

Eugene Mamontov

List of Publications by Year in descending order

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254
papers

8,002
citations

57631

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all docs

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docs citations

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times ranked

8358
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond Simple Dilution: Superior Conductivities from Cosolvation of Acetonitrile/LiTFSI Concentrated Solution with Acetone. <i>Journal of Physical Chemistry C</i> , 2022, 126, 2788-2796.	1.5	6
2	Experimental mapping of short-wavelength phonons in proteins. <i>Innovation(China)</i> , 2022, 3, 100199.	5.2	1
3	Water dynamics in pristine and porous TiC_2MXene as probed by quasielastic neutron scattering. <i>Physical Review Materials</i> , 2022, 6, ...	0.9	1
4	Direct Correlation of the Salt-Reduced Diffusivities of Organic Solvents with the Solvent's Mole Fraction. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2845-2850.	2.1	2
5	A concept of a broadband inverted geometry spectrometer for the Second Target Station at the Spallation Neutron Source. <i>Review of Scientific Instruments</i> , 2022, 93, 045101.	0.6	10
6	Water Dynamics in Cancer Cells: Lessons from Quasielastic Neutron Scattering. <i>Medicina (Lithuania)</i> , 2022, 58, 654.	0.8	4
7	Study of the water dynamics near hydrophilic, nanostructured CuO surfaces by quasielastic and inelastic neutron scattering. <i>AIP Advances</i> , 2022, 12, 065124.	0.6	0
8	Multiscale lipid membrane dynamics as revealed by neutron spectroscopy. <i>Progress in Lipid Research</i> , 2022, 87, 101179.	5.3	13
9	Direct determination of the zero-field splitting for the Fe^{2+} ion in a synthetic polymorph of Fe^{2+}		

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19	Implementation and assessment of resolution-dependent elastic incoherent neutron scattering measurements at a backscattering spectrometer for probing relaxations in complex systems. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 949, 162534.	0.7	2
20	Interlayer separation in hydrogen titanates enables electrochemical proton intercalation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 412-421.	5.2	28
21	Dynamics of a room temperature ionic liquid under applied pressure. <i>Chemical Physics</i> , 2020, 530, 110628.	0.9	9
22	Addition of Chloroform in a Solvent-in-Salt Electrolyte: Outcomes in the Microscopic Dynamics in Bulk and Confinement. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22366-22375.	1.5	7
23	Decoupling between the translation and rotation of water in the proximity of a protein molecule. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18132-18140.	1.3	16
24	Role of Fast Dynamics in Conductivity of Polymerized Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10539-10545.	1.2	2
25	Breakdown of the Coupling between the Lipid Membrane Dynamics of Differing Hierarchical Levels. <i>Biophysical Journal</i> , 2020, 118, 84a-85a.	0.2	0
26	Effect of Hydration on the Molecular Dynamics of Hydroxychloroquine Sulfate. <i>ACS Omega</i> , 2020, 5, 21231-21240.	1.6	8
27	Structure and Dynamics of Aqueous Electrolytes Confined in 2D-TiO ₂ /Ti ₃ C ₂ T ₂ MXene Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 58378-58389.	4.0	25
28	Hydration-Induced Disorder Lowers the Energy Barriers for Methyl Rotation in Drug Molecules. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10256-10261.	2.1	7
29	Influence of Kosmotrope and Chaotrope Salts on Water Structural Relaxation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8970-8975.	2.1	19
30	Multiscale and Multimodal Characterization of 2D Titanium Carbonitride MXene. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902207.	1.9	35
31	Understanding Functionalization of Titanium Carbide (MXene) with Quinones and Their Pseudocapacitance. <i>ACS Applied Energy Materials</i> , 2020, 3, 4127-4133.	2.5	29
32	Critical Role of Anion-Solvent Interactions for Dynamics of Solvent-in-Salt Solutions. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8457-8466.	1.5	32
33	Molecular Picture of the Transient Nature of Lipid Rafts. <i>Langmuir</i> , 2020, 36, 4887-4896.	1.6	26
34	Molecular origins of bulk viscosity in liquid water. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9494-9502.	1.3	11
35	Microscopic dynamics in room-temperature ionic liquids confined in materials for supercapacitor applications. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1554-1576.	2.5	21
36	Uncoupling between the lipid membrane dynamics of differing hierarchical levels. <i>Physical Review E</i> , 2020, 101, 012416.	0.8	8

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37	Membrane softening by nonsteroidal anti-inflammatory drugs investigated by neutron spin echo. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 20211-20218.	1.3	23
38	Disentangling Polymer Network and Hydration Water Dynamics in Polyhydroxyethyl Methacrylate Physical and Chemical Hydrogels. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19183-19194.	1.5	16
39	Microscopic Dynamics in an Ionic Liquid Augmented with Organic Solvents. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19354-19361.	1.5	8
40	Confined Interlayer Water Promotes Structural Stability for High-Rate Electrochemical Proton Intercalation in Tungsten Oxide Hydrates. <i>ACS Energy Letters</i> , 2019, 4, 2805-2812.	8.8	88
41	Temperature dependence of nanoscale dynamic processes measured in living millipedes by high resolution inelastic and elastic neutron scattering. <i>Scientific Reports</i> , 2019, 9, 11646.	1.6	5
42	Non-monotonic temperature dependence of nanoscopic dynamics measured in living housefly larvae. <i>Physica B: Condensed Matter</i> , 2019, 566, 23-29.	1.3	6
43	Water dynamics in MCF-7 breast cancer cells: a neutron scattering descriptive study. <i>Scientific Reports</i> , 2019, 9, 8704.	1.6	23
44	Counteractions Control Local Specific Bonding Interactions and Nucleation Mechanisms in Concentrated Water-in-Salt Solutions. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3318-3325.	2.1	19
45	Simple analytical model for fitting QENS data from liquids. <i>Physica B: Condensed Matter</i> , 2019, 566, 50-54.	1.3	22
46	Incorporation of Melittin Enhances Interfacial Fluidity of Bicontinuous Microemulsions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11197-11206.	1.5	11
47	Influences from solvents on charge storage in titanium carbide MXenes. <i>Nature Energy</i> , 2019, 4, 241-248.	19.8	363
48	Probing Li ion dynamics in amorphous $x\text{Li}_2\text{SO}_4 \cdot (1-x)\text{LiPO}_3$ by quasielastic neutron scattering. <i>Solid State Ionics</i> , 2019, 334, 95-98.	1.3	11
49	Cation Molecular Structure Affects Mobility and Transport of Electrolytes in Porous Carbons. <i>Journal of the Electrochemical Society</i> , 2019, 166, A507-A514.	1.3	12
50	Effects of water on the stochastic motions of propane confined in MCM-41-S pores. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25035-25046.	1.3	16
51	Neutron Instruments for Research in Coordination Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1065-1089.	1.0	29
52	Side chain dynamics in semiconducting polymer MEH-PPV. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47394.	1.3	3
53	Mixed Ionic Liquid Improves Electrolyte Dynamics in Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10476-10481.	1.5	53
54	Glycerol Hydrogen-Bonding Network Dominates Structure and Collective Dynamics in a Deep Eutectic Solvent. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1261-1267.	1.2	106

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55	Impact of hydration and temperature history on the structure and dynamics of lignin. <i>Green Chemistry</i> , 2018, 20, 1602-1611.	4.6	30
56	Microscopic diffusion processes measured in living planarians. <i>Scientific Reports</i> , 2018, 8, 4190.	1.6	20
57	Ionic liquid structure, dynamics, and electrosorption in carbon electrodes with bimodal pores and heterogeneous surfaces. <i>Carbon</i> , 2018, 129, 104-118.	5.4	36
58	Structure and dynamics of water on the forsterite surface. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27822-27829.	1.3	10
59	Humidity Exposure Enhances Microscopic Mobility in a Room-Temperature Ionic Liquid in MXene. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27561-27566.	1.5	20
60	Coupled Multimodal Dynamics of Hydrogen-Containing Ion Networks in Water-Deficient, Sodium Hydroxide-Aluminate Solutions. <i>Journal of Physical Chemistry B</i> , 2018, 122, 12097-12106.	1.2	12
61	Origin of dielectric relaxor behavior in PVDF-based copolymer and terpolymer films. <i>AIP Advances</i> , 2018, 8, .	0.6	15
62	Comparative microscopic dynamics in a room-temperature ionic liquid confined in carbon pores characterized by reversible and irreversible ion immobilization. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	3
63	Methyl quantum tunneling in ionic liquid [DMIIm][TFSI] facilitated by Bis(trifluoromethane)sulfonimide lithium salt. <i>Scientific Reports</i> , 2018, 8, 10354.	1.6	5
64	Effect of magnetic fields on the methyl rotation in a paramagnetic cobalt(Co^{2+}) complex. Quasielastic neutron scattering studies. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 21119-21126.	1.3	10
65	Electrolyte cation length influences electrosorption and dynamics in porous carbon supercapacitors. <i>Electrochimica Acta</i> , 2018, 283, 882-893.	2.6	25
66	Fast Rotational Diffusion of Water Molecules in a 2D Hydrogen Bond Network at Cryogenic Temperatures. <i>Physical Review Letters</i> , 2018, 120, 196001.	2.9	10
67	Spatial-Temporal Characteristics of Confined Polymer Motion Determine Proton Conduction of Polyoxometalate-Poly(ethylene glycol) Hybrid Nanocomposites. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5772-5777.	2.1	32
68	Effect of melittin on water diffusion and membrane structure in DMPC lipid bilayers. <i>Europhysics Letters</i> , 2018, 123, 18002.	0.7	7
69	Ice Ih revisited: No proton tunneling observed in a quasielastic neutron scattering experiment. <i>Physical Review B</i> , 2018, 98, .	1.1	7
70	Ion Dynamics in Ionic-Liquid-Based Li-Ion Electrolytes Investigated by Neutron Scattering and Dielectric Spectroscopy. <i>ChemSusChem</i> , 2018, 11, 3512-3523.	3.6	22
71	Gradual Crossover from Subdiffusion to Normal Diffusion: A Many-Body Effect in Protein Surface Water. <i>Physical Review Letters</i> , 2018, 120, 248101.	2.9	56
72	Microscopic relaxations in a protein sustained down to 160 K in a non-glass forming organic solvent. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3513-3519.	1.1	8

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73	A neutron spectrometer concept implementing RENS for studies in life sciences. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3632-3637.	1.1	6
74	Incorporation of aspirin modulates the dynamical and phase behavior of the phospholipid membrane. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2514-2524.	1.3	54
75	Collective Excitations in Protein as a Measure of Balance Between its Softness and Rigidity. <i>Journal of Physical Chemistry B</i> , 2017, 121, 923-930.	1.2	3
76	Intrinsic proton dynamics in hydrous silicate melts as seen by quasielastic neutron scattering at elevated temperature and pressure. <i>Chemical Geology</i> , 2017, 461, 152-159.	1.4	5
77	Properties of immobile hydrogen confined in microporous carbon. <i>Carbon</i> , 2017, 117, 383-392.	5.4	21
78	Description of Hydration Water in Protein (GFP) Solution. <i>Biophysical Journal</i> , 2017, 112, 201a.	0.2	1
79	<i>In Vivo</i> Protein Dynamics on the Nanometer Length Scale and Nanosecond Time Scale. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1899-1904.	2.1	29
80	On the structure and dynamics of water associated with single-supported zwitterionic and anionic membranes. <i>Journal of Chemical Physics</i> , 2017, 146, 125102.	1.2	12
81	Disruption of Hydrogen-Bonding Network Eliminates Water Anomalies Normally Observed on Cooling to Its Calorimetric Glass Transition. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4168-4173.	1.2	3
82	Quasi-Elastic Neutron Scattering Study of Hydration Water in Synthetic Cement: An Improved Analysis Method Based on a New Global Model. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12826-12833.	1.5	12
83	Nanoscope dynamics of bicontinuous microemulsions: effect of membrane associated protein. <i>Soft Matter</i> , 2017, 13, 4871-4880.	1.2	22
84	Balance between Protein Softness and Rigidity Assessed by Inelastic X-ray Scattering. <i>Biophysical Journal</i> , 2017, 112, 201a.	0.2	0
85	Solvent Polarity Governs Ion Interactions and Transport in a Solvated Room-Temperature Ionic Liquid. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 167-171.	2.1	45
86	Multimodality of Structural, Electrical, and Gravimetric Responses of Intercalated MXenes to Water. <i>ACS Nano</i> , 2017, 11, 11118-11126.	7.3	183
87	Dynamics of water bound to crystalline cellulose. <i>Scientific Reports</i> , 2017, 7, 11840.	1.6	82
88	Dynamical Transition of Collective Motions in Dry Proteins. <i>Physical Review Letters</i> , 2017, 119, 048101.	2.9	27
89	Ferroelectric to paraelectric phase transition mechanism in poled PVDF-TrFE copolymer films. <i>Physical Review B</i> , 2017, 96, .	1.1	14
90	Microscopic diffusion in hydrated encysted eggs of brine shrimp. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2382-2390.	1.1	8

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91	Hydration level dependence of the microscopic dynamics of water adsorbed in ultramicroporous carbon. Carbon, 2017, 111, 705-712.	5.4	16
92	Description of Hydration Water in Protein (Green Fluorescent Protein) Solution. Journal of the American Chemical Society, 2017, 139, 1098-1105.	6.6	68
93	Protein dynamics as seen by (quasi) elastic neutron scattering. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3504-3512.	1.1	13
94	Hydrogen mobility in the lightest reversible metal hydride, LiBeH ₃ . Scientific Reports, 2017, 7, 16244.	1.6	8
95	Evidence of molecular hydrogen trapped in two-dimensional layered titanium carbide-based MXene. Physical Review Materials, 2017, 1, .	0.9	21
96	Influence of humidity on performance and microscopic dynamics of an ionic liquid in supercapacitor. Physical Review Materials, 2017, 1, .	0.9	15
97	Interplay between local dynamics and mechanical reinforcement in glassy polymer nanocomposites. Physical Review Materials, 2017, 1, .	0.9	29
98	Influence of metal ions intercalation on the vibrational dynamics of water confined between MXene layers. Physical Review Materials, 2017, 1, .	0.9	45
99	Quasielastic neutron scattering with <i>in situ</i> humidity control: Water dynamics in uranyl fluoride. Journal of Applied Physics, 2016, 119, .	1.1	8
100	Neutron Scattering Studies of the Interplay of Amyloid β Peptide (1-40) and An Anionic Lipid 1,2-dimyristoyl-sn-glycero-3-phosphoglycerol. Scientific Reports, 2016, 6, 30983.	1.6	27
101	Relationship between pore size and reversible and irreversible immobilization of ionic liquid electrolytes in porous carbon under applied electric potential. Applied Physics Letters, 2016, 109, .	1.5	23
102	Water dynamics in rigid ionomer networks. Journal of Chemical Physics, 2016, 145, 224901.	1.2	16
103	Characteristic length scales of the secondary relaxations in glass-forming glycerol. European Physical Journal E, 2016, 39, 40.	0.7	5
104	Antimicrobial Peptide Impacts the Lateral Diffusion and Bending Rigidity of Phospholipid Membrane. Biophysical Journal, 2016, 110, 246a.	0.2	2
105	Influence of Surface Oxidation on Ion Dynamics and Capacitance in Porous and Nonporous Carbon Electrodes. Journal of Physical Chemistry C, 2016, 120, 8730-8741.	1.5	40
106	Fast oxygen diffusion in bismuth oxide probed by quasielastic neutron scattering. Solid State Ionics, 2016, 296, 158-162.	1.3	13
107	Precise determination of water exchanges on a mineral surface. Physical Chemistry Chemical Physics, 2016, 18, 28819-28828.	1.3	20
108	Nanoconfinement Inside Molecular Metal Oxide Clusters: Dynamics and Modified Encapsulation Behavior. Chemistry - A European Journal, 2016, 22, 14073-14073.	1.7	3

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109	A novel approach to neutron scattering instrumentation for probing multiscale dynamics in soft and biological matter. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 345201.	0.7	1
110	Quasi-elastic Neutron Scattering Reveals Ligand-Induced Protein Dynamics of a G-Protein-Coupled Receptor. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4130-4136.	2.1	22
111	Quantum Tunneling of Water in Beryl: A New State of the Water Molecule. <i>Physical Review Letters</i> , 2016, 116, 167802.	2.9	92
112	Enhanced Dynamics of Hydrated tRNA on Nanodiamond Surfaces: A Combined Neutron Scattering and MD Simulation Study. <i>Journal of Physical Chemistry B</i> , 2016, 120, 10059-10068.	1.2	14
113	Nanoconfinement Inside Molecular Metal Oxide Clusters: Dynamics and Modified Encapsulation Behavior. <i>Chemistry - A European Journal</i> , 2016, 22, 14131-14136.	1.7	6
114	Characteristic features of water dynamics in restricted geometries investigated with quasi-elastic neutron scattering. <i>Chemical Physics</i> , 2016, 465-466, 1-8.	0.9	49
115	Dynamical and Phase Behavior of a Phospholipid Membrane Altered by an Antimicrobial Peptide at Low Concentration. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2394-2401.	2.1	56
116	Protein-Style Dynamical Transition in a Non-Biological Polymer and a Non-Aqueous Solvent. <i>Journal of Physical Chemistry B</i> , 2016, 120, 3232-3239.	1.2	9
117	Effect of Metal Ion Intercalation on the Structure of MXene and Water Dynamics on its Internal Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8859-8863.	4.0	225
118	X-ray and Neutron Scattering Study of the Formation of Core-Shell-Type Polyoxometalates. <i>Journal of the American Chemical Society</i> , 2016, 138, 2638-2643.	6.6	49
119	Dynamical behaviors of structural, constrained and free water in calcium- and magnesium-silicate-hydrate gels. <i>Journal of Colloid and Interface Science</i> , 2016, 469, 157-163.	5.0	15
120	Effect of α -Tocopherol on the Microscopic Dynamics of Dimyristoylphosphatidylcholine Membrane. <i>Journal of Physical Chemistry B</i> , 2016, 120, 154-163.	1.2	40
121	Time-dependent water dynamics in hydrated uranyl fluoride. <i>Molecular Physics</i> , 2016, 114, 61-71.	0.8	5
122	Rhodopsin Photoactivation Dynamics Revealed by Quasi-Elastic Neutron Scattering. <i>Biophysical Journal</i> , 2015, 108, 61a.	0.2	2
123	Microscopic insight into the origin of enhanced glass-forming ability of metallic melts on micro-alloying. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	5
124	New opportunities for quasielastic and inelastic neutron scattering at steady-state sources using mechanical selection of the incident and final neutron energy. <i>Journal of Neutron Research</i> , 2015, 18, 21-28.	0.4	4
125	Dynamics of Propane in Nanoporous Silica Aerogel: A Quasielastic Neutron Scattering Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18188-18195.	1.5	29
126	Nanometer-sized dynamic entities in an aqueous system. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 4466-4471.	1.3	5

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127	Capacitance, charge dynamics, and electrolyte-surface interactions in functionalized carbide-derived carbon electrodes. <i>Progress in Natural Science: Materials International</i> , 2015, 25, 631-641.	1.8	29
128	Structural Phase Transitions and Water Dynamics in Uranyl Fluoride Hydrates. <i>Journal of Physical Chemistry A</i> , 2015, 119, 11900-11910.	1.1	9
129	Translational diffusion of water inside hydrophobic carbon micropores studied by neutron spectroscopy and molecular dynamics simulation. <i>Physical Review E</i> , 2015, 91, 022124.	0.8	16
130	Excess wing in glass-forming glycerol and LiCl-glycerol mixtures detected by neutron scattering. <i>European Physical Journal E</i> , 2015, 38, 1.	0.7	61
131	Effect of antimicrobial peptide on the dynamics of phosphocholine membrane: role of cholesterol and physical state of bilayer. <i>Soft Matter</i> , 2015, 11, 6755-6767.	1.2	62
132	Monitoring the dynamics of miscible P3HT:PCBM blends: A quasi elastic neutron scattering study of organic photovoltaic active layers. <i>Polymer</i> , 2015, 61, 155-162.	1.8	19
133	Differential Microscopic Mobility of Components within a Deep Eutectic Solvent. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2924-2928.	2.1	74
134	Nanoscope Dynamics of Phospholipid in Unilamellar Vesicles: Effect of Gel to Fluid Phase Transition. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4460-4470.	1.2	58
135	Effect of temperature and pressure on the dynamics of nanoconfined propane. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	1
136	Reentrant condensation of lysozyme: Implications for studying dynamics of lysozyme in aqueous solutions of lithium chloride. <i>Biopolymers</i> , 2014, 101, 624-629.	1.2	3
137	High-pressure dynamics of hydrated protein in bioprotective trehalose environment. <i>Physical Review E</i> , 2014, 90, 042725.	0.8	3
138	Hydration-dependent dynamic crossover phenomenon in protein hydration water. <i>Physical Review E</i> , 2014, 90, 042705.	0.8	12
139	Strong Anisotropic Dynamics of Ultra-Confined Water. <i>Journal of Physical Chemistry B</i> , 2014, 118, 13414-13419.	1.2	28
140	On the freezing behavior and diffusion of water in proximity to single-supported zwitterionic and anionic bilayer lipid membranes. <i>Europhysics Letters</i> , 2014, 107, 28008.	0.7	7
141	Hydration Control of the Mechanical and Dynamical Properties of Cellulose. <i>Biomacromolecules</i> , 2014, 15, 4152-4159.	2.6	44
142	Incoherent Quasielastic Neutron Scattering Study of the Relaxation Dynamics in Molybdenum-Oxide Keplerate-Type Nanocages. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13300-13312.	1.5	6
143	Dynamics of lysozyme and its hydration water under an electric field. <i>Journal of Biological Physics</i> , 2014, 40, 167-178.	0.7	9
144	Direct Measurement of Hydrogen Dislocation Pipe Diffusion in Deformed Polycrystalline Pd Using Quasielastic Neutron Scattering. <i>Physical Review Letters</i> , 2014, 113, 025504.	2.9	26

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145	Effect of cation on diffusion coefficient of ionic liquids at onion-like carbon electrodes. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 284104.	0.7	40
146	Investigation of Phonon-Like Excitations in Hydrated Protein Powders by Neutron Scattering. <i>Biophysical Journal</i> , 2014, 106, 236a.	0.2	1
147	Li diffusive behavior of garnet-type oxides studied by muon-spin relaxation and QENS. <i>Solid State Ionics</i> , 2014, 262, 585-588.	1.3	27
148	Dynamics and Rigidity in an Intrinsically Disordered Protein, \hat{I}^2 -Casein. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7317-7326.	1.2	44
149	Wide-angle mechanical velocity selection for scattered neutrons in inelastic neutron spectrometers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 759, 83-91.	0.7	7
150	Slow dynamics of water molecules in an aqueous solution of lithium chloride probed by neutron spin-echo. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 10732.	1.3	10
151	Boiling Temperature As a Scaling Parameter for the Microscopic Relaxation Dynamics in Molecular Liquids. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9501-9507.	1.2	4
152	Neutron Scattering Studies of Green Fluorescent Protein, Nanosecond-Picosecond Dynamics. <i>Biophysical Journal</i> , 2013, 104, 29a.	0.2	0
153	Temperature dependence of the internal dynamics of a protein in an aqueous solvent: Decoupling from the solvent viscosity. <i>Chemical Physics</i> , 2013, 424, 12-19.	0.9	7
154	Anisotropic dynamics of water ultraconfined in macroscopically oriented channels of single-crystal beryl: A multifrequency analysis. <i>Physical Review E</i> , 2013, 88, 052306.	0.8	28
155	Diffusive Behavior of Li Ions in Garnet $\text{Li}_{5+x}\text{La}_3\text{Zr}_x\text{Nb}_{2x}\text{O}_{12}$		
156	Charge-Dependent Dynamics of a Polyelectrolyte Dendrimer and Its Correlation with Invasive Water. <i>Journal of the American Chemical Society</i> , 2013, 135, 5111-5117.	6.6	12
157	Organization and Flexibility of Cyanobacterial Thylakoid Membranes Examined by Neutron Scattering. <i>Journal of Biological Chemistry</i> , 2013, 288, 3632-3640.	1.6	89
158	Modern approaches to studying gas adsorption in nanoporous carbons. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9341.	5.2	47
159	Hydration-dependent dynamics of deeply cooled water under strong confinement. <i>Physical Review E</i> , 2013, 87, 042312.	0.8	19
160	Influence of Ions on Water Diffusion—A Neutron Scattering Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7724-7728.	1.2	58
161	Isotope Effect on Adsorbed Quantum Phases: Diffusion of H_2 and D_2 in Nanoporous Carbon. <i>Physical Review Letters</i> , 2013, 110, 236102.	2.9	35
162	Temperature Dependence of Logarithmic-like Relaxational Dynamics of Hydrated tRNA. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 936-942.	2.1	18

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163	Dynamics of nanoconfined water under pressure. <i>Physical Review E</i> , 2013, 88, 022316.	0.8	7
164	An unusual slowdown of fast diffusion in a room temperature ionic liquid confined in mesoporous carbon. <i>Europhysics Letters</i> , 2013, 102, 16004.	0.7	40
165	Dynamics of the Fast Component of Nano-Confined Water Under Electric Field. <i>Journal of the Physical Society of Japan</i> , 2013, 82, SA007.	0.7	1
166	Freezing of the local dynamics in the relaxor ferroelectric $[Pb(Zn_{1/3}Nb_{2/3})O_3]_{0.955}[PbTiO_3]_{0.045}$. <i>Physical Review B</i> , 2012, 86, .	1.1	8
167	Quasi-elastic neutron scattering studies of the slow dynamics of supercooled and glassy aspirin. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 064112.	0.7	4
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