List of Publications by Year in descending order

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WALTED KOR

#	Article	IF	CITATIONS
1	Origin of the non-linear elastic behavior of silicate glasses. Acta Materialia, 2022, 231, 117855.	7.9	10
2	Are strongly confined colloids good models for two dimensional liquids?. Journal of Chemical Physics, 2022, 156, 164903.	3.0	2
3	Roughness and Scaling Properties of Oxide Glass Surfaces at the Nanoscale. Physical Review Letters, 2021, 126, 066101.	7.8	9
4	Connecting real glasses to mean-field models. Journal of Chemical Physics, 2021, 154, 094506.	3.0	6
5	Effect of Chain Polydispersity on the Elasticity of Disordered Polymer Networks. Macromolecules, 2021, 54, 3769-3779.	4.8	26
6	First-principles study of the surface of silica and sodium silicate glasses. Physical Review B, 2021, 103, .	3.2	6
7	Experimental Test of the Edwards Volume Ensemble for Tapped Granular Packings. Physical Review Letters, 2021, 127, 018002.	7.8	14
8	Dynamics of Nanoparticles in Polydisperse Polymer Networks: from Free Diffusion to Hopping. Macromolecules, 2021, 54, 8575-8589.	4.8	30
9	Connecting Packing Efficiency of Binary Hard Sphere Systems to Their Intermediate Range Structure. Physical Review Letters, 2021, 127, 278001.	7.8	3
10	ÂAnatomy of cage formation in a two-dimensional glass-forming liquid. Nature, 2020, 587, 225-229.	27.8	32
11	Structure and vibrational properties of sodium silicate glass surfaces. Journal of Chemical Physics, 2020, 153, 124503.	3.0	10
12	Revealing the three-dimensional structure of liquids using four-point correlation functions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14032-14037.	7.1	30
13	New interaction potentials for borate glasses with mixed network formers. Journal of Chemical Physics, 2020, 152, 104501.	3.0	28
14	Determining the Mesh Size of Polymer Solutions via the Pore Size Distribution. Macromolecules, 2020, 53, 2568-2581.	4.8	18
15	The critical role of the interaction potential and simulation protocol for the structural and mechanical properties of sodosilicate glasses. Journal of Non-Crystalline Solids, 2020, 532, 119895.	3.1	21
16	Friction-Controlled Entropy-Stability Competition in Granular Systems. Physical Review Letters, 2020, 125, 268005.	7.8	17
17	Basis glass states: New insights from the potential energy landscape. Journal of Non-Crystalline Solids: X, 2019, 3, 100031.	1.2	11
18	New interaction potentials for alkali and alkaline-earth aluminosilicate glasses. Journal of Chemical Physics, 2019, 150, 154505.	3.0	41

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19	Ideal Glass States Are Not Purely Vibrational: Insight from Randomly Pinned Glasses. Physical Review Letters, 2018, 121, 205501.	7.8	26
20	Stretched and compressed exponentials in the relaxation dynamics of a metallic glass-forming melt. Nature Communications, 2018, 9, 5334.	12.8	60
21	Structural and topological nature of plasticity in sheared granular materials. Nature Communications, 2018, 9, 2911.	12.8	41
22	Translational and Rotational Dynamical Heterogeneities in Granular Systems. Physical Review Letters, 2018, 121, 018002.	7.8	19
23	Structure and Dynamics of a Polymer–Nanoparticle Composite: Effect of Nanoparticle Size and Volume Fraction. Macromolecules, 2018, 51, 5375-5391.	4.8	53
24	Dynamic and thermodynamic crossover scenarios in the Kob-Andersen mixture: Insights from multi-CPU and multi-GPU simulations. European Physical Journal E, 2018, 41, 62.	1.6	23
25	New optimization scheme to obtain interaction potentials for oxide glasses. Journal of Chemical Physics, 2018, 148, 194504.	3.0	60
26	Locally favoured structures and dynamic length scales in a simple glass-former. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 024001.	2.3	27
27	Granular materials flow like complex fluids. Nature, 2017, 551, 360-363.	27.8	111
28	Hard X-rays as pump and probe of atomic motion in oxide glasses. Scientific Reports, 2017, 7, 3962.	3.3	37
29	Methods to locate saddle points in complex landscapes. Journal of Chemical Physics, 2017, 147, 204104.	3.0	14
30	Structuring polymer gels via catalytic reactions. Soft Matter, 2017, 13, 8706-8716.	2.7	2
31	Origin of Noncubic Scaling Law in Disordered Granular Packing. Physical Review Letters, 2017, 118, 238002.	7.8	13
32	Developing empirical potentials from ab initio simulations: The case of amorphous silica. Computational Materials Science, 2016, 124, 323-334.	3.0	23
33	Realistic tunnelling states for the magnetic effects in non-metallic real glasses. Philosophical Magazine, 2016, 96, 648-703.	1.6	14
34	First-principles study of a sodium borosilicate glass-former. I. The liquid state. Physical Review B, 2015, 91, .	3.2	27
35	Relaxation dynamics in a transient network fluid with competing gel and glass phases. Journal of Chemical Physics, 2015, 142, 174503.	3.0	20
36	Equilibrium phase diagram of a randomly pinned glass-former. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6914-6919.	7.1	79

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37	Predicting complex mineral structures using genetic algorithms. Journal of Physics Condensed Matter, 2015, 27, 425201.	1.8	3
38	First-principles study of a sodium borosilicate glass-former. II. The glass state. Physical Review B, 2015, 91, .	3.2	33
39	Reply to Chakrabarty et al.: Particles move even in ideal glasses. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4821-2.	7.1	3
40	Intermittent dynamics and logarithmic domain growth during the spinodal decomposition of a glass-forming liquid. Journal of Chemical Physics, 2014, 140, 164502.	3.0	61
41	Nonlinear dynamic response of glass-forming liquids to random pinning. Physical Review E, 2014, 90, 052305.	2.1	29
42	Crossovers in the dynamics of supercooled liquids probed by an amorphous wall. Physical Review E, 2014, 89, 052311.	2.1	42
43	Comment on "Residual entropy and structural disorder in glass: A two level model and a review of spatial and ensemble vs. temporal sampling―by A. Takada, R. Conradt, and P. Richet [J. Non-Cryst. Solids, 360, 13 (2013)]. Journal of Non-Crystalline Solids, 2014, 387, 28-29.	3.1	2
44	Phase diagram of a reentrant gel of patchy particles. Journal of Chemical Physics, 2013, 139, 244910.	3.0	18
45	Probing a Liquid to Glass Transition in Equilibrium. Physical Review Letters, 2013, 110, 245702.	7.8	108
46	Gelling by Heating. Scientific Reports, 2013, 3, 2451.	3.3	27
47	Static point-to-set correlations in glass-forming liquids. Physical Review E, 2012, 85, 011102.	2.1	155
48	Finite-size effects in the dynamics of glass-forming liquids. Physical Review E, 2012, 86, 031502.	2.1	73
49	Spatial Correlations in Glass-Forming Liquids Across The Mode-Coupling Crossover. Physics Procedia, 2012, 34, 70-79.	1.2	11
50	Reply to "Characterizing dynamic length scales in glass-forming liquids". Nature Physics, 2012, 8, 697-697.	16.7	14
51	Non-monotonic temperature evolution of dynamic correlations in glass-forming liquids. Nature Physics, 2012, 8, 164-167.	16.7	189
52	Predicting the Structure of Alloys Using Genetic Algorithms. Materials and Manufacturing Processes, 2011, 26, 348-353.	4.7	14
53	Computer simulation study of the phase behavior and structural relaxation in a gel-former modeled by three-body interactions. Journal of Chemical Physics, 2011, 134, 164506.	3.0	24
54	The vibrational density of states of a disordered gel model. Journal of Chemical Physics, 2011, 135, 104502.	3.0	11

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55	Influence of the Glass Transition on the Liquid-Gas Spinodal Decomposition. Physical Review Letters, 2011, 106, 125702.	7.8	73
56	Water solubility in calcium aluminosilicate glasses investigated by first principles techniques. Journal of Solid State Chemistry, 2010, 183, 2786-2796.	2.9	38
57	When gel and glass meet: A mechanism for multistep relaxation. Physical Review E, 2010, 81, 040502.	2.1	28
58	A microscopic model for colloidal gels with directional effective interactions: network induced glassy dynamics. Soft Matter, 2010, 6, 1547.	2.7	40
59	On the relaxation dynamics of glass-forming systems: Insights from computer simulations. , 2009, , .		1
60	Structural Relaxation of a Gel Modeled by Three Body Interactions. Physical Review Letters, 2009, 103, 248305.	7.8	35
61	Out-of-equilibrium dynamics of a fractal model gel. Journal of Chemical Physics, 2009, 130, 194904.	3.0	14
62	Virtual experiments: Combining realistic neutron scattering instrument and sample simulations. Journal of Computational Physics, 2009, 228, 5251-5261.	3.8	33
63	Glass transitions in one-, two-, three-, and four-dimensional binary Lennard-Jones systems. Journal of Physics Condensed Matter, 2009, 21, 035117.	1.8	70
64	A genetic algorithm for the atomistic design and global optimisation of substitutionally disordered materials. Computational Materials Science, 2009, 45, 111-117.	3.0	27
65	Coupling and Decoupling between Translational and Rotational Dynamics in a Supercooled Molecular Liquid. Physical Review Letters, 2009, 102, 025702.	7.8	82
66	Static and dynamic properties of a reversible gel. , 2009, , .		6
67	Network formation and relaxation dynamics in a new model for colloidal gelation. Journal of Non-Newtonian Fluid Mechanics, 2008, 149, 28-33.	2.4	17
68	Surface of a calcium aluminosilicate glass by classical and ab initio molecular dynamics simulations. Surface Science, 2008, 602, 114-125.	1.9	17
69	On the nature of native defects in high OH-content silica glasses: A first-principles study. Europhysics Letters, 2008, 82, 57004.	2.0	10
70	A random walk description of the heterogeneous glassy dynamics of attracting colloids. Journal of Physics Condensed Matter, 2008, 20, 244126.	1.8	37
71	New fitting scheme to obtain effective potential from Car-Parrinello molecular-dynamics simulations: Application to silica. Europhysics Letters, 2008, 82, 17001.	2.0	102
72	Network Induced Relaxation Dynamics in Colloidal Gels. AIP Conference Proceedings, 2008, , .	0.4	1

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73	Tracking Heterogeneous Dynamics During theαRelaxation of a Simple Glass Former. Physical Review Letters, 2008, 101, 190601.	7.8	22
74	The Potts Glass Model: A Scenario for the Freezing Transition of Structural Glasses?. , 2008, , 47-65.		0
75	Spontaneous and induced dynamic correlations in glass formers. II. Model calculations and comparison to numerical simulations. Journal of Chemical Physics, 2007, 126, 184504.	3.0	162
76	The Monte Carlo dynamics of a binary Lennard-Jones glass-forming mixture. Journal of Physics Condensed Matter, 2007, 19, 205130.	1.8	112
77	Structural and vibrational properties of a calcium aluminosilicate glass: classical force-fields vs. first-principles. Molecular Simulation, 2007, 33, 1093-1103.	2.0	33
78	Length-Scale-Dependent Relaxation in Colloidal Gels. Physical Review Letters, 2007, 98, 028303.	7.8	65
79	Heterogeneous Diffusion in a Reversible Gel. Physical Review Letters, 2007, 98, 135503.	7.8	80
80	Amorphous silica modeled with truncated and screened Coulomb interactions: A molecular dynamics simulation study. Journal of Chemical Physics, 2007, 127, 114512.	3.0	83
81	Universal Nature of Particle Displacements close to Glass and Jamming Transitions. Physical Review Letters, 2007, 99, 060604.	7.8	352
82	Spontaneous and induced dynamic fluctuations in glass formers. I. General results and dependence on ensemble and dynamics. Journal of Chemical Physics, 2007, 126, 184503.	3.0	229
83	Structure and dynamics oflâ^'Ge: Neutron scattering experiments andab initiomolecular dynamics simulations. Physical Review B, 2007, 75, .	3.2	21
84	Democratic Particle Motion for Metabasin Transitions in Simple Class Formers. Physical Review Letters, 2006, 96, 057801.	7.8	149
85	Computer Simulations of Supercooled Liquids. , 2006, , 1-30.		2
86	Computer Simulation of Molten and Glassy Silica and its Mixtures with Sodium Oxide and Aluminium Oxide. , 2005, , 35-53.		1
87	Modeling glass materials. Ceramics International, 2005, 31, 713-717.	4.8	13
88	Ab-Initio Molecular Dynamics Simulations of Hydrous Silicate Systems. , 2005, , 199-209.		0
89	Dynamic arrest in a liquid of symmetric dumbbells: Reorientational hopping for small molecular elongations. Journal of Chemical Physics, 2005, 123, 204505.	3.0	34
90	Evidence for the Weak Steric Hindrance Scenario in the Supercooled-State Reorientational Dynamics. Physical Review Letters, 2005, 94, 215701.	7.8	54

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91	Vibrational properties of a sodium tetrasilicate glass: Ab initio versus classical force fields. Journal of Non-Crystalline Solids, 2005, 351, 1144-1150.	3.1	26
92	Water adsorption on amorphous silica surfaces: a Car–Parrinello simulation study. Journal of Physics Condensed Matter, 2005, 17, 4005-4013.	1.8	44
93	Structure and relaxation dynamics of a colloidal gel. Europhysics Letters, 2005, 72, 1032-1038.	2.0	53
94	Dynamics of a rigid rod in a glassy medium. Europhysics Letters, 2004, 67, 820-826.	2.0	16
95	Channel Formation and Intermediate Range Order in Sodium Silicate Melts and Glasses. Physical Review Letters, 2004, 93, 027801.	7.8	131
96	Structural properties of a calcium aluminosilicate glass from molecular-dynamics simulations: A finite size effects study. Journal of Chemical Physics, 2004, 120, 10172-10181.	3.0	101
97	Structure and diffusion in amorphous aluminum silicate: A molecular dynamics computer simulation. Journal of Chemical Physics, 2004, 120, 384-393.	3.0	111
98	Relaxation dynamics of a linear molecule in a random static medium: A scaling analysis. Journal of Chemical Physics, 2004, 121, 380.	3.0	13
99	Computer Simulation of the Glass Transition in Thin Films. AIP Conference Proceedings, 2004, , .	0.4	2
100	Dynamics of a rod in a homogeneous/inhomogeneous frozen disordered medium: Correlation functions and non-Gaussian effects. AIP Conference Proceedings, 2004, , .	0.4	2
101	Virtual neutron scattering experiments. Physica B: Condensed Matter, 2004, 350, 151-154.	2.7	8
102	Dynamics of a rod in a random static environment: non-Gaussian behaviour on large length scales. Philosophical Magazine, 2004, 84, 1383-1388.	1.6	3
103	Molecular dynamics simulations. Journal of Physics Condensed Matter, 2004, 16, S429-S453.	1.8	124
104	The Relaxation Dynamics of a Supercooled Liquid Confined by Rough Walls. Journal of Physical Chemistry B, 2004, 108, 6673-6686.	2.6	203
105	First-principles molecular-dynamics simulations of a hydrous silica melt:â€,Structural properties and hydrogen diffusion mechanism. Physical Review B, 2004, 70, .	3.2	35
106	Chain conformation in thin polymer layers as revealed by simulations of ideal random walks. European Physical Journal E, 2003, 12, 143-146.	1.6	7
107	The relaxation dynamics of a confined glassy simple liquid. European Physical Journal E, 2003, 12, 5-9.	1.6	64
108	The interplay between structure and ionic motions in glasses. Computing in Science and Engineering, 2003, 5, 60-66.	1.2	3

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109	The dynamics of melts containing mobile ions: computer simulations of sodium silicates. Journal of Physics Condensed Matter, 2003, 15, S903-S908.	1.8	10
110	Statics and dynamics of the ten-state nearest-neighbour Potts glass on the simple-cubic lattice. Journal of Physics A, 2003, 36, 10847-10866.	1.6	20
111	Simulations numériques de la dynamique des liquides et des verres. European Physical Journal Special Topics, 2003, 111, 395-395.	0.2	0
112	Amorphous Silica at Surfaces and Interfaces: Simulation Studies. , 2003, , 167-179.		1
113	Influence of Confining Walls on the Dynamics of Supercooled Simple Liquids. , 2003, , 297-312.		1
114	The Importance of Intermediate Range Order in Silicates: Molecular Dynamics Simulation Studies. , 2003, , 109-121.		0
115	Atomistic Simulation of Transport Phenomena in Simple and Complex Fluids and Fluid Mixtures. Lecture Notes in Computational Science and Engineering, 2003, , 226-248.	0.3	0
116	Dynamics of Sodium in Sodium Disilicate: Channel Relaxation and Sodium Diffusion. Physical Review Letters, 2002, 88, 125502.	7.8	120
117	Dynamical heterogeneities below the glass transition. Journal of Chemical Physics, 2002, 116, 5158.	3.0	102
118	Statics and dynamics of the ten-state mean-field Potts glass model: a Monte Carlo study. Journal of Physics A, 2002, 35, 191-216.	1.6	26
119	The structural relaxation of molten sodium disilicate. Journal of Physics Condensed Matter, 2002, 14, 9237-9253.	1.8	23
120	Evidence against a glass transition in the 10-state short-range Potts glass. Europhysics Letters, 2002, 59, 546-551.	2.0	14
121	The vibrational dynamics of vitreous silica: Classical force fields vs. first principles. Europhysics Letters, 2002, 60, 269-275.	2.0	43
122	Intermediate Range Order in Silicate Melts and Glasses: Computer Simulation Studies. Materials Research Society Symposia Proceedings, 2002, 754, 1.	0.1	0
123	The high-temperature dynamics of a mean-field Potts glass. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 663-668.	0.6	1
124	Growing length scales in a supercooled liquid close to an interface. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 283-290.	0.6	32
125	Transport properties of sodium in a silicate glass: A numerical study. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 597-606.	0.6	5
126	Cooperative motion and growing length scales in supercooled confined liquids. Europhysics Letters, 2002, 59, 701-707.	2.0	235

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127	Quantitative tests of mode-coupling theory for fragile and strong glass formers. Journal of Non-Crystalline Solids, 2002, 307-310, 181-187.	3.1	44
128	Molecular dynamics study of the diffusion of sodium in amorphous silica. Journal of Non-Crystalline Solids, 2002, 307-310, 939-945.	3.1	13
129	Thermodynamics and aging in supercooled liquids: the energy landscape approach. Physica A: Statistical Mechanics and Its Applications, 2002, 306, 343-350.	2.6	6
130	Ergodicity breaking in a mean field Potts glass: A Monte Carlo investigation. Computer Physics Communications, 2002, 147, 154-157.	7.5	3
131	Classical and ab-initio molecular dynamic simulation of an amorphous silica surface. Computer Physics Communications, 2002, 147, 222-225.	7.5	45
132	Static and dynamic glass transitions in the 10-state Potts glass: What can Monte Carlo simulations contribute?. Computer Physics Communications, 2002, 146, 9-15.	7.5	1
133	Simulation of Models for the Glass Transition: Is There Progress?. Lecture Notes in Physics, 2002, , 199-228.	0.7	5
134	Multiscale Computer Simulations in Physics, Chemistry, and Biology: The Example Of Silica. , 2002, , 1-15.		1
135	The high-temperature dynamics of a mean-field Potts glass. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 663-668.	0.6	4
136	Transport properties of sodium in a silicate glass: a numerical study. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 597-606.	0.6	2
137	Growing length scales in a supercooled liquid close to an interface. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 283-290.	0.6	19
138	Structure and dynamics of amorphous silica surfaces. Journal of Chemical Physics, 2001, 114, 7602-7614.	3.0	189
139	Debye-Waller Factor of Liquid Silica: Theory and Simulation. Physical Review Letters, 2001, 86, 648-651.	7.8	112
140	Structural and dynamical properties of sodium silicate melts: an investigation by molecular dynamics computer simulation. Chemical Geology, 2001, 174, 87-101.	3.3	118
141	Channel diffusion of sodium in a silicate glass. Physical Review B, 2001, 64, .	3.2	138
142	High frequency sound and the boson peak in amorphous silica. European Physical Journal B, 2001, 19, 531-543.	1.5	112
143	Finite-size scaling at the dynamical transition of the mean-field 10-state Potts glass. Europhysics Letters, 2001, 53, 756-761.	2.0	25
144	Frequency-dependent specific heat of viscous silica. Physical Review B, 2001, 63, .	3.2	57

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145	Relaxation dynamics of a viscous silica melt: The intermediate scattering functions. Physical Review E, 2001, 64, 041503.	2.1	97
146	Equilibrating Glassy Systems with Parallel Tempering. Springer Proceedings in Physics, 2001, , 153-166.	0.2	2
147	Molecular Dynamics Simulation of Confined Glass Forming Liquids. Materials Research Society Symposia Proceedings, 2000, 651, 1.	0.1	2
148	The -relaxation dynamics of a simple liquid. European Physical Journal B, 2000, 13, 83-86.	1.5	40
149	Fluctuations, response and aging dynamics in a simple glass-forming liquid out of equilibrium. European Physical Journal B, 2000, 13, 319-333.	1.5	84
150	Thermodynamics of supercooled liquids in the inherent-structure formalism: a case study. Journal of Physics Condensed Matter, 2000, 12, 6525-6534.	1.8	67
151	Aging in a simple glass former. Journal of Physics Condensed Matter, 2000, 12, 6385-6394.	1.8	27
152	Replica-exchange molecular dynamics simulation for supercooled liquids. Physical Review E, 2000, 61, 5473-5476.	2.1	77
153	Constitution der Materie. Eine Vorlesung Ã1⁄4ber die Grundlagen der Physik aus dem Jahre 1884/Guicciardini.: Reading the Principia. The Debate on Newton's Mathematical Methods for Natural Philosophy from 1687 to 1736/Newton.: The Principia. Mathematical Principles of Natural Philosophy/Newton: Die mathematischen Prinzipien der Physik/Newman u. Barkema: Monte Carlo	0.1	0
154	Methods in Statistical Physics/Singh.: Modern Physics. Physik Journal, 2000, 56, 62-66. Aging as dynamics in configuration space. Europhysics Letters, 2000, 49, 590-596.	2.0	128
155	The relaxation dynamics of a simple glass former confined in a pore. Europhysics Letters, 2000, 52, 277-283.	2.0	125
156	Static and dynamical properties of a supercooled liquid confined in a pore. European Physical Journal Special Topics, 2000, 10, Pr7-33-Pr7-36.	0.2	22
157	Structure and dynamics of sodium disilicate. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1999, 79, 1981-1986.	0.6	36
158	Fluctuation-dissipation ratio in an aging Lennard-Jones glass. Europhysics Letters, 1999, 46, 637-642.	2.0	104
159	Inherent Structure Entropy of Supercooled Liquids. Physical Review Letters, 1999, 83, 3214-3217.	7.8	408
160	Spatial correlations of mobility and immobility in a glass-forming Lennard-Jones liquid. Physical Review E, 1999, 60, 3107-3119.	2.1	455
161	COOLING RATE DEPENDENCE AND DYNAMIC HETEROGENEITY BELOW THE GLASS TRANSITION IN A LENNARD–JONES GLASS. International Journal of Modern Physics C, 1999, 10, 1443-1451.	1.7	11
162	Aging in a Lennard-Jones glass. Physica A: Statistical Mechanics and Its Applications, 1999, 263, 234-241.	2.6	21

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163	Static and dynamic properties of a viscous silica melt. Physical Review B, 1999, 60, 3169-3181.	3.2	367
164	Aging and the fluctuation dissipation ratio in a Lennard-Jones fluid. Journal of Physics Condensed Matter, 1999, 11, A247-A252.	1.8	11
165	Specific Heat of Amorphous Silica within the Harmonic Approximation. Journal of Physical Chemistry B, 1999, 103, 4104-4108.	2.6	85
166	Computer simulations of supercooled liquids and glasses. Journal of Physics Condensed Matter, 1999, 11, R85-R115.	1.8	216
167	Frequency dependent specific heat of amorphous silica: A molecular dynamics computer simulation. , 1999, , .		0
168	Glass physics: still not transparent. Physics World, 1999, 12, 54-54.	0.0	12
169	The Quasi-Static Structure of Oxide Glasses. Schott Series on Glass and Glass Ceramics, 1999, , 141-311.	0.7	1
170	Dynamics of the Glass Structure. Schott Series on Glass and Glass Ceramics, 1999, , 313-398.	0.7	3
171	Computer Simulations of the Dynamics of Amorphous Silica. , 1999, , 186-195.		0
172	The dynamics of supercooled silica: acoustic modes and boson peak. Journal of Non-Crystalline Solids, 1998, 235-237, 320-324.	3.1	36
173	Molecular dynamics simulation of the dynamics of supercooled silica. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 77, 297-303.	0.6	34
174	Test of mode coupling theory for a supercooled liquid of diatomic molecules. II.q-dependent orientational correlators. Physical Review E, 1998, 58, 2141-2150.	2.1	50
175	How Does the Relaxation of a Supercooled Liquid Depend on Its Microscopic Dynamics?. Physical Review Letters, 1998, 81, 4404-4407.	7.8	195
176	Stringlike Cooperative Motion in a Supercooled Liquid. Physical Review Letters, 1998, 80, 2338-2341.	7.8	846
177	Kob and Barrat Reply:. Physical Review Letters, 1998, 81, 931-931.	7.8	6
178	Test of mode coupling theory for a supercooled liquid of diatomic molecules. I. Translational degrees of freedom. Physical Review E, 1998, 58, 2131-2140.	2.1	53
179	The Mode-Coupling Theory of the Glass Transition. ACS Symposium Series, 1997, , 28-44.	0.5	19
180	Dynamics of the rotational degrees of freedom in a supercooled liquid of diatomic molecules. Physical Review E, 1997, 56, 5450-5461.	2.1	139

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181	Small-Angle Excess Scattering: Glassy Freezing or Local Orientational Ordering?. Physical Review Letters, 1997, 78, 2136-2139.	7.8	18
182	Computer simulation of models for the structural glass transition. , 1997, , 22-43.		0
183	Dynamics of a supercooled Lennard-Jones system: Qualitative and quantitative tests of mode-coupling theory. , 1997, , 82-89.		0
184	Aging Effects in a Lennard-Jones Glass. Physical Review Letters, 1997, 78, 4581-4584.	7.8	231
185	Numerical study of the electronic structure of amorphous silica. Physical Review B, 1997, 56, 9469-9476.	3.2	26
186	Dynamical Heterogeneities in a Supercooled Lennard-Jones Liquid. Physical Review Letters, 1997, 79, 2827-2830.	7.8	861
187	Quantitative test of the mode-coupling theory of the ideal glass transition for a binary Lennard-Jones system. Physical Review E, 1997, 55, 657-667.	2.1	141
188	Dynamics of a Supercooled Lennard-Jones System: Qualitative and Quantitative Tests of Mode-Coupling Theory. Progress of Theoretical Physics Supplement, 1997, 126, 35-42.	0.1	7
189	How do the properties of a glass depend on the cooling rate? A computer simulation study of a Lennardâ€Jones system. Journal of Chemical Physics, 1996, 105, 4714-4728.	3.0	141
190	Cooling-rate effects in amorphous silica: A computer-simulation study. Physical Review B, 1996, 54, 15808-15827.	3.2	612
191	Dynamics of a Supercooled Lennard-Jones System: Qualitative and Quantitative Tests of Mode-Coupling Theory. Materials Research Society Symposia Proceedings, 1996, 455, 59.	0.1	0
192	Investigating the cooling rate dependence of amorphous silica: A computer simulation study. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1996, 100, 1399-1401.	0.9	14
193	Finite size effects in simulations of glass dynamics. Physical Review E, 1996, 54, R5897-R5900.	2.1	146
194	Cooling Rate Dependence of the Internal Structure of a Lennard-Jones Glass. Europhysics Letters, 1995, 32, 715-719.	2.0	23
195	Testing mode-coupling theory for a supercooled binary Lennard-Jones mixture. Transport Theory and Statistical Physics, 1995, 24, 1179-1198.	0.4	20
196	Computer simulations of supercooled liquids and glasses what is feasible?. Computational Materials Science, 1995, 4, 345-348.	3.0	1
197	Testing mode-coupling theory for a supercooled binary Lennard-Jones mixture I: The van Hove correlation function. Physical Review E, 1995, 51, 4626-4641.	2.1	1,123
198	Testing mode-coupling theory for a supercooled binary Lennard-Jones mixture. II. Intermediate scattering function and dynamic susceptibility. Physical Review E, 1995, 52, 4134-4153.	2.1	534

#	Article	IF	CITATIONS
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