

# Biman Bagchi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5815884/publications.pdf>

Version: 2024-02-01

401  
papers

16,360  
citations

20759

60  
h-index

25716

108  
g-index

408  
all docs

408  
docs citations

408  
times ranked

8961  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric Relaxation and Solvation Dynamics of Water in Complex Chemical and Biological Systems. <i>Chemical Reviews</i> , 2000, 100, 2013-2046.	23.0	861
2	Water Dynamics in the Hydration Layer around Proteins and Micelles. <i>Chemical Reviews</i> , 2005, 105, 3197-3219.	23.0	750
3	Biological Water: Femtosecond Dynamics of Macromolecular Hydration. <i>Journal of Physical Chemistry B</i> , 2002, 106, 12376-12395.	1.2	468
4	Collapse of stiff conjugated polymers with chemical defects into ordered, cylindrical conformations. <i>Nature</i> , 2000, 405, 1030-1033.	13.7	433
5	Dielectric Relaxation of Biological Water. <i>Journal of Physical Chemistry B</i> , 1997, 101, 10954-10961.	1.2	430
6	Theory of the time development of the stokes shift in polar media. <i>Chemical Physics</i> , 1984, 86, 257-267.	0.9	370
7	Slow Dynamics of Constrained Water in Complex Geometries. <i>Journal of Physical Chemistry A</i> , 2000, 104, 10603-10613.	1.1	360
8	Hydrogen-Bond Dynamics near a Micellar Surface: Origin of the Universal Slow Relaxation at Complex Aqueous Interfaces. <i>Physical Review Letters</i> , 2002, 89, 115505.	2.9	345
9	Theory of electronic relaxation in solution in the absence of an activation barrier. <i>Journal of Chemical Physics</i> , 1983, 78, 7375-7385.	1.2	326
10	Nonspecifically bound proteins spin while diffusing along DNA. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 1224-1229.	3.6	297
11	Dynamics of activationless reactions in solution. <i>The Journal of Physical Chemistry</i> , 1990, 94, 9-20.	2.9	220
12	Distance and Orientation Dependence of Excitation Transfer Rates in Conjugated Systems: Beyond the Förster Theory. <i>Journal of Physical Chemistry A</i> , 2004, 108, 5752-5763.	1.1	217
13	The effect of frequency dependent friction on isomerization dynamics in solution. <i>Journal of Chemical Physics</i> , 1983, 78, 2735-2741.	1.2	205
14	Solvation dynamics in dipolar liquids. <i>Chemical Society Reviews</i> , 2010, 39, 1936.	18.7	197
15	On the Molecular Mechanism of Drug Intercalation into DNA: A Simulation Study of the Intercalation Pathway, Free Energy, and DNA Structural Changes. <i>Journal of the American Chemical Society</i> , 2008, 130, 9747-9755.	6.6	176
16	Collective Orientational Relaxation in Dense Dipolar Liquids. <i>Advances in Chemical Physics</i> , 2007, , 1-126.	0.3	165
17	Ultrafast solvation dynamics in water: Isotope effects and comparison with experimental results. <i>Journal of Chemical Physics</i> , 1995, 102, 1390-1397.	1.2	142
18	Structure and Dynamics of DNA-Dendrimer Complexation: Role of Counterions, Water, and Base Pair Sequence. <i>Nano Letters</i> , 2006, 6, 2478-2485.	4.5	139

#	ARTICLE	IF	CITATIONS
19	Anomalous diffusion of small particles in dense liquids. <i>Journal of Chemical Physics</i> , 1997, 106, 1757-1763.	1.2	138
20	Secondary Structure Sensitivity of Hydrogen Bond Lifetime Dynamics in the Protein Hydration Layer. <i>Journal of the American Chemical Society</i> , 2005, 127, 16660-16667.	6.6	137
21	Distance and Orientation Dependence of Excitation Energy Transfer: From Molecular Systems to Metal Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1817-1832.	1.2	126
22	Anomalous Dielectric Relaxation of Aqueous Protein Solutions. <i>Journal of Physical Chemistry A</i> , 1998, 102, 8217-8221.	1.1	124
23	The dynamics of polar solvation: Inhomogeneous dielectric continuum models. <i>Journal of Chemical Physics</i> , 1988, 89, 3519-3534.	1.2	115
24	Ultrafast Solvation Dynamics of an Ion in the $\beta$ -Cyclodextrin Cavity: The Role of Restricted Environment. <i>The Journal of Physical Chemistry</i> , 1996, 100, 13914-13919.	2.9	115
25	Solvation dynamics in liquid water. A novel interplay between librational and diffusive modes. <i>Journal of Chemical Physics</i> , 1993, 99, 9938-9943.	1.2	114
26	Identity, Energy, and Environment of Interfacial Water Molecules in a Micellar Solution. <i>Journal of Physical Chemistry B</i> , 2003, 107, 5194-5202.	1.2	99
27	Theoretical and Computational Analysis of Static and Dynamic Anomalies in Water-DMSO Binary Mixture at Low DMSO Concentrations. <i>Journal of Physical Chemistry B</i> , 2011, 115, 685-692.	1.2	99
28	Facilitation, complexity growth, mode coupling, and activated dynamics in supercooled liquids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16077-16082.	3.3	94
29	Enhanced Pair Hydrophobicity in the Water-Dimethylsulfoxide (DMSO) Binary Mixture at Low DMSO Concentrations. <i>Journal of Physical Chemistry B</i> , 2010, 114, 12875-12882.	1.2	94
30	Frequency dependence of ionic conductivity of electrolyte solutions. <i>Journal of Chemical Physics</i> , 2000, 112, 1876-1886.	1.2	92
31	Sensitivity of Polar Solvation Dynamics to the Secondary Structures of Aqueous Proteins and the Role of Surface Exposure of the Probe. <i>Journal of the American Chemical Society</i> , 2005, 127, 4071-4075.	6.6	92
32	Multiple Time Scales in Solvation Dynamics of DNA in Aqueous Solution: The Role of Water, Counterions, and Cross-Correlations. <i>Journal of Physical Chemistry B</i> , 2006, 110, 26396-26402.	1.2	92
33	Resonance energy transfer from a fluorescent dye to a metal nanoparticle. <i>Journal of Chemical Physics</i> , 2006, 125, 181102.	1.2	89
34	Ionic Mobility and Ultrafast Solvation: Control of a Slow Phenomenon by Fast Dynamics. <i>Accounts of Chemical Research</i> , 1998, 31, 181-187.	7.6	88
35	Anomalous Ion Diffusion in Dense Dipolar Liquids. <i>Physical Review Letters</i> , 1995, 75, 1098-1101.	2.9	87
36	Hydration Layer of a Cationic Micelle, C10TAB: Structure, Rigidity, Slow Reorientation, Hydrogen Bond Lifetime, and Solvation Dynamics. <i>Journal of Physical Chemistry B</i> , 2005, 109, 12879-12890.	1.2	86

#	ARTICLE	IF	CITATIONS
37	Diffusion Constant of a Nonspecifically Bound Protein Undergoing Curvilinear Motion along DNA. <i>Journal of Physical Chemistry B</i> , 2008, 112, 6282-6284.	1.2	86
38	Entropy of Water in the Hydration Layer of Major and Minor Grooves of DNA. <i>Journal of Physical Chemistry B</i> , 2006, 110, 19611-19618.	1.2	85
39	Dynamics of bound and free water in an aqueous micellar solution: Analysis of the lifetime and vibrational frequencies of hydrogen bonds at a complex interface. <i>Physical Review E</i> , 2003, 67, 061502.	0.8	83
40	Microscopic expression for frequency and wave vector dependent dielectric constant of a dipolar liquid. <i>Journal of Chemical Physics</i> , 1989, 90, 1832-1840.	1.2	81
41	Molecular theory of nonpolar solvation dynamics. <i>Journal of Chemical Physics</i> , 1994, 100, 6658-6664.	1.2	81
42	Polar and Nonpolar Solvation Dynamics, Ion Diffusion, and Vibrational Relaxation: Role of Biphasic Solvent Response in Chemical Dynamics. <i>Advances in Chemical Physics</i> , 2007, , 207-433.	0.3	80
43	Slow Solvation Dynamics near an Aqueous Micellar Surface. <i>Journal of Physical Chemistry B</i> , 2001, 105, 12529-12533.	1.2	76
44	Microscopic expression for dielectric friction on a moving ion. <i>Journal of Chemical Physics</i> , 1991, 95, 467-478.	1.2	75
45	Ion conductance in electrolyte solutions. <i>Journal of Chemical Physics</i> , 1999, 110, 10024-10034.	1.2	75
46	A molecular theory of collective orientational relaxation in pure and binary dipolar liquids. <i>Journal of Chemical Physics</i> , 1989, 91, 1829-1842.	1.2	74
47	Molecular Origin of the Intrinsic Bending Force for Helical Morphology Observed in Chiral Amphiphilic Assemblies: A Concentration and Size Dependence. <i>Journal of the American Chemical Society</i> , 1996, 118, 11208-11216.	6.6	74
48	Polarization relaxation, dielectric dispersion, and solvation dynamics in dense dipolar liquid. <i>Journal of Chemical Physics</i> , 1989, 90, 7338-7345.	1.2	73
49	Beyond the Classical Transport Laws of Electrochemistry: A New Microscopic Approach to Ionic Conductance and Viscosity. <i>Journal of Physical Chemistry B</i> , 2000, 104, 9067-9080.	1.2	73
50	Comparison of the ultrafast to slow time scale dynamics of three liquid crystals in the isotropic phase. <i>Journal of Chemical Physics</i> , 2002, 116, 6339-6347.	1.2	73
51	Structural and Electronic Characterization of Chemical and Conformational Defects in Conjugated Polymers. <i>Journal of Physical Chemistry B</i> , 2001, 105, 6103-6107.	1.2	72
52	The role of translational diffusion in the polarization relaxation in dense polar liquids. <i>Chemical Physics Letters</i> , 1988, 151, 47-53.	1.2	70
53	Temperature dependence of water dynamics at an aqueous micellar surface: Atomistic molecular dynamics simulation studies of a complex system. <i>Journal of Chemical Physics</i> , 2002, 117, 2852-2859.	1.2	69
54	Ultrafast underdamped solvation: Agreement between computer simulation and various theories of solvation dynamics. <i>Journal of Chemical Physics</i> , 1993, 99, 1310-1319.	1.2	67

#	ARTICLE	IF	CITATIONS
55	Dimethyl sulfoxide induced structural transformations and non-monotonic concentration dependence of conformational fluctuation around active site of lysozyme. <i>Journal of Chemical Physics</i> , 2012, 136, 115103.	1.2	67
56	Ionic mobility in alcohols: From dielectric friction to the solventâ€“berg model. <i>Journal of Chemical Physics</i> , 1997, 106, 5587-5598.	1.2	66
57	Fluorescence resonance energy transfer (FRET) in chemistry and biology: Non-Förster distance dependence of the FRET rate. <i>Journal of Chemical Sciences</i> , 2006, 118, 23-35.	0.7	66
58	Two-Dimensional Reaction Free Energy Surfaces of Catalytic Reaction: Effects of Protein Conformational Dynamics on Enzyme Catalysis. <i>Journal of Physical Chemistry B</i> , 2008, 112, 454-466.	1.2	66
59	Structural Transformations, Composition Anomalies and a Dramatic Collapse of Linear Polymer Chains in Dilute Ethanolâ€“Water Mixtures. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3713-3722.	1.2	66
60	Liquid crystal dynamics in the isotropic phase. <i>Journal of Chemical Physics</i> , 2002, 116, 360.	1.2	65
61	Influence of non-Debye relaxation and of molecular shape on the time dependence of the Stokes shift in polar media. <i>Chemical Physics Letters</i> , 1988, 143, 270-276.	1.2	64
62	Ionic contribution to the viscosity of dilute electrolyte solutions: Towards a microscopic theory. <i>Journal of Chemical Physics</i> , 2000, 113, 3226-3232.	1.2	64
63	Molecular theory of solvation and solvation dynamics of a classical ion in a dipolar liquid. <i>The Journal of Physical Chemistry</i> , 1989, 93, 6996-7003.	2.9	63
64	Exploring DNA groove water dynamics through hydrogen bond lifetime and orientational relaxation. <i>Journal of Chemical Physics</i> , 2006, 125, 234903.	1.2	63
65	Mode Coupling Theory Approach to the Liquid-State Dynamics. <i>Advances in Chemical Physics</i> , 2007, , 67-221.	0.3	62
66	Diffusion of flexible, charged, nanoscopic molecules in solution: Size and pH dependence for PAMAM dendrimer. <i>Journal of Chemical Physics</i> , 2009, 131, 214901.	1.2	61
67	Atomistic Simulation Study of the Coupled Motion of Amino Acid Residues and Water Molecules around Protein HP-36: Fluctuations at and around the Active Sites. <i>Journal of Physical Chemistry B</i> , 2004, 108, 12608-12616.	1.2	60
68	Dipolar solvation dynamics. <i>Faraday Discussions of the Chemical Society</i> , 1988, 85, 199.	2.2	55
69	Pressure and temperature dependence of viscosity and diffusion coefficients of a glassy binary mixture. <i>Journal of Chemical Physics</i> , 2002, 116, 4577-4586.	1.2	55
70	Water solvation dynamics in the bulk and in the hydration layer of proteins and self-assemblies. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2003, 99, 127-175.	4.4	55
71	Hydrogen Bond Breaking Mechanism and Water Reorientational Dynamics in the Hydration Layer of Lysozyme. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9112-9117.	1.2	53
72	Solvation Dynamics in Slow, Viscous Liquids: Application to Amides. <i>The Journal of Physical Chemistry</i> , 1996, 100, 1238-1245.	2.9	52

#	ARTICLE	IF	CITATIONS
73	Limiting Ionic Conductance of Symmetrical, Rigid Ions in Aqueous Solutions: Temperature Dependence and Solvent Isotope Effects. <i>Journal of the American Chemical Society</i> , 1997, 119, 5946-5953.	6.6	52
74	Anisotropic diffusion of spheroids in liquids: Slow orientational relaxation of the oblates. <i>Journal of Chemical Physics</i> , 2002, 116, 1092-1096.	1.2	50
75	Contribution to the theory of freezing. <i>Journal of Chemical Physics</i> , 1983, 79, 5595-5604.	1.2	49
76	Prediction of the Senses of Helical Amphiphilic Assemblies from Effective Intermolecular Pair Potential: Studies on Chiral Monolayers and Bilayers. <i>Journal of Physical Chemistry A</i> , 1997, 101, 1343-1351.	1.1	49
77	Fluctuating micro-heterogeneity in water-tert-butyl alcohol mixtures and lambda-type divergence of the mean cluster size with phase transition-like multiple anomalies. <i>Journal of Chemical Physics</i> , 2014, 140, 194502.	1.2	49
78	Isomerization dynamics in solution. <i>International Reviews in Physical Chemistry</i> , 1987, 6, 1-33.	0.9	48
79	Solvation Dynamics in Monohydroxy Alcohols: Agreement between Theory and Different Experiments. <i>Journal of Physical Chemistry B</i> , 1997, 101, 2968-2979.	1.2	48
80	Solvent Sensitivity of Protein Unfolding: Dynamical Study of Chicken Villin Headpiece Subdomain in Water-Ethanol Binary Mixture. <i>Journal of Physical Chemistry B</i> , 2013, 117, 15625-15638.	1.2	48
81	Relationship between microscopic and macroscopic orientational relaxation times in polar liquids. <i>The Journal of Physical Chemistry</i> , 1990, 94, 3152-3156.	2.9	47
82	Nonideality in the composition dependence of viscosity in binary mixtures. <i>Journal of Chemical Physics</i> , 2001, 114, 6220-6228.	1.2	47
83	Correlation between rate of folding, energy landscape, and topology in the folding of a model protein HP-36. <i>Journal of Chemical Physics</i> , 2003, 118, 4733-4747.	1.2	47
84	Enhanced Tetrahedral Ordering of Water Molecules in Minor Grooves of DNA: Relative Role of DNA Rigidity, Nanoconfinement, and Surface Specific Interactions. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3633-3638.	1.2	47
85	Solvation dynamics of tryptophan in water-dimethyl sulfoxide binary mixture: In search of molecular origin of composition dependent multiple anomalies. <i>Journal of Chemical Physics</i> , 2013, 139, 034308.	1.2	47
86	Protein Hydration Dynamics: Much Ado about Nothing?. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4878-4882.	2.1	47
87	Enhancement of reaction rate in small-sized droplets: A combined analytical and simulation study. <i>Journal of Chemical Physics</i> , 2018, 148, 244704.	1.2	47
88	Orientation-dependent potential of mean force for protein folding. <i>Journal of Chemical Physics</i> , 2005, 123, 014901.	1.2	46
89	Elucidating the Mechanism of Nucleation near the Gas-Liquid Spinodal. <i>Physical Review Letters</i> , 2007, 98, 206104.	2.9	46
90	Crucial role of fragmented and isolated defects in persistent relaxation of deeply supercooled water. <i>Journal of Chemical Physics</i> , 2018, 149, 124504.	1.2	46

#	ARTICLE	IF	CITATIONS
91	Exotic dielectric behavior of polar liquids. <i>Journal of Chemical Physics</i> , 1989, 91, 3056-3060.	1.2	45
92	Bridging the gap between the mode coupling and the random first order transition theories of structural relaxation in liquids. <i>Physical Review E</i> , 2005, 72, 031509.	0.8	45
93	From anomalies in neat liquid to structure, dynamics and function in the biological world. <i>Chemical Physics Letters</i> , 2012, 529, 1-9.	1.2	45
94	Dynamical control by water at a molecular level in protein dimer association and dissociation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2302-2308.	3.3	43
95	On the theory of barrierless electronic relaxation in solution. <i>Journal of Chemical Physics</i> , 1987, 87, 5393-5402.	1.2	42
96	Interplay Between Ultrafast Polar Solvation and Vibrational Dynamics in Electron Transfer Reactions: Role of High-Frequency Vibrational Modes. <i>Advances in Chemical Physics</i> , 2007, , 1-80.	0.3	42
97	Comparative Study of Protein Unfolding in Aqueous Urea and Dimethyl Sulfoxide Solutions: Surface Polarity, Solvent Specificity, and Sequence of Secondary Structure Melting. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5691-5697.	1.2	42
98	Power law mass dependence of diffusion: A mode coupling theory analysis. <i>Physical Review E</i> , 2000, 61, 3850-3856.	0.8	41
99	Energy Landscape, Antiplasticization, and Polydispersity Induced Crossover of Heterogeneity in Supercooled Polydisperse Liquids. <i>Physical Review Letters</i> , 2008, 100, 167801.	2.9	40
100	Free Energy Barriers for Escape of Water Molecules from Protein Hydration Layer. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2958-2968.	1.2	40
101	Hydrophobic hydration driven self-assembly of curcumin in water: Similarities to nucleation and growth under large metastability, and an analysis of water dynamics at heterogeneous surfaces. <i>Journal of Chemical Physics</i> , 2014, 141, 18C501.	1.2	40
102	Distinguishing dynamical features of water inside protein hydration layer: Distribution reveals what is hidden behind the average. <i>Journal of Chemical Physics</i> , 2017, 147, 024901.	1.2	40
103	Stability of a supercooled liquid to periodic density waves and dynamics of freezing. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1987, 145, 273-289.	1.2	39
104	Computer simulation and mode coupling theory study of the effects of specific solute-solvent interactions on diffusion: Crossover from a sub-slip to a super-stick limit of diffusion. <i>Journal of Chemical Physics</i> , 1999, 110, 4477-4482.	1.2	39
105	What Gives an Insulin Hexamer Its Unique Shape and Stability? Role of Ten Confined Water Molecules. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1631-1637.	1.2	39
106	Solvation of an ion and of a dipole in a dipolar liquid: How different are the dynamics?. <i>Chemical Physics Letters</i> , 1989, 155, 533-538.	1.2	38
107	Needlelike motion of prolate ellipsoids in the sea of spheres. <i>Journal of Chemical Physics</i> , 2001, 114, 7989-7992.	1.2	38
108	Native and Unfolded Cytochrome <i>c</i> Comparison of Dynamics using 2D-IR Vibrational Echo Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008, 112, 10054-10063.	1.2	38

#	ARTICLE	IF	CITATIONS
109	Rotation driven translational diffusion of polyatomic ions in water: A novel mechanism for breakdown of Stokes-Einstein relation. <i>Journal of Chemical Physics</i> , 2017, 146, 164502.	1.2	38
110	Role of Water in the Enzymatic Catalysis: Study of ATP + AMP $\rightleftharpoons$ 2ADP Conversion by Adenylate Kinase. <i>Journal of Physical Chemistry A</i> , 2011, 115, 3691-3697.	1.1	37
111	Anomalous Behavior of Linear Hydrocarbon Chains in Water-DMSO Binary Mixture at Low DMSO Concentration. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7612-7620.	1.2	37
112	Dynamic coupling between the LID and NMP domain motions in the catalytic conversion of ATP and AMP to ADP by adenylate kinase. <i>Journal of Chemical Physics</i> , 2011, 134, 035101.	1.2	37
113	Relationship between entropy and diffusion: A statistical mechanical derivation of Rosenfeld expression for a rugged energy landscape. <i>Journal of Chemical Physics</i> , 2015, 143, 194110.	1.2	37
114	Insulin dimer dissociation in aqueous solution: A computational study of free energy landscape and evolving microscopic structure along the reaction pathway. <i>Journal of Chemical Physics</i> , 2018, 149, 114902.	1.2	37
115	Water in Carbon Nanotubes: Pronounced Anisotropy in Dielectric Dispersion and Its Microscopic Origin. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6287-6292.	2.1	37
116	Ions <sup>TM</sup> motion in water. <i>Journal of Chemical Physics</i> , 2019, 150, 190901.	1.2	37
117	Molecular theory of ultrafast solvation in liquid acetonitrile. <i>Journal of Chemical Physics</i> , 1993, 99, 3139-3142.	1.2	36
118	Role of conformational dynamics in kinetics of an enzymatic cycle in a nonequilibrium steady state. <i>Journal of Chemical Physics</i> , 2009, 131, 065104.	1.2	36
119	Dielectric and orientational relaxation in a Brownian dipolar lattice. <i>Journal of Chemical Physics</i> , 1992, 97, 3610-3620.	1.2	35
120	Solvation Dynamics in Nonassociated Polar Solvents. <i>Journal of Physical Chemistry A</i> , 1999, 103, 2495-2500.	1.1	35
121	Decoupling Phenomena in Supercooled Liquids: Signatures in the Energy Landscape. <i>Physical Review Letters</i> , 2006, 96, 187801.	2.9	35
122	Origin of diverse time scales in the protein hydration layer solvation dynamics: A simulation study. <i>Journal of Chemical Physics</i> , 2017, 147, 154901.	1.2	35
123	Mechanism of Solvent Control of Protein Dynamics. <i>Physical Review Letters</i> , 2019, 122, 058101.	2.9	35
124	Activated barrier crossing dynamics in slow, viscous liquids. <i>Journal of Chemical Physics</i> , 1996, 105, 7543-7549.	1.2	34
125	Vibrational energy relaxation, nonpolar solvation dynamics and instantaneous normal modes: Role of binary interaction in the ultrafast response of a dense liquid. <i>Journal of Chemical Physics</i> , 1998, 108, 4963-4971.	1.2	34
126	Time-dependent survival probability in diffusion-controlled reactions in a polymer chain: Beyond the Wilemski-Fixman theory. <i>Journal of Chemical Physics</i> , 2002, 116, 7276-7282.	1.2	34



#	ARTICLE	IF	CITATIONS
127	Unique Features of Metformin: A Combined Experimental, Theoretical, and Simulation Study of Its Structure, Dynamics, and Interaction Energetics with DNA Grooves. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2227-2242.	1.2	33
128	New results in the theory of barrierless electronic relaxation in solution. <i>Chemical Physics Letters</i> , 1987, 135, 558-564.	1.2	32
129	Time dependent solution of generalized Zusman model of outersphere electron transfer reactions: Applications to various experimental situations. <i>Journal of Chemical Physics</i> , 1994, 100, 8802-8816.	1.2	32
130	Bimodality of the viscoelastic response of a dense liquid and comparison with the frictional responses at short times. <i>Journal of Chemical Physics</i> , 1998, 109, 7885-7892.	1.2	32
131	Isomerization dynamics in viscous liquids: Microscopic investigation of the coupling and decoupling of the rate to and from solvent viscosity and dependence on the intermolecular potential. <i>Journal of Chemical Physics</i> , 1999, 110, 7365-7375.	1.2	32
132	Non-monotonic dependence of electronic relaxation rate on solvent viscosity. <i>Chemical Physics Letters</i> , 1983, 99, 225-231.	1.2	31
133	Microscopic theory of ion solvation dynamics in liquid methanol. <i>Journal of Chemical Physics</i> , 1994, 101, 4150-4155.	1.2	31
134	Effects of Ultrafast Solvation on the Rate of Adiabatic Outer-Sphere Electron Transfer Reactions. <i>The Journal of Physical Chemistry</i> , 1994, 98, 9207-9215.	2.9	31
135	Breakdown of Onsager's conjecture on distance dependent polarization relaxation in solvation dynamics. <i>Journal of Chemical Physics</i> , 1989, 91, 2594-2598.	1.2	30
136	FRET by FET and Dynamics of Polymer Folding. <i>Journal of Physical Chemistry B</i> , 2001, 105, 2475-2478.	1.2	30
137	Effects of vibrational energy relaxation and reverse reaction on electron transfer kinetics and fluorescence line shapes in solution. <i>Journal of Chemical Physics</i> , 2001, 115, 6058-6071.	1.2	30
138	Nonexponentiality of time dependent survival probability and the fractional viscosity dependence of the rate in diffusion controlled reactions in a polymer chain. <i>Journal of Chemical Physics</i> , 2001, 114, 9170-9178.	1.2	30
139	The Enskog theory for transport coefficients of simple fluids with continuous potentials. <i>Journal of Chemical Physics</i> , 2001, 114, 6276-6285.	1.2	30
140	Decoupling of tracer diffusion from viscosity in a supercooled liquid near the glass transition. <i>Journal of Chemical Physics</i> , 1997, 107, 5852-5862.	1.2	29
141	Molecular Origin of the Debye-Hückel-Onsager Limiting Law of Ion Conductance and Its Extension to High Concentrations: A Mode Coupling Theory Approach to Electrolyte Friction. <i>Journal of the American Chemical Society</i> , 1999, 121, 4082-4083.	6.6	29
142	String-like propagation of the 5-coordinated defect state in supercooled water: molecular origin of dynamic and thermodynamic anomalies. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16220.	1.3	29
143	Water Layer at Hydrophobic Surface: Electrically Dead but Dynamically Alive?. <i>Nano Letters</i> , 2020, 20, 8959-8964.	4.5	29
144	Effect of Orientational Motion of Mobile Chromophores on the Dynamics of Förster Energy Transfer in Polymers. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9370-9374.	1.2	28

#	ARTICLE	IF	CITATIONS
145	Anomalous dielectric relaxation of water molecules at the surface of an aqueous micelle. <i>Journal of Chemical Physics</i> , 2004, 120, 1912-1920.	1.2	28
146	Intermittent Dynamics, Stochastic Resonance and Dynamical Heterogeneity in Supercooled Liquid Water. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2221-2224.	1.2	28
147	Anisotropic Local Stress and Particle Hopping in a Deeply Supercooled Liquid. <i>Physical Review Letters</i> , 2002, 89, 025504.	2.9	27
148	Rate of excitation energy transfer between fluorescent dyes and nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 190, 335-341.	2.0	27
149	Self-Organization of <i>n</i> -Alkane Chains in Water: Length Dependent Crossover from Helix and Toroid to Molten Globule. <i>Journal of Physical Chemistry B</i> , 2009, 113, 8446-8448.	1.2	27
150	Non-monotonic, distance-dependent relaxation of water in reverse micelles: Propagation of surface induced frustration along hydrogen bond networks. <i>Journal of Chemical Physics</i> , 2012, 137, 014515.	1.2	27
151	Nucleation of a Stable Solid from Melt in the Presence of Multiple Metastable Intermediate Phases: Wetting, Ostwald's Step Rule, and Vanishing Polymorphs. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13154-13163.	1.2	27
152	Stability of fluctuating and transient aggregates of amphiphilic solutes in aqueous binary mixtures: Studies of dimethylsulfoxide, ethanol, and tert-butyl alcohol. <i>Journal of Chemical Physics</i> , 2013, 139, 164301.	1.2	27
153	Diffusion on a rugged energy landscape with spatial correlations. <i>Journal of Chemical Physics</i> , 2014, 141, 124105.	1.2	27
154	Effect of excitation on non-Markovian vibrational energy relaxation. <i>The Journal of Physical Chemistry</i> , 1982, 86, 2197-2205.	2.9	26
155	Microscopic study of inertial and viscoelastic effects in dipolar solvation dynamics. <i>Journal of Chemical Physics</i> , 1993, 99, 553-562.	1.2	26
156	Solvation dynamics, energy distribution and trapping of a light solute ion. <i>Chemical Physics</i> , 1994, 183, 207-216.	0.9	26
157	Self-Consistent Microscopic Treatment of the Effects of Self-Motion of the Probe on Ionic and Dipolar Solvation Dynamics. <i>The Journal of Physical Chemistry</i> , 1996, 100, 4261-4268.	2.9	26
158	Contact pair dynamics during folding of two small proteins: Chicken villin head piece and the Alzheimer protein $\beta$ -amyloid. <i>Journal of Chemical Physics</i> , 2004, 120, 1602-1612.	1.2	26
159	Universal Power Law in the Orientational Relaxation in Thermotropic Liquid Crystals. <i>Physical Review Letters</i> , 2005, 95, 197801.	2.9	26
160	Coupled jump rotational dynamics in aqueous nitrate solutions. <i>Journal of Chemical Physics</i> , 2016, 145, 234502.	1.2	26
161	Isomerization dynamics in solution in the absence of an activation barrier: Evaluation of the potential parameters. <i>Chemical Physics Letters</i> , 1985, 115, 209-211.	1.2	25
162	Molecular Theory for the Effects of Specific Solute-Solvent Interaction on the Diffusion of a Solute Particle in a Molecular Liquid. <i>Journal of Physical Chemistry B</i> , 1998, 102, 3252-3256.	1.2	25

#	ARTICLE	IF	CITATIONS
163	Microscopic derivation of the Hubbard–Onsager–Zwanzig expression of limiting ionic conductivity. <i>Journal of Chemical Physics</i> , 1998, 109, 3989-3993.	1.2	25
164	Coupling between hydration layer dynamics and unfolding kinetics of HP-36. <i>Journal of Chemical Physics</i> , 2006, 125, 084912.	1.2	25
165	Anomalous dielectric response of nanoconfined water. <i>Journal of Chemical Physics</i> , 2021, 154, 044501.	1.2	25
166	Statistical Mechanics for Chemistry and Materials Science. , 0, , .		25
167	Dynamics of polar solvation: Route to single exponential relaxation via translational diffusion. <i>Proceedings of the Indian Academy of Sciences - Section A</i> , 1988, 100, 353-357.	0.2	25
168	Bimodality of cluster-size distribution and condensation in a finite Lennard-Jones system. <i>Physical Review B</i> , 1981, 24, 2893-2902.	1.1	24
169	Analysis of differing experimental results in barrierless reactions in solution. <i>Chemical Physics Letters</i> , 1989, 162, 227-232.	1.2	24
170	Foldability and the funnel of HP-36 protein sequence: Use of hydrophathy scale in protein folding. <i>Journal of Chemical Physics</i> , 2002, 116, 8579.	1.2	24
171	Hydration dynamics of protein molecules in aqueous solution: Unity among diversity#. <i>Journal of Chemical Sciences</i> , 2012, 124, 317-325.	0.7	24
172	Chemical Unfolding of Chicken Villin Headpiece in Aqueous Dimethyl Sulfoxide Solution: Cosolvent Concentration Dependence, Pathway, and Microscopic Mechanism. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4488-4502.	1.2	24
173	Effect of ethanol on insulin dimer dissociation. <i>Journal of Chemical Physics</i> , 2019, 150, 084902.	1.2	24
174	Thermodynamic picture of vitrification of water through complex specific heat and entropy: A journey through “œno man”™s land”. <i>Journal of Chemical Physics</i> , 2019, 150, 054502.	1.2	24
175	Intermittency, current flows, and short time diffusion in interacting finite sized one-dimensional fluids. <i>Journal of Chemical Physics</i> , 2002, 116, 5941-5950.	1.2	23
176	Subquadratic wavenumber dependence of the structural relaxation of supercooled liquid in the crossover regime. <i>Journal of Chemical Physics</i> , 2010, 132, 104503.	1.2	23
177	Layerwise decomposition of water dynamics in reverse micelles: A simulation study of two-dimensional infrared spectrum. <i>Journal of Chemical Physics</i> , 2013, 139, 144906.	1.2	23
178	Sensitivity of polarization fluctuations to the nature of protein-water interactions: Study of biological water in four different protein-water systems. <i>Journal of Chemical Physics</i> , 2014, 141, 22D531.	1.2	23
179	Diffusion in a two-dimensional periodic potential. <i>Physical Review A</i> , 1985, 31, 892-896.	1.0	22
180	A molecular explanation of the transition from viscous to hopping mechanism of mass transport in the supercooled liquid near the glass transition. <i>Journal of Chemical Physics</i> , 1994, 101, 9946-9955.	1.2	22

#	ARTICLE	IF	CITATIONS
181	Reentrant Behavior of Relaxation Time with Viscosity at Varying Composition in Binary Mixtures. <i>Physical Review Letters</i> , 2001, 86, 5926-5929.	2.9	22
182	In search of temporal power laws in the orientational relaxation near isotropic-nematic phase transition in model nematogens. <i>Journal of Chemical Physics</i> , 2004, 120, 11256-11266.	1.2	22
183	Frequency dependence of specific heat in supercooled liquid water and emergence of correlated dynamics. <i>Journal of Chemical Physics</i> , 2013, 138, 094503.	1.2	22
184	Interference effects on relaxation in three-level systems: Breakdown of the rate equation description. <i>Journal of Chemical Physics</i> , 1982, 77, 1391-1399.	1.2	21
185	Theoretical analysis of the achievement of random close packing of hard spheres and a conjecture on spinodal decomposition. <i>Physical Review B</i> , 1983, 28, 6411-6415.	1.1	21
186	Crystallization of the classical one-component plasma. <i>Physical Review B</i> , 1984, 29, 2857-2860.	1.1	21
187	A comment on the consistency of truncated nonlinear integral equation based theories of freezing. <i>Journal of Chemical Physics</i> , 1985, 83, 2376-2383.	1.2	21
188	On the stability of the infinite dimensional fluid of hard hyperspheres: A statistical mechanical estimate of the density of closest packing of simple hypercubic lattices in spaces of large dimensionality. <i>Journal of Chemical Physics</i> , 1988, 88, 1177-1184.	1.2	21
189	Bimodality in the dynamic response of a supercooled liquid. <i>Journal of Chemical Physics</i> , 1997, 106, 7262-7267.	1.2	21
190	Self-diffusion across the liquid-crystal interface. <i>Journal of Chemical Physics</i> , 1985, 82, 5677-5684.	1.2	20
191	On the generalized continuum model of dipolar solvation dynamics. <i>Journal of Molecular Structure</i> , 1989, 194, 171-181.	1.8	20
192	Ion solvation dynamics in supercritical water. <i>Chemical Physics Letters</i> , 1998, 290, 223-228.	1.2	20
193	Detection of collapsed and ordered polymer structures by fluorescence resonance energy transfer in stiff homopolymers: Bimodality in the reaction efficiency distribution. <i>Journal of Chemical Physics</i> , 2002, 116, 837-844.	1.2	20
194	Self-consistent mode-coupling theory for the viscosity of rodlike polyelectrolyte solutions. <i>Journal of Chemical Physics</i> , 2004, 121, 8120.	1.2	20
195	Anomalous glassy relaxation near the isotropic-nematic phase transition. <i>Physical Review E</i> , 2005, 71, 030701.	0.8	20
196	Untangling complex dynamics of biological water at protein-water interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8355-8357.	3.3	20
197	DNA Solvation Dynamics. <i>Journal of Physical Chemistry B</i> , 2018, 122, 11743-11761.	1.2	20
198	Freezing of the classical two-dimensional, one-component plasma. <i>Journal of Chemical Physics</i> , 1984, 81, 1406-1415.	1.2	19

#	ARTICLE	IF	CITATIONS
199	Fractional viscosity dependence of relaxation rates and non-steady-state dynamics in barrierless reactions in solution. <i>Chemical Physics Letters</i> , 1987, 138, 315-320.	1.2	19
200	An interpretation of the bifurcation of orientational relaxation processes in a supercooled liquid. <i>Journal of Chemical Physics</i> , 1990, 93, 8991-9001.	1.2	19
201	Orientational relaxation in a random dipolar lattice: Wave-number and frequency dependence. <i>Physical Review E</i> , 1996, 54, 3693-3706.	0.8	19
202	Complete breakdown of the Debye model of rotational relaxation near the isotropic-nematic phase boundary: Effects of intermolecular correlations in orientational dynamics. <i>Physical Review E</i> , 2006, 73, 031705.	0.8	19
203	Energy landscape view of phase transitions and slow dynamics in thermotropic liquid crystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 7217-7221.	3.3	19
204	Gas-liquid nucleation in a two dimensional system. <i>Journal of Chemical Physics</i> , 2008, 129, 234704.	1.2	19
205	Effects of dynamic disorder on exciton migration: Quantum diffusion, coherences, and energy transfer. <i>Journal of Chemical Physics</i> , 2016, 145, 164907.	1.2	19
206	Temperature Dependence of Static and Dynamic Heterogeneities in a Water-Ethanol Binary Mixture and a Study of Enhanced, Short-Lived Fluctuations at Low Concentrations. <i>Journal of Physical Chemistry B</i> , 2016, 120, 12568-12583.	1.2	19
207	A Redox-Active 2-D Covalent Organic Framework as a Cathode in an Aqueous Mixed-Ion Electrolyte Zn-Ion Battery: Experimental and Theoretical Investigations. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6205-6216.	3.2	19
208	A study of the freezing transition in the Lennard-Jones system. <i>Journal of Chemical Physics</i> , 1983, 79, 6222-6228.	1.2	18
209	Diffusion and viscosity in a supercooled polydisperse system. <i>Physical Review E</i> , 2003, 67, 051504.	0.8	18
210	Rotational friction on globular proteins combining dielectric and hydrodynamic effects. <i>Chemical Physics Letters</i> , 2005, 404, 409-413.	1.2	18
211	Exploration of the Secondary Structure Specific Differential Solvation Dynamics between the Native and Molten Globule States of the Protein HP-36. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20629-20634.	1.2	18
212	Photophysics of conjugated polymers: interplay between Förster energy migration and defect concentration in shaping a photochemical funnel in PPV. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7427.	1.3	18
213	Microscopic free energy functional for polarization fluctuations: Generalization of Marcus-Felderhof expression. <i>Journal of Chemical Physics</i> , 1991, 94, 2258-2261.	1.2	17
214	Barrierless Isomerization Dynamics in Viscous Liquids: Decoupling of the Reaction Rate from the Slow Frictional Forces. <i>Journal of Physical Chemistry A</i> , 1999, 103, 9061-9071.	1.1	17
215	Nonideality in Binary Mixtures: Correlations between Excess Volume, Excess Viscosity, and Diffusion Coefficients. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9581-9585.	1.2	17
216	Diffusion of small light particles in a solvent of large massive molecules. <i>Journal of Chemical Physics</i> , 2002, 117, 10730-10738.	1.2	17

#	ARTICLE	IF	CITATIONS
217	Decomposition of total solvation energy into core, side-chains and water contributions: Role of cross correlations and protein conformational fluctuations in dynamics of hydration layer. <i>Chemical Physics Letters</i> , 2017, 683, 29-37.	1.2	17
218	Anomalous water dynamics at surfaces and interfaces: synergistic effects of confinement and surface interactions. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 013001.	0.7	17
219	A Stochastic Chemical Dynamic Approach to Correlate Autoimmunity and Optimal Vitamin-D Range. <i>PLoS ONE</i> , 2014, 9, e100635.	1.1	17
220	On the non-adiabatic dynamics of solvation: A molecular hydrodynamic formulation. <i>Chemical Physics</i> , 2006, 329, 343-356.	0.9	15
221	Glassiness of Thermotropic Liquid Crystals across the Isotropic-Nematic Transition. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11646-11657.	1.2	15
222	Excitation Energy Transfer between Non-Spherical Metal Nanoparticles: Effects of Shape and Orientation on Distance Dependence of Transfer Rate. <i>Journal of Physical Chemistry C</i> , 2008, 112, 6299-6306.	1.5	15
223	A kinetic Ising model study of dynamical correlations in confined fluids: Emergence of both fast and slow time scales. <i>Journal of Chemical Physics</i> , 2010, 133, 084509.	1.2	15
224	Correlation between thermodynamic anomalies and pathways of ice nucleation in supercooled water. <i>Journal of Chemical Physics</i> , 2014, 140, 164503.	1.2	15
225	Orientalional order as the origin of the long-range hydrophobic effect. <i>Journal of Chemical Physics</i> , 2015, 142, 134505.	1.2	15
226	Environment-Assisted Quantum Coherence in Photosynthetic Complex. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5566-5572.	2.1	15
227	How different are the dynamics of nanoconfined water?. <i>Journal of Chemical Physics</i> , 2020, 152, 224707.	1.2	15
228	Altered polar character of nanoconfined liquid water. <i>Physical Review Research</i> , 2019, 1, .	1.3	15
229	Collective orientational relaxation in a dense liquid of ellipsoidal molecules. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990, 169, 246-262.	1.2	14
230	Orientalional Relaxation in a Random Dipolar Lattice: Role of Spatial Density Fluctuations in Supercooled Liquids. <i>Physical Review Letters</i> , 1996, 76, 644-647.	2.9	14
231	Time dependent diffusion coefficient and the transient dynamics of diffusion controlled bimolecular reactions in liquids: A mode coupling theory analysis. <i>Journal of Chemical Physics</i> , 1999, 110, 8643-8652.	1.2	14
232	Correlated orientational and translational motions in supercooled liquids. <i>Journal of Chemical Physics</i> , 2002, 117, 2741-2746.	1.2	14
233	Frequency dependent heat capacity within a kinetic model of glassy dynamics. <i>Journal of Chemical Physics</i> , 2005, 122, 014501.	1.2	14
234	Anomalous Orientation-Dependent Effective Pair Interaction among Histidine and Other Amino Acid Residues in Metalloproteins: A Breakdown of the Hydropathy Scale Index. <i>Biochemistry</i> , 2006, 45, 5129-5139.	1.2	14

#	ARTICLE	IF	CITATIONS
235	Suppression of the rate of growth of dynamic heterogeneities and its relation to the local structure in a supercooled polydisperse liquid. <i>Physical Review E</i> , 2008, 78, 051501.	0.8	14
236	Dynamical Transition of Water in the Grooves of DNA Duplex at Low Temperature. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4394-4399.	1.2	14
237	Solid-liquid transition in polydisperse Lennard-Jones systems. <i>Physical Review E</i> , 2013, 88, 022104.	0.8	14
238	Non-equilibrium solvation dynamics in water-DMSO binary mixture: Composition dependence of non-linear relaxation. <i>Journal of Chemical Physics</i> , 2018, 149, 084501.	1.2	14
239	Rate of Insulin Dimer Dissociation: Interplay between Memory Effects and Higher Dimensionality. <i>Journal of Physical Chemistry B</i> , 2021, 125, 9678-9691.	1.2	14
240	Tug-of-War between Internal and External Frictions and Viscosity Dependence of Rate in Biological Reactions. <i>Physical Review Letters</i> , 2022, 128, 108101.	2.9	14
241	A conjecture concerning transformation of a supercooled hard sphere liquid to a metastable disordered solid. <i>Journal of Chemical Physics</i> , 1985, 82, 3350-3359.	1.2	13
242	Effects of non-equilibrium solvation dynamics on barrierless electronic relaxation in solution. <i>Chemical Physics Letters</i> , 1987, 135, 553-557.	1.2	13
243	Freezing of a colloidal liquid subject to shear flow. <i>Physical Review A</i> , 1988, 37, 2530-2538.	1.0	13
244	Force constants of solvent polarization fluctuations: Softening at intermediate wave vectors. <i>Journal of Chemical Physics</i> , 1989, 91, 7181-7186.	1.2	13
245	Solvation dynamics in a Brownian dipolar lattice. Comparison between computer simulation and various molecular theories of solvation dynamics. <i>Journal of Chemical Physics</i> , 1993, 98, 8987-8993.	1.2	13
246	Computer simulation study of the subquadratic quantum number dependence of vibrational overtone dephasing: Comparison with the mode-coupling theory predictions. <i>Journal of Chemical Physics</i> , 1999, 110, 539-550.	1.2	13
247	Interplay between multiple length and time scales in complex chemical systems. <i>Journal of Chemical Sciences</i> , 2010, 122, 459-470.	0.7	13
248	Inherent structures of phase-separating binary mixtures: Nucleation, spinodal decomposition, and pattern formation. <i>Physical Review E</i> , 2011, 83, 031506.	0.8	13
249	Multidimensional free energy surface of unfolding of HP-36: Microscopic origin of ruggedness. <i>Journal of Chemical Physics</i> , 2014, 141, 135101.	1.2	13
250	Anomalous power law decay in solvation dynamics of DNA: a mode coupling theory analysis of ion contribution. <i>Molecular Physics</i> , 2014, 112, 1418-1426.	0.8	13
251	Entropic Origin of the Attenuated Width of the Ice-Water Interface. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7334-7340.	1.5	13
252	Relationship between energy gap time correlation and fluorescence stokes shift correlation functions in solvation dynamics. <i>Chemical Physics Letters</i> , 1990, 165, 93-99.	1.2	12

#	ARTICLE	IF	CITATIONS
253	Adiabatic and nonadiabatic outersphere electron transfer reactions in methanol: Effects of the ultrafast solvent polarization modes. <i>Journal of Chemical Physics</i> , 1995, 102, 6719-6726.	1.2	12
254	Anisotropic and sub-diffusive water motion at the surface of DNA and of an anionic micelle CsPFO. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S4317-S4331.	0.7	12
255	Composition dependent non-ideality in aqueous binary mixtures as a signature of avoided spinodal decomposition. <i>Journal of Chemical Sciences</i> , 2015, 127, 49-59.	0.7	12
256	Breakdown of universal Lindemann criterion in the melting of Lennard-Jones polydisperse solids. <i>Journal of Chemical Sciences</i> , 2017, 129, 833-840.	0.7	12
257	Theory of non-Markovian exciton transport in a one dimensional lattice. <i>Journal of Chemical Physics</i> , 1983, 79, 6211-6221.	1.2	11
258	Relation between orientational correlation time and the self-diffusion coefficient of tagged probes in viscous liquids: A density functional theory analysis. <i>Journal of Chemical Physics</i> , 2001, 115, 2207-2211.	1.2	11
259	Local composition fluctuations in strongly nonideal binary mixtures. <i>Journal of Chemical Physics</i> , 2002, 117, 1155-1165.	1.2	11
260	Anomalous viscoelasticity near the isotropic-nematic phase transition in liquid crystals. <i>Journal of Chemical Physics</i> , 2004, 121, 6978-6985.	1.2	11
261	Nonmonotonic temperature dependence of heat capacity through the glass transition within a kinetic model. <i>Journal of Chemical Physics</i> , 2004, 120, 11678-11685.	1.2	11
262	Interaction induced shifts in O-H stretching frequency of water in halide-ion water clusters: A microscopic approach with a bond descriptor. <i>Journal of Chemical Physics</i> , 2006, 125, 214304.	1.2	11
263	Comparative study of temperature dependent orientational relaxation in a model thermotropic liquid crystal and in a model supercooled liquid. <i>Journal of Chemical Physics</i> , 2007, 126, 204906.	1.2	11
264	On the origin of the anomalous ultraslow solvation dynamics in heterogeneous environments. <i>Journal of Chemical Sciences</i> , 2007, 119, 113-121.	0.7	11
265	Anomalous dimensionality dependence of diffusion in a rugged energy landscape: How pathological is one dimension?. <i>Journal of Chemical Physics</i> , 2016, 144, 194106.	1.2	11
266	Study of distance dependence of hydrophobic force between two graphene-like walls and a signature of pressure induced structure formation in the confined water. <i>Journal of Chemical Physics</i> , 2018, 149, 044502.	1.2	11
267	Mathematical modeling and cellular automata simulation of infectious disease dynamics: Applications to the understanding of herd immunity. <i>Journal of Chemical Physics</i> , 2020, 153, 114119.	1.2	11
268	Structural Stability of Insulin Oligomers and Protein Association-Dissociation Processes: Free Energy Landscape and Universal Role of Water. <i>Journal of Physical Chemistry B</i> , 2021, 125, 11793-11811.	1.2	11
269	Fractional power dependence of rate on activation energy for reactions with very low internal barriers. <i>Chemical Physics Letters</i> , 1988, 149, 411-416.	1.2	10
270	Rank Dependence of Orientational Relaxation in Dipolar Systems. <i>The Journal of Physical Chemistry</i> , 1994, 98, 2729-2731.	2.9	10



#	ARTICLE	IF	CITATIONS
271	Anisotropic diffusion of tagged spheres near the isotropic-nematic phase transition. <i>Journal of Chemical Physics</i> , 2001, 115, 10022-10028.	1.2	10
272	Study of Pair Contact Formation among Hydrophobic Residues in a Model HP-36 Protein: A Relationship between Contact Order Parameter and Rate of Folding and Collapse. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11768-11773.	1.2	10
273	Vibrational Phase Relaxation along the Critical Isochore of Nitrogen: The Role of Local Density Fluctuations in the Rate Enhancement. <i>Physical Review Letters</i> , 2003, 90, 075701.	2.9	10
274	Power law relaxation and glassy dynamics in Lebwohl-Lasher model near the isotropic-nematic phase transition. <i>Physical Review E</i> , 2006, 73, 061706.	0.8	10
275	Polymorph selection during crystallization of a model colloidal fluid with a free energy landscape containing a metastable solid. <i>Physical Review E</i> , 2018, 98, .	0.8	10
276	Destabilization of Insulin Hexamer in Water-Ethanol Binary Mixture. <i>Journal of Physical Chemistry B</i> , 2019, 123, 10365-10375.	1.2	10
277	Understanding enhanced mechanical stability of DNA in the presence of intercalated anticancer drug: Implications for DNA associated processes. <i>Journal of Chemical Physics</i> , 2019, 151, 164902.	1.2	10
278	Microscopic origin of breakdown of Stokes-Einstein relation in binary mixtures: Inherent structure analysis. <i>Journal of Chemical Physics</i> , 2020, 152, 164507.	1.2	10
279	Agreement between the gelation and molecular dynamics models of the hydrogen-bond network in water. <i>Chemical Physics Letters</i> , 1983, 94, 253-258.	1.2	9
280	Theory of freezing in simple systems. <i>Physical Review A</i> , 1985, 31, 1647-1657.	1.0	9
281	Study of the dynamics of protein folding through minimalistic models. <i>Theoretical Chemistry Accounts</i> , 2003, 109, 8-21.	0.5	9
282	Simulation and theory of vibrational phase relaxation in the critical and supercritical nitrogen: Origin of observed anomalies. <i>Journal of Chemical Physics</i> , 2003, 119, 3278-3290.	1.2	9
283	Energy landscape view of nonideality in binary mixtures. <i>Journal of Chemical Physics</i> , 2007, 126, 074501.	1.2	9
284	Glassy orientational dynamics of rodlike molecules near the isotropic-nematic transition. <i>Physical Review E</i> , 2007, 76, 011712.	0.8	9
285	Line tension of a two dimensional gas-liquid interface. <i>Journal of Chemical Physics</i> , 2009, 131, 084705.	1.2	9
286	Anisotropy induced crossover from weakly to strongly first order melting of two dimensional solids. <i>Journal of Chemical Physics</i> , 2013, 138, 184507.	1.2	9
287	Mode coupling theory analysis of electrolyte solutions: Time dependent diffusion, intermediate scattering function, and ion solvation dynamics. <i>Journal of Chemical Physics</i> , 2015, 142, 124502.	1.2	9
288	Role of quantum coherence in shaping the line shape of an exciton interacting with a spatially and temporally correlated bath. <i>Journal of Chemical Physics</i> , 2017, 146, 194902.	1.2	9

#	ARTICLE	IF	CITATIONS
289	Collective excitations in liquid dimethyl sulfoxide (DMSO): FIR spectrum, low frequency vibrational density of states, and ultrafast dipolar solvation dynamics. <i>Journal of Chemical Physics</i> , 2017, 146, 024505.	1.2	9
290	Unfolding Dynamics of Ubiquitin from Constant Force MD Simulation: Entropy–Enthalpy Interplay Shapes the Free-Energy Landscape. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1228-1236.	1.2	9
291	Quantum Coherence and Its Signatures in Extended Quantum Systems. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4551-4563.	1.2	9
292	Study of entropy–diffusion relation in deterministic Hamiltonian systems through microscopic analysis. <i>Journal of Chemical Physics</i> , 2020, 153, 184701.	1.2	9
293	Molecular Dynamics Simulations of Orientational Relaxation in Dipolar Lattice: Lack of Diffusive Decay for Second and Higher Rank Correlation Functions. <i>The Journal of Physical Chemistry</i> , 1994, 98, 11242-11245.	2.9	8
294	Effects of solvent polarization relaxation on nonadiabatic outersphere electron transfer reactions in ultrafast dipolar solvents. <i>Journal of Chemical Physics</i> , 1995, 102, 7937-7944.	1.2	8
295	Self-consistent molecular theory of orientational relaxation and dielectric friction in a dense dipolar liquid. <i>Journal of Molecular Liquids</i> , 1998, 77, 177-189.	2.3	8
296	Distribution of reaction times in diffusion controlled reactions in polymers. <i>Chemical Physics Letters</i> , 2000, 328, 420-424.	1.2	8
297	The Enskog theory for classical vibrational energy relaxation in fluids with continuous potentials. <i>Journal of Chemical Physics</i> , 2001, 115, 4195-4198.	1.2	8
298	Waiting time distribution and nonexponential relaxation in single molecule spectroscopic studies: Realization of entropic bottleneck in a simple model. <i>Journal of Chemical Physics</i> , 2003, 118, 7965-7972.	1.2	8
299	Chakrabarty, Santra, and Bagchi Reply. <i>Physical Review Letters</i> , 2008, 101, .	2.9	8
300	Catalysis of tRNA Aminoacylation: Single Turnover to Steady-State Kinetics of tRNA Synthetases. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11809-11817.	1.2	8
301	A mode-coupling theory analysis of the observed diffusion anomaly in aqueous polyatomic ions. <i>Journal of Chemical Physics</i> , 2017, 147, 124502.	1.2	8
302	Collective excitations and ultrafast dipolar solvation dynamics in water-ethanol binary mixture. <i>Journal of Chemical Physics</i> , 2018, 148, 114506.	1.2	8
303	Effects of metastable phases on surface tension, nucleation, and the disappearance of polymorphs. <i>Journal of Chemical Physics</i> , 2018, 149, 214704.	1.2	8
304	Dynamics of linear molecules in water: Translation-rotation coupling in jump motion driven diffusion. <i>Journal of Chemical Physics</i> , 2019, 151, 034301.	1.2	8
305	Anomalous viscoelastic response of water-dimethyl sulfoxide solution and a molecular explanation of non-monotonic composition dependence of viscosity. <i>Journal of Chemical Physics</i> , 2019, 151, 194505.	1.2	8
306	Role of local order in anomalous ion diffusion: Interrogation through tetrahedral entropy of aqueous solvation shells. <i>Journal of Chemical Physics</i> , 2020, 153, 154505.	1.2	8

#	ARTICLE	IF	CITATIONS
307	Fluctuation theory of immune response: A statistical mechanical approach to understand pathogen induced T-cell population dynamics. <i>Journal of Chemical Physics</i> , 2020, 153, 045107.	1.2	8
308	Dynamics of freezing and liquid instability. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1987, 121, 29-33.	0.9	7
309	Relaxation in binary mixtures: Non-ideality, heterogeneity and re-entrance. <i>Journal of Chemical Sciences</i> , 2001, 113, 393-413.	0.7	7
310	Gas-liquid nucleation at large metastability: unusual features and a new formalism. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P03017.	0.9	7
311	Crossover dynamics at large metastability in gas-liquid nucleation. <i>Physical Review E</i> , 2011, 83, 031602.	0.8	7
312	Spatio-temporal correlations in aqueous systems: computational studies of static and dynamic heterogeneity by 2D-IR spectroscopy. <i>Faraday Discussions</i> , 2015, 177, 313-328.	1.6	7
313	Infrared spectroscopic study of super-critical water across the Widom line. <i>Chemical Physics Letters</i> , 2018, 702, 96-101.	1.2	7
314	Rotational dynamics of polyatomic ions in aqueous solutions: From continuum model to mode-coupling theory, aided by computer simulations. <i>Journal of Chemical Physics</i> , 2018, 148, 224504.	1.2	7
315	Debye-Waller factor of the solid from the self-diffusion coefficient at the solid-liquid interface. <i>Journal of Chemical Physics</i> , 1986, 85, 4667-4668.	1.2	6
316	Understanding the anomalous $1/t^3$ time dependence of velocity correlation function in one dimensional Lennard-Jones systems. <i>Journal of Chemical Physics</i> , 2000, 112, 7557-7563.	1.2	6
317	Anomalous orientational relaxation of solute probes in binary mixtures. <i>Journal of Chemical Physics</i> , 2001, 115, 9065-9071.	1.2	6
318	Origin of the sub-diffusive behavior and crossover from sub-diffusive to super-diffusive dynamics near a biological surface. <i>PhysChemComm</i> , 2003, 6, 28-31.	0.8	6
319	Multiple short time power laws in the orientational relaxation of nematic liquid crystals. <i>Journal of Chemical Physics</i> , 2006, 125, 184901.	1.2	6
320	Vibrational phase relaxation of O-H stretch in bulk water: Role of large amplitude angular jumps and negative cross-correlations among the forces on the O-H bond. <i>Chemical Physics</i> , 2008, 343, 76-82.	0.9	6
321	Non-linearity in dipolar solvation dynamics in water-ethanol mixture: Composition dependence of free energy landscape. <i>Journal of Chemical Physics</i> , 2019, 151, 084502.	1.2	6
322	Unfolding of Dynamical Events in the Early Stage of Insulin Dimer Dissociation. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7958-7966.	1.2	6
323	Excitation wavelength and viscosity dependence of Landau-Zener electronic transitions in condensed media. <i>Chemical Physics Letters</i> , 1986, 128, 521-527.	1.2	5
324	Dynamic structure factor across the liquid-solid interface: appearance of a delta-function elastic peak. <i>Chemical Physics Letters</i> , 1986, 125, 91-96.	1.2	5

#	ARTICLE	IF	CITATIONS
325	Computer simulation and mode-coupling theory analysis of time-dependent diffusion in two dimensional Lennard-Jones fluids. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 266, 394-399.	0.9	5
326	The extended Enskog operator for simple fluids with continuous potentials: single particle and collective properties. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 298, 101-120.	1.2	5
327	Solvation Dynamics in Biological Systems and Organized Assemblies. <i>Journal of the Chinese Chemical Society</i> , 2006, 53, 169-180.	0.8	5
328	Dynamics of a binary mixture of non-spherical molecules: Test of hydrodynamic predictions. <i>Journal of Chemical Physics</i> , 2018, 149, 124508.	1.2	5
329	Delocalization and Quantum Entanglement in Physical Systems. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2037-2043.	2.1	5
330	Ionic and dipolar solvation dynamics in liquid water. <i>Journal of Chemical Sciences</i> , 1994, 106, 1297-1306.	0.7	5
331	Microscopic expression for time-dependent solvation energy of ions and dipoles in dense polar liquids. <i>Proceedings of the Indian Academy of Sciences - Section A</i> , 1989, 101, 83-88.	0.2	5
332	Relaxation of intermediate wavevector density fluctuations in dense binary liquids. <i>Journal of Chemical Physics</i> , 1990, 93, 689-695.	1.2	4
333	Heterogeneous relaxation in supercooled liquids: A density functional theory analysis. <i>Journal of Chemical Physics</i> , 2001, 115, 5513-5520.	1.2	4
334	Anisotropic translational diffusion in the nematic phase: Dynamical signature of the coupling between orientational and translational order in the energy landscape. <i>Physical Review E</i> , 2006, 74, 041704.	0.8	4
335	Orientational relaxation in a discotic liquid crystal. <i>Physical Review E</i> , 2007, 75, 061703.	0.8	4
336	Orientational dynamics and energy landscape features of thermotropic liquid crystals: An analogy with supercooled liquids. <i>Journal of Chemical Sciences</i> , 2007, 119, 343-350.	0.7	4
337	Temperature dependent free energy surface of polymer folding from equilibrium and quench studies. <i>Journal of Chemical Physics</i> , 2010, 133, 214901.	1.2	4
338	Kinetic Proofreading at Single Molecular Level: Aminoacylation of tRNA <sup>Ala</sup> and the Role of Water as an Editor. <i>PLoS ONE</i> , 2013, 8, e66112.	1.1	4
339	Use of polydispersity index as control parameter to study melting/freezing of Lennard-Jones system: Comparison among predictions of bifurcation theory with Lindemann criterion, inherent structure analysis and Hansen-Verlet rule. <i>Journal of Chemical Sciences</i> , 2015, 127, 1715-1728.	0.7	4
340	Temperature effects on the hydrophobic force between two graphene-like surfaces in liquid water. <i>Journal of Chemical Sciences</i> , 2018, 130, 1.	0.7	4
341	Three-stage phase separation kinetics in a model liquid binary mixture: A computational study. <i>Journal of Chemical Physics</i> , 2019, 150, 144501.	1.2	4
342	Correlation lengths in nanoconfined water and transport properties. <i>Journal of Chemical Physics</i> , 2022, 156, .	1.2	4

#	ARTICLE	IF	CITATIONS
343	Bimodality and long-range order in ideal Bose systems. <i>Journal of Statistical Physics</i> , 1982, 28, 685-710.	0.5	3
344	On the kinetics of crystal growth from a supercooled melt. <i>Journal of Chemical Sciences</i> , 1986, 96, 465-472.	0.7	3
345	Non-exponential orientational relaxation in dipolar solids: The role of dipolar interactions and dielectric friction. <i>Journal of Molecular Structure</i> , 1994, 327, 247-254.	1.8	3
346	Comment on "Dynamics of solvated ion in polar liquids: An interaction-site-model description". <i>J. Chem. Phys.</i> 108, 7339 (1998)]. <i>Journal of Chemical Physics</i> , 1999, 110, 1833-1834.	1.2	3
347	Cage Dynamics in the Third-Order Off-Resonant Response of Liquid Molecules: A Theoretical Realization. <i>Bulletin of the Chemical Society of Japan</i> , 2000, 73, 873-884.	2.0	3
348	Formation of nanoclusters under radiation pressure in solution: A Brownian dynamics simulation study. <i>Journal of Chemical Physics</i> , 2002, 116, 2556-2564.	1.2	3
349	Probing folding free energy landscape of small proteins through minimalistic models: Folding of HP-36 and I <sup>2</sup> -amyloid. <i>Journal of Chemical Sciences</i> , 2003, 115, 621-636.	0.7	3
350	Pair dynamics in a glass-forming binary mixture: Simulations and theory. <i>Physical Review E</i> , 2003, 67, 041501.	0.8	3
351	Polarization Caging in Diffusion-Controlled Electron Transfer Reactions in Solution. <i>Journal of Physical Chemistry B</i> , 2010, 114, 12284-12292.	1.2	3
352	Vibrational dynamics and boson peak in a supercooled polydisperse liquid. <i>Physical Review E</i> , 2010, 81, 031506.	0.8	3
353	Sensitivity of nucleation phenomena on range of interaction potential. <i>Journal of Chemical Physics</i> , 2012, 136, 084701.	1.2	3
354	Biological water. , 0, , 81-96.		3
355	An exact solution in the theory of fluorescence resonance energy transfer with vibrational relaxation. <i>Journal of Chemical Physics</i> , 2021, 154, 134104.	1.2	3
356	Theoretical analyses of pressure induced glass transition in water: Signatures of surprising diffusion-entropy scaling across the transition. <i>Molecular Physics</i> , 0, , e1930222.	0.8	3
357	Rigid Cations Induce Enhancement of Microheterogeneity and Exhibit Anomalous Ion Diffusion in Water-Ethanol Mixtures. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12274-12291.	1.2	3
358	Dielectric friction and solvation dynamics: Novel results on relaxation in dipolar liquids. <i>Journal of Chemical Sciences</i> , 1993, 105, 79-85.	0.7	3
359	Anomalous solubility of organic solutes in supercritical water: A molecular explanation. <i>Journal of Chemical Sciences</i> , 1999, 111, 387-394.	0.7	3
360	Spatial bose condensation: Universal features in size distribution of clusters. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1982, 91, 77-79.	0.9	2

#	ARTICLE	IF	CITATIONS
361	Photochemical funnel in stiff conjugated polymers: interplay between defect mediated polymer conformations, side chain interactions and resonance energy transfer. Annual Reports on the Progress of Chemistry Section C, 2013, 109, 36.	4.4	2
362	Solid-solid collapse transition in a two dimensional model molecular system. Journal of Chemical Physics, 2013, 139, 194702.	1.2	2
363	The amphiphilic effect: the diverse but intimate world of aqueous binary mixtures. , 2013, , 243-260.		2
364	Water in and around micelles, reverse micelles, and microemulsions. , 2013, , 261-276.		2
365	Hydration of proteins. , 2013, , 117-134.		2
366	Facilitation of Nucleation of Polymorphic Solids due to the Presence of Multiple Metastable Phases: Effects of Nonclassical Surface Tension. Journal of Physical Chemistry C, 2019, 123, 21207-21212.	1.5	2
367	Comment on "Investigation of dielectric constants of water in a nano-confined pore" by H. Zhu, F. Yang, Y. Zhu, A. Li, W. He, J. Huang and G. Li, <i>RSC Adv.</i>, 2020, <b>10</b>, 8628. RSC Advances, 2021, 11, 5179-5181.	1.7	2
368	Stochastic formulation of multiwave pandemic: decomposition of growth into inherent susceptibility and external infectivity distributions. Journal of Chemical Sciences, 2021, 133, 118.	0.7	2
369	Molecular theory of ion solvation dynamics in water, acetonitrile and methanol: A unified microscopic description of collective dynamics in dipolar liquids. Journal of Chemical Sciences, 1993, 105, 295-301.	0.7	2
370	Solvation dynamics of a charge bubble in water. Journal of Chemical Sciences, 1997, 109, 347-352.	0.7	2
371	Non-Markovian rate theory on a multidimensional reaction surface: Complex interplay between enhanced configuration space and memory. Journal of Chemical Physics, 2022, 156, 134101.	1.2	2
372	On the breakdown of the most probable distribution for Mayer clusters. Chemical Physics Letters, 1987, 134, 121-125.	1.2	1
373	Solvation Dynamics of a Quadrupolar Solute in Dipolar Liquids. Journal of the Physical Society of Japan, 1999, 68, 303-306.	0.7	1
374	Energy transfer efficiency distributions in polymers in solution during folding and unfolding. PhysChemComm, 2002, 5, 59.	0.8	1
375	Nonmonotonic composition dependence of vibrational phase relaxation rate in binary mixtures. Journal of Chemical Physics, 2005, 122, 144507.	1.2	1
376	Dynamics of water: molecular motions and hydrogen-bond-breaking kinetics. , 2013, , 27-60.		1
377	An essential chemical for life processes: water in biological functions. , 0, , 97-116.		1
378	Water in and around DNA and RNA. , 0, , 151-166.		1

#	ARTICLE	IF	CITATIONS
379	The hydrophobic effect. , 0, , 215-242.		1
380	Onsager's Reciprocal Relations. Resonance, 2018, 23, 1073-1075.	0.2	1
381	Ion pair correlations due to interference between solvent polarizations induced in water. Journal of Chemical Physics, 2020, 152, 064501.	1.2	1
382	Rotation of small diatomics in water-ethanol mixture: Multiple breakdowns of hydrodynamic predictions. Journal of Chemical Physics, 2020, 153, 014504.	1.2	1
383	Excitation Energy Transfer Efficiency in Fluctuating Environments: Role of Quantum Coherence in the Presence of Memory Effects. Journal of Physical Chemistry A, 2021, 125, 4695-4704.	1.1	1
384	Sol-gel transition with rings in a finite polycondensing system in solution. Chemical Physics Letters, 1985, 113, 597-602.	1.2	0
385	Ultrafast solvation from Kerr relaxation and far-infrared spectroscopy in underdamped dipolar liquids. AIP Conference Proceedings, 1994, , .	0.3	0
386	Non-exponentiality in electron transfer kinetics: Static versus dynamic disorder models. Journal of Chemical Sciences, 1997, 109, 379-388.	0.7	0
387	Density and energy relaxation in an open one-dimensional system. Journal of Chemical Physics, 2004, 120, 8327-8333.	1.2	0
388	Water Dynamics in the Hydration Layer Around Proteins and Micelles. ChemInform, 2005, 36, no.	0.1	0
389	Förster Energy Transfer in Thin Films of Conjugated Polymers and in Solution. Journal of the Chinese Chemical Society, 2006, 53, 153-160.	0.8	0
390	Water in a carbon nanotube: nature abhors a vacuum. , 0, , 277-284.		0
391	Protein-DNA interaction: the role of water as a facilitator. , 0, , 167-176.		0
392	Approaches to understand water anomalies. , 0, , 323-344.		0
393	Understanding the protein hydration layer: lessons from computer simulations. , 0, , 135-150.		0
394	Local and Global Dynamics: general discussion. Faraday Discussions, 2015, 177, 381-403.	1.6	0
395	Ultrafast Chemical Dynamics in Time Domain Through Fluorescence Spectroscopy. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2015, 85, 483-488.	0.8	0
396	Lars Onsager (1903-1976). Resonance, 2018, 23, 1061-1071.	0.2	0

#	ARTICLE	IF	CITATIONS
397	Simulation Study of the Molecular Mechanism of Intercalation of the Anti-Cancer Drug Daunomycin into DNA. Springer Series in Chemical Physics, 2009, , 165-180.	0.2	0
398	Dynamics of Barrierless Chemical Reactions in Solution. , 1991, , 121-134.		0
399	10.1063/1.4973641.1. , 2017, , .		0
400	10.1063/1.4981257.1. , 2017, , .		0
401	Inhomogeneous phase separation kinetics in liquid binary mixtures: Sensitivity to initial local composition €. Journal of the Indian Chemical Society, 2022, 99, 100346.	1.3	0