulation of Asphaltenes. Petroleum Chemistry, 2018, 58, 983-1004.	0.4	18
15	Local orientational mobility of polyimide-based nanocomposites. Polymer, 2018, 147, 142-149.	1.8	1
16	How to fold back grafted chains in dipolar brushes. Polymer, 2018, 147, 213-224.	1.8	12
17	Linear Viscoelasticity of Polymers and Polymer Nanocomposites: Molecular-Dynamics Large Amplitude Oscillatory Shear and Probe Rheology Simulations. Advances in Dielectrics, 2018, , 375-404.	1.2	4
18	Molecular dynamics simulations of oligoester brushes: the origin of unusual conformations. Soft Matter, 2017, 13, 6627-6638.	1.2	18

#	Article	IF	Citations
19	Influence of specific intermolecular interactions on the thermal and dielectric properties of bulk polymers: atomistic molecular dynamics simulations of Nylon 6. Soft Matter, 2017, 13, 474-485.	1.2	22
20	Atomistic Molecular Dynamics Simulations of the Initial Crystallization Stage in an SWCNT-Polyetherimide Nanocomposite. Polymers, 2017, 9, 548.	2.0	19
21	Computational Modeling of Polylactide and Its Cellulose-Reinforced Nanocomposites. , 2016, , 313-341.		4
22	Poly(lactic acid)â€based nanocomposites filled with cellulose nanocrystals with modified surface: allâ€atom molecular dynamics simulations. Polymer International, 2016, 65, 892-898.	1.6	31
23	Correlation between the High-Temperature Local Mobility of Heterocyclic Polyimides and Their Mechanical Properties. Macromolecules, 2016, 49, 6700-6710.	2.2	32
24	Molecular dynamics simulation of poly(3â€hexylthiophene) helical structure In Vacuo and in amorphous polymer surrounding. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 2448-2456.	2.4	16
25	Multiscale computer simulation of polymer nanocomposites based on thermoplastics. Polymer Science - Series C, 2016, 58, 2-15.	0.8	18
26	Molecular dynamics simulations of uniaxial deformation of thermoplastic polyimides. Soft Matter, 2016, 12, 3972-3981.	1.2	61
27	Mechanical Properties of a Polymer at the Interface Structurally Ordered by Graphene. Journal of Physical Chemistry C, 2016, 120, 6771-6777.	1.5	31
28	Influence of the carbon nanotube surface modification on the microstructure of thermoplastic binders. RSC Advances, 2015, 5, 51621-51630.	1.7	26
29	Parameterization of electrostatic interactions for molecular dynamics simulations of heterocyclic polymers. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 912-923.	2.4	36
30	Influence of the electrostatic interactions on thermophysical properties of polyimides: Molecularâ€dynamics simulations. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 640-646.	2.4	45
31	Thermal properties of bulk polyimides: insights from computer modeling versus experiment. Soft Matter, 2014, 10, 1224.	1.2	68
32	Molecular-dynamics simulation of polyimide matrix pre-crystallization near the surface of a single-walled carbon nanotube. RSC Advances, 2014, 4, 830-844.	1.7	51
33	Computer simulation of the heat-resistant polyimides ULTEMâ„¢ and EXTEMâ„¢ with the use of GROMOS53a6 and AMBER99 force fields. Polymer Science - Series A, 2014, 56, 558-567.	0.4	12
34	Microsecond Atomic-Scale Molecular Dynamics Simulations of Polyimides. Macromolecules, 2013, 46, 6357-6363.	2.2	80
35	Evaluation of the characteristic equilibration times of bulk polyimides via full-atomic computer simulation. Polymer Science - Series A, 2013, 55, 570-576.	0.4	25