Chaofu Wu

List of Publications by Year
in descending order

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Version: 2024-02-01

28	984	686830 13	525886 27
papers	citations	h-index	g-index

28	28	28	872
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Atomistic molecular modelling of crosslinked epoxy resin. Polymer, 2006, 47, 6004-6009.	1.8	381
2	Atomistic molecular simulations of structure and dynamics of crosslinked epoxy resin. Polymer, 2007, 48, 5802-5812.	1.8	119
3	Atomistic simulation study of absorbed water influence on structure and properties of crosslinked epoxy resin. Polymer, 2007, 48, 5440-5448.	1.8	113
4	Cooperative behavior of poly(vinyl alcohol) and water as revealed by molecular dynamics simulations. Polymer, 2010, 51, 4452-4460.	1.8	64
5	Simulated Glass Transition of Poly(ethylene oxide) Bulk and Film: A Comparative Study. Journal of Physical Chemistry B, 2011, 115, 11044-11052.	1.2	53
6	A Combined Scheme for Systematically Coarse-Graining of Stereoregular Polymer Blends. Macromolecules, 2013, 46, 5751-5761.	2.2	24
7	Multiscale Modeling Scheme for Simulating Polymeric Melts: Application to Poly(Ethylene Oxide). Macromolecular Theory and Simulations, 2018, 27, 1700066.	0.6	20
8	pH response of conformation of poly(propylene imine) dendrimer in water: a molecular simulation study. Molecular Simulation, 2010, 36, 1164-1172.	0.9	19
9	Glass transition in single poly(ethylene oxide) chain: A molecular dynamics simulation study. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 178-188.	2.4	18
10	Coarseâ€grained molecular dynamics simulations of stereoregular poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (methacryl 53, 203-212.	2.4	16
11	Free Surface-Induced Glass-Transition Temperature Suppression of Simulated Polymer Chains. Journal of Physical Chemistry C, 2019, 123, 9237-9246.	1.5	16
12	Competitive absorption of epoxy monomers on carbon nanotube: A molecular simulation study. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 1123-1130.	2.4	15
13	Phase Morphologies of Binary Polymer Blends Predicted by Systematically Coarseâ€Grained Models. Macromolecular Theory and Simulations, 2016, 25, 336-347.	0.6	14
14	Re-examining the procedure for simulating polymer Tg using molecular dynamics. Journal of Molecular Modeling, 2017, 23, 270.	0.8	14
15	Multiscale modeling of glass transition in polymeric films: Application to stereoregular poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlo	1.8	13
16	Bulk modulus of poly(ethylene oxide) simulated using the systematically coarse-grained model. Computational Materials Science, 2019, 156, 89-95.	1.4	13
17	Synthesis of ordered LiNi0.5Mn1.5O4 nanoplates with exposed {100} and {110} crystal planes and its electrochemical performance for lithium ions batteries. Solid State Ionics, 2019, 333, 50-56.	1.3	11
18	A multiscale scheme for simulating polymer Tg. Journal of Molecular Modeling, 2018, 24, 335.	0.8	9

#	Article	IF	Citations
19	Multiscale simulations of the structure and dynamics of stereoregular poly(methyl methacrylate)s. Journal of Molecular Modeling, 2014, 20, 2377.	0.8	8
20	Melt-phase behavior of collapsed PMMA/PVC chains revealed by multiscale simulations. Journal of Molecular Modeling, 2016, 22, 99.	0.8	8
21	Transferable coarse-grained models for poly(ethylene oxide)/poly(methyl methacrylate) blends. Computational Materials Science, 2020, 172, 109346.	1.4	7
22	Molecular-weight dependence of simulated glass transition temperature for isolated poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.9	6
23	Tacticity Effects on Polymer Glass Transition Revisited by Coarseâ€Grained Simulations. Macromolecular Theory and Simulations, 2020, 29, 2000001.	0.6	6
24	Hydrogen bonding in stereoregular poly(methyl methacrylate)/poly(vinyl chloride) blends as studied by molecular dynamics simulations. Molecular Simulation, 2015, 41, 547-554.	0.9	5
25	Tacticity Effects on the Bulk Modulus of Poly(methyl methacrylate) Explored by Coarse-Grained Simulations. Journal of Physical Chemistry B, 2020, 124, 10811-10821.	1.2	5
26	Melting simulations of poly(ethylene oxide) nanocrystals in amorphous environments. Computational Materials Science, 2021, 189, 110266.	1.4	3
27	An Enhanced Scheme for Multiscale Modeling of Thermomechanical Properties of Polymer Bulks. Journal of Physical Chemistry B, 2021, 125, 8612-8626.	1.2	3
28	Multiscale modeling of thermomechanical properties of stereoregular polymers. Journal of Molecular Modeling, 2022, 28, .	0.8	1