

Bernhard Frick

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

303
papers

7,745
citations

44
h-index

71
g-index

322
ext. papers

8,131
ext. citations

3.7
avg, IF

5.65
L-index

#	Paper	IF	Citations
303	Hydride-ion-conducting KNiF-type Ba-Li oxyhydride solid electrolyte.. <i>Nature Materials</i> , 2022 ,	27	2
302	Microscopic dynamics of highly permeable super glassy polynorbornenes revealed by quasielastic neutron scattering. <i>Journal of Membrane Science</i> , 2022 , 642, 119972	9.6	1
301	Disentangling Component Dynamics in an All-Polymer Nanocomposite Based on Single-Chain Nanoparticles by Quasielastic Neutron Scattering.. <i>Macromolecules</i> , 2022 , 55, 2320-2332	5.5	0
300	Influence of water on the microscopic dynamics of 1-butyl-3-methylimidazolium tetrafluoroborate studied by means of quasielastic neutron scattering.. <i>Journal of Chemical Physics</i> , 2022 , 156, 084505	3.9	1
299	Multimodal confined water dynamics in reverse osmosis polyamide membranes.. <i>Nature Communications</i> , 2022 , 13, 2809	17.4	2
298	Dynamics of water confined in mesopores with variable surface interaction. <i>Journal of Chemical Physics</i> , 2021 , 154, 094505	3.9	10
297	Pressure and Temperature Dependence of Local Structure and Dynamics in an Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 2719-2728	3.4	7
296	Dynamic Processes and Mechanisms Involved in Relaxations of Single-Chain Nano-Particle Melts. <i>Polymers</i> , 2021 , 13,	4.5	2
295	Structure and dynamics of highly concentrated LiTFSI/acetonitrile electrolytes. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 13819-13826	3.6	6
294	Proteinlike dynamical transition of hydrated polymer chains. <i>Physical Review Research</i> , 2021 , 3,	3.9	4
293	Density scaling of structure and dynamics of an ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 14169-14176	3.6	10
292	Dynamic Heterogeneities in Liquid Mixtures Confined in Nanopores. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 3152-3162	3.4	4
291	Complex molecular dynamics of a symmetric model discotic liquid crystal revealed by broadband dielectric, thermal and neutron spectroscopy. <i>Soft Matter</i> , 2020 , 16, 2005-2016	3.6	6
290	Oxide Ion and Proton Conductivity in Highly Oxygen-Deficient Cubic Perovskite SrSc _{0.3} Zn _{0.2} Ga _{0.5} O _{2.4} . <i>Chemistry of Materials</i> , 2020 , 32, 4347-4357	9.6	8
289	Ionic liquid dynamics in nanoporous carbon: A pore-size- and temperature-dependent neutron spectroscopy study on supercapacitor materials. <i>Physical Review Materials</i> , 2020 , 4,	3.2	8
288	Insight into Protein-Polymer Conjugate Relaxation Dynamics: The Importance of Polymer Grafting. <i>Macromolecular Bioscience</i> , 2020 , 20, e1900410	5.5	4
287	Protein-Polymer Dynamics as Affected by Polymer Coating and Interactions. <i>Langmuir</i> , 2019 , 35, 2674-2679	7	7

286	Insight into Design of Improved Oxide Ion Conductors: Dynamics and Conduction Mechanisms in the BiVO Solid Electrolyte. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9989-9997	16.4	8
285	First results with the neutron backscattering and TOF spectrometer option BATS on IN16B. <i>Physica B: Condensed Matter</i> , 2019 , 562, 6-8	2.8	9
284	Neutron spectroscopy on protein solutions employing backscattering with an increased energy range. <i>Physica B: Condensed Matter</i> , 2019 , 562, 31-35	2.8	1
283	Breakthrough in neutron backscattering spectroscopy: Energy resolution improved by one order of magnitude using the GaAs 200 reflection. <i>Review of Scientific Instruments</i> , 2019 , 90, 015119	1.7	4
282	Brownmillerite-Type SrScGaO Oxide Ion Conductor: Local Structure, Phase Transition, and Dynamics. <i>Chemistry of Materials</i> , 2019 , 31, 7395-7404	9.6	5
281	Dynamics of Hydride Ions in Metal Hydride-Reduced BaTiO ₃ Samples Investigated with Quasielastic Neutron Scattering. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 2019-2030	3.8	12
280	High-pressure cell for simultaneous dielectric and neutron spectroscopy. <i>Review of Scientific Instruments</i> , 2018 , 89, 023904	1.7	9
279	Proton jump diffusion dynamics in hydrated barium zirconates studied by high-resolution neutron backscattering spectroscopy. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7538-7546	13	16
278	Evidence of a one-dimensional thermodynamic phase diagram for simple glass-formers. <i>Nature Communications</i> , 2018 , 9, 518	17.4	21
277	Multiscale Water Dynamics in a Fuel Cell by Operando Quasi Elastic Neutron Scattering. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 1103-1108	3.8	16
276	Activation Energy of Organic Cation Rotation in CHNHPbI and CDNHPbI: Quasi-Elastic Neutron Scattering Measurements and First-Principles Analysis Including Nuclear Quantum Effects. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 3969-3977	6.4	26
275	The Scaling of the Molecular Dynamics of Liquid Crystals as Revealed by Broadband Dielectric, Specific Heat, and Neutron Spectroscopy. <i>Advances in Dielectrics</i> , 2018 , 279-306	0.6	1
274	Isochronal superposition and density scaling of the α -relaxation from pico- to millisecond. <i>Journal of Chemical Physics</i> , 2018 , 149, 214503	3.9	6
273	Hyperfine interaction and electronic spin fluctuation study on Sr _{2-x} LaxFeCoO ₆ (x = 0, 1, 2) by high-resolution backscattering neutron spectroscopy. <i>Physical Review B</i> , 2018 , 98,	3.3	3
272	A flexible high speed pulse chopper system for an inverted neutron time-of-flight option on backscattering spectrometers. <i>Scientific Reports</i> , 2018 , 8, 13580	4.9	17
271	Influence of Enantiomeric Inhibitors on the Dynamics of Acetylcholinesterase Measured by Elastic Incoherent Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 8516-8525	3.4	4
270	More room for microphase separation: An extended study on binary liquids confined in SBA-15 cylindrical pores. <i>Journal of Chemical Physics</i> , 2017 , 146, 024501	3.9	11
269	Note: One order of magnitude better signal-to-noise ratio for neutron backscattering. <i>Review of Scientific Instruments</i> , 2017 , 88, 036105	1.7	4

268	Direct Observation of Oxide Ion Dynamics in La ₂ Mo ₂ O ₉ on the Nanosecond Timescale. <i>Chemistry of Materials</i> , 2017 , 29, 3020-3028	9.6	19
267	Connection between fragility, mean-squared displacement, and shear modulus in two van der Waals bonded glass-forming liquids. <i>Physical Review B</i> , 2017 , 95,	3.3	15
266	Changes in dynamics of β -chymotrypsin due to covalent inhibitors investigated by elastic incoherent neutron scattering. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 25369-25379	3.6	4
265	Investigation of the dynamics of aqueous proline solutions using neutron scattering and molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 27739-27754	3.6	6
264	Reorientational Hydrogen Dynamics in Complex Hydrides with Enhanced Li ⁺ Conduction. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 17693-17702	3.8	10
263	On the nanosecond proton dynamics in phosphoric acid-benzimidazole and phosphoric acid-water mixtures. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 28540-28554	3.6	7
262	Dielectric Susceptibility of Liquid Water: Microscopic Insights from Coherent and Incoherent Neutron Scattering. <i>Physical Review Letters</i> , 2016 , 117, 185501	7.4	42
261	Molecular ring rotation in poly(vinylferrocene). <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 28973-28986	3.6	0
260	Microphase Separation of Binary Liquids Confined in Cylindrical Pores. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 9245-9252	3.8	22
259	Inelastic neutron spectroscopy as a tool to investigate nanoconfined polymer systems. <i>Polymer</i> , 2016 , 105, 393-406	3.9	24
258	Nanostructure and Transport Properties of Proton Conducting Self-Assembled Perfluorinated Surfactants: A Bottom-Up Approach toward PFSA Fuel Cell Membranes. <i>Macromolecules</i> , 2015 , 48, 6166-6176	5.5	46
257	From the capillary condensation to the glass transition of a confined molecular liquid: Case of toluene. <i>Journal of Non-Crystalline Solids</i> , 2015 , 407, 262-269	3.9	10
256	Nd ₂ Sn ₂ O ₇ : An all-in/all-out pyrochlore magnet with no divergence-free field and anomalously slow paramagnetic spin dynamics. <i>Physical Review B</i> , 2015 , 92,	3.3	33
255	Molecular ring rotation in solid ferrocene revisited. <i>Journal of Chemical Physics</i> , 2015 , 142, 114503	3.9	13
254	QENS investigation of proton confined motions in hydrated perfluorinated sulfonic membranes and self-assembled surfactants. <i>EPJ Web of Conferences</i> , 2015 , 83, 02002	0.3	15
253	Quasi- and inelastic neutron scattering to investigate the molecular dynamics of discotic molecules in the bulk. <i>EPJ Web of Conferences</i> , 2015 , 83, 02017	0.3	2
252	Direct observation of electronic and nuclear ground state splitting in external magnetic field by inelastic neutron scattering on oxidized ferrocene and ferrocene containing polymers. <i>EPJ Web of Conferences</i> , 2015 , 83, 02001	0.3	1
251	Molecular dynamics of pyrene based discotic liquid crystals confined in nanopores probed by incoherent quasielastic neutron scattering. <i>RSC Advances</i> , 2014 , 4, 59358-59369	3.7	15

250	Vibrational density of states of triphenylene based discotic liquid crystals: dependence on the length of the alkyl chain. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 7324-33	3.6	29
249	Thermotropic orientational order of discotic liquid crystals in nanochannels: an optical polarimetry study and a Landau-de Gennes analysis. <i>Soft Matter</i> , 2014 , 10, 4522-34	3.6	30
248	Thermal properties and vibrational density of states of a nanoconfined discotic liquid crystal. <i>Colloid and Polymer Science</i> , 2014 , 292, 1949-1960	2.4	5
247	Vibrational spectra of ferrocene, ferrocene-containing polymers and their oxidized compounds. <i>Journal of Physics: Conference Series</i> , 2014 , 554, 012008	0.3	1
246	Dynamics of nanoscale polarization fluctuations in a uniaxial relaxor. <i>Physical Review Letters</i> , 2014 , 113, 167601	7.4	11
245	Hydrogen dynamics in the low temperature phase of LiBH ₄ probed by quasielastic neutron scattering. <i>Chemical Physics</i> , 2013 , 427, 18-21	2.3	10
244	The nanosecond proton dynamics of phosphoric acid [From the solid to the melt] Investigated by neutron backscattering. <i>Solid State Ionics</i> , 2013 , 252, 26-33	3.3	11
243	Influence of the inter-chain hydrogen bonds on the thermoresponsive swelling behavior of UCST-like microgels. <i>Polymer</i> , 2013 , 54, 4963-4971	3.9	15
242	Diffusion of Xylene Isomers in the MIL-47(V) MOF Material: A Synergic Combination of Computational and Experimental Tools. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 6293-6302	3.8	42
241	Polymorphic drugs examined with neutron spectroscopy: Is making more stable forms really that simple?. <i>Chemical Physics</i> , 2013 , 427, 124-128	2.3	7
240	Structure and Dynamics of Hyperbranched Polymer/Layered Silicate Nanocomposites. <i>Macromolecules</i> , 2013 , 46, 2842-2855	5.5	38
239	Structure and Dynamics in Hydrophilic Polymer/Layered Silicate Nanocomposites. <i>Macromolecular Symposia</i> , 2013 , 331-332, 50-57	0.8	3
238	Incoherent Inelastic Neutron Scattering on Poly butadiene under Pressure. <i>Progress of Theoretical Physics Supplement</i> , 2013 , 126, 213-218		
237	New possibilities with inelastic fixed window scans and linear motor Doppler drives on high resolution neutron backscattering spectrometers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012 , 669, 7-13	1.2	42
236	A case study for using neutron backscattering instruments at reactors in inverted time-of-flight mode. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012 , 672, 64-68	1.2	8
235	Direct evidence for the magnetic ordering of Nd ions in NdMn ₂ Si ₂ and NdMn ₂ Ge ₂ by high resolution inelastic neutron scattering. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 1030-1033	2.8	5
234	Quasielastic Neutron Scattering Study on the Dynamics of Poly(alkylene oxide)s. <i>Macromolecules</i> , 2012 , 45, 4394-4405	5.5	34
233	Lyophilised protein dynamics: more than just methyls?. <i>Soft Matter</i> , 2012 , 8, 9529	3.6	10

232	Neutron Scattering Reveals Enhanced Protein Dynamics in Concanavalin A Amyloid Fibrils. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 992-6	6.4	17
231	Probing the Dynamics of the Porous Zr Terephthalate UiO-66 Framework Using ² H NMR and Neutron Scattering. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 12131-12136	3.8	79
230	Magnetic ordering in double perovskites R ₂ CoMnO ₆ (R = Y, Tb) investigated by high resolution neutron spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 266005	1.8	8
229	Component dynamics in polyvinylpyrrolidone concentrated aqueous solutions. <i>Journal of Chemical Physics</i> , 2012 , 137, 084902	3.9	32
228	Understanding the Stability of Micellar Systems of Interest for the Study of Glasses, Freezing and Soft Confinement. <i>Neutron Scattering Applications and Techniques</i> , 2012 , 319-347		
227	Signature of a type-A glass transition and intrinsic confinement effects in a binary glass-forming system. <i>Physical Review Letters</i> , 2012 , 109, 035702	7.4	37
226	Molecular dynamics of n-hexane: a quasi-elastic neutron scattering study on the bulk and spatially nanochannel-confined liquid. <i>Journal of Chemical Physics</i> , 2012 , 136, 124505	3.9	26
225	High-temperature high pressure cell for neutron-scattering studies. <i>High Pressure Research</i> , 2012 , 32, 471-481	1.6	5
224	Dynamics of water confined to reverse AOT micelles. <i>Soft Matter</i> , 2011 , 7, 5745	3.6	32
223	Spring wheat genotypes differentially alter soil microbial communities and wheat breadmaking quality in organic and conventional systems. <i>Canadian Journal of Plant Science</i> , 2011 , 91, 485-495	1	22
222	Neutron Backscattering 2011 , 183-202		5
221	Effects of input management and crop diversity on non-renewable energy use efficiency of cropping systems in the Canadian Prairie. <i>European Journal of Agronomy</i> , 2011 , 34, 113-123	5	26
220	Optimum velocity of a phase-space transformer for cold-neutron backscattering spectroscopy. <i>Journal of Applied Crystallography</i> , 2011 , 44, 467-472	3.8	21
219	Glassy Dynamics of Polystyrene by Quasielastic Neutron Scattering. <i>Macromolecules</i> , 2011 , 44, 3161-3168	3.5	18
218	Direct evidence for the magnetic ordering of Nd ions in NdFeAsO by high-resolution inelastic neutron scattering. <i>Physical Review B</i> , 2011 , 84,	3.3	6
217	Effects of input management and crop diversity on economic returns and riskiness of cropping systems in the semi-arid Canadian Prairie. <i>Renewable Agriculture and Food Systems</i> , 2011 , 26, 208-223	1.8	25
216	The non-Gaussian dynamics of glycerol. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 505102	1.8	9
215	Study of the structure and dynamics of poly(vinyl pyrrolidone) by molecular dynamics simulations validated by quasielastic neutron scattering and x-ray diffraction experiments. <i>Journal of Chemical Physics</i> , 2011 , 134, 054904	3.9	21

214	Quasielastic neutron scattering study of hydrogen motions in an aqueous poly(vinyl methyl ether) solution. <i>Journal of Chemical Physics</i> , 2011 , 134, 204906	3.9	37
213	Connection between slow and fast dynamics of molecular liquids around the glass transition. <i>Physical Review E</i> , 2010 , 82, 021508	2.4	28
212	Investigation of the relationship between hydrogen bonds and macroscopic properties in hybrid core-shell gamma-Fe ₂ O ₃ -P(NIPAM-AAS) microgels. <i>Langmuir</i> , 2010 , 26, 7101-6	4	16
211	The Role of Chain Length in Nonergodicity Factor and Fragility of Polymers. <i>Macromolecules</i> , 2010 , 43, 8977-8984	5.5	21
210	Are the Glass Forming Properties of Glycerol Changed when Disrupting the Hydrogen Bond Network by Addition of Silica Nanospheres?. <i>Zeitschrift Fur Physikalische Chemie</i> , 2010 , 224, 101-107	3.1	
209	Recent Backscattering Instrument Developments at the ILL and SNS. <i>Zeitschrift Fur Physikalische Chemie</i> , 2010 , 224, 33-60	3.1	50
208	Perfluorinated surfactants as model charged systems for understanding the effect of confinement on proton transport and water mobility in fuel cell membranes. A study by QENS. <i>European Physical Journal: Special Topics</i> , 2010 , 189, 205-216	2.3	31
207	Vibrational and molecular dynamics of a nanoconfined liquid crystal. <i>European Physical Journal: Special Topics</i> , 2010 , 189, 251-255	2.3	17
206	Structure and dynamics of polymer chains in hydrophilic nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010 , 48, 1658-1667	2.6	26
205	Consequence of excess configurational entropy on fragility: the case of a polymer-oligomer blend. <i>Physical Review Letters</i> , 2009 , 103, 185702	7.4	19
204	Iron dynamics in Al-Cu-Fe quasicrystals and approximants: Mössbauer and neutron experiments. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 045405	1.8	6
203	Molecular dynamics of glycerol and glycerol-trehalose bioprotectant solutions nanoconfined in porous silicon. <i>Journal of Chemical Physics</i> , 2009 , 130, 214502	3.9	22
202	Atomic motions in poly(vinyl methyl ether): A combined study by quasielastic neutron scattering and molecular dynamics simulations in the light of the mode coupling theory. <i>Journal of Chemical Physics</i> , 2009 , 131, 204901	3.9	22
201	Accelerated dynamics of supercooled glycerol in soft confinement. <i>Chemical Physics Letters</i> , 2009 , 475, 171-174	2.5	27
200	Interpenetrated PNIPAM-polythiophene microgels for nitro aromatic compound detection. <i>Langmuir</i> , 2009 , 25, 9579-84	4	23
199	Structure and dynamics of reverse micelles containing supercooled water investigated by neutron scattering. <i>Physical Review E</i> , 2009 , 79, 031404	2.4	34
198	Direct evidence for the Nd magnetic ordering in NdMnO ₃ from the hyperfine field splitting of Nd nuclear levels. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 126003	1.8	18
197	Supercooling of water confined in reverse micelles. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 104204	4.8	19

196	Incoherent quasielastic neutron scattering study of molecular dynamics of 4-n-octyl-4Pcyanobiphenyl. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 2993-9	3.6	11
195	Inelastic neutron scattering study of a glass-forming liquid in soft confinement. <i>Soft Matter</i> , 2008 , 4, 522-533	3.6	24
194	Polymer Chain Dynamics of CoreShell Thermosensitive Microgels. <i>Macromolecules</i> , 2008 , 41, 4739-4745	5.5	33
193	Primary spectrometer neutron optics simulations for a new cold neutron backscattering spectrometer. <i>Journal of Neutron Research</i> , 2008 , 16, 39-54	0.5	7
192	Glassy properties and viscous slowing down: An analysis of the correlation between nonergodicity factor and fragility. <i>Journal of Chemical Physics</i> , 2008 , 129, 194513	3.9	26
191	Neutron scattering investigation of a diluted blend of poly(ethylene oxide) in polyethersulfone. <i>Journal of Chemical Physics</i> , 2008 , 128, 184901	3.9	12
190	Effect of stretching on the sub-Tg phenylene-ring dynamics of polycarbonate by neutron scattering. <i>Physical Review E</i> , 2008 , 78, 021801	2.4	6
189	Relation between static short-range order and dynamic heterogeneities in a nanoconfined liquid crystal. <i>Physical Review E</i> , 2008 , 78, 040701	2.4	30
188	Effect of Nanoscopic Confinement on the Microscopic Dynamics of Glass-Forming Liquids and Polymers Studied by Inelastic Neutron Scattering. <i>AIP Conference Proceedings</i> , 2008 ,	0	12
187	Spring wheat yield response to variable seeding rates in organic farming systems at different fertility regimes. <i>Canadian Journal of Plant Science</i> , 2008 , 88, 43-52	1	9
186	New sources and instrumentation for neutrons in biology. <i>Chemical Physics</i> , 2008 , 345, 133-151	2.3	46
185	Molecular motions in low cross-linked poly(N-isopropylacrylamide) microgels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 319, 149-153	5.1	5
184	Structure and dynamics in polymer/layered silicate nanocomposites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 152, 33-39	3.1	31
183	Probing the flexibility of the bacterial reaction center: the wild-type protein is more rigid than two site-specific mutants. <i>Biochemistry</i> , 2007 , 46, 14960-8	3.2	48
182	Dynamic Confinement Effects in Polymer Blends. A Quasielastic Neutron Scattering Study of the Slow Component in the Blend Poly(vinyl acetate)/Poly(ethylene oxide). <i>Macromolecules</i> , 2007 , 40, 4568-4577	5.5	39
181	Characteristic lengths measured by incoherent elastic and quasielastic neutron scattering within the thermal hysteresis loop in a ferroelectric copolymer. <i>Physical Review B</i> , 2007 , 76,	3.3	1
180	Cultivar and Seeding Rate Effects on the Competitive Ability of Spring Cereals Grown under Organic Production in Northern Canada. <i>Agronomy Journal</i> , 2007 , 99, 1199-1207	2.2	42
179	Influence of pressure on the boson peak: stronger than elastic medium transformation. <i>Physical Review Letters</i> , 2007 , 99, 055502	7.4	90

178	Influence of surface interactions on the dynamics of the glass former ortho-terphenyl confined in nanoporous silica. <i>European Physical Journal: Special Topics</i> , 2007 , 141, 11-18	2.3	22
177	Dynamics of 8CB confined into porous silicon probed by incoherent neutron backscattering experiments. <i>European Physical Journal: Special Topics</i> , 2007 , 141, 29-34	2.3	2
176	Segmental dynamics of poly(methyl phenyl siloxane) confined to nanoporous glasses. <i>European Physical Journal: Special Topics</i> , 2007 , 141, 255-259	2.3	47
175	Structure and dynamics in PEO nanocomposites. <i>European Physical Journal: Special Topics</i> , 2007 , 141, 267-271	2.3	17
174	Solvent diffusion in a gel when escaping the confining polymer cage. <i>European Physical Journal: Special Topics</i> , 2007 , 141, 273-276	2.3	1
173	Does growing Canadian Western Hard Red Spring wheat under organic management alter its breadmaking quality?. <i>Renewable Agriculture and Food Systems</i> , 2007 , 22, 157-167	1.8	29
172	Molecular dynamics of a short-range ordered smectic phase nanoconfined in porous silicon. <i>Journal of Chemical Physics</i> , 2007 , 126, 064902	3.9	35
171	Quasielastic neutron scattering of poly(methyl phenyl siloxane) in the bulk and under severe confinement. <i>Journal of Chemical Physics</i> , 2007 , 127, 144910	3.9	29
170	Phenylene ring dynamics in phenoxy and the effect of intramolecular linkages on the dynamics of some engineering thermoplastics below the glass transition temperature. <i>Physical Review E</i> , 2007 , 75, 051801	2.4	8
169	Economic and social impacts of organic production systems. <i>Canadian Journal of Plant Science</i> , 2007 , 87, 1037-1044	1	29
168	Molecular dynamics in glass-forming poly(phenyl methyl siloxane) as investigated by broadband thermal, dielectric and neutron spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 3853-3861	3.9	32
167	Neutron Backscattering Spectroscopy 2006 , 483-527		8
166	Quasielastic Neutron Scattering Study on the Effect of Blending on the Dynamics of Head-to-Head Poly(propylene) and Poly(ethylene-propylene). <i>Macromolecules</i> , 2006 , 39, 1060-1072	5.5	34
165	Dynamic Confinement Effects in Polymer Blends. A Quasielastic Neutron Scattering Study of the Dynamics of Poly(ethylene oxide) in a Blend with Poly(vinyl acetate). <i>Macromolecules</i> , 2006 , 39, 3007-3018	5.5	52
164	Influence of pressure on fast dynamics in polyisobutylene. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 4583-4588	3.9	11
163	Hydrogen dynamics in polyethersulfone: A quasielastic neutron scattering study in the high-momentum transfer region. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 4610-4614	3.9	1
162	Molecular motions in glassy polycarbonate below its glass transition temperature. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 5072-5075	3.9	6
161	Dynamics of the PEOBPOBEO tri-block-copolymer L31 investigated by quasielastic neutron scattering. <i>Physica B: Condensed Matter</i> , 2006 , 385-386, 252-255	2.8	1

160	How IN16 can maintain a world-leading position in neutron backscattering spectrometry. <i>Physica B: Condensed Matter</i> , 2006 , 385-386, 1101-1103	2.8	8
159	Nuclear ordering and excitations in. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 305, 186-190	2.8	16
158	Sub-Tg dynamics in polycarbonate by neutron scattering and its relation with secondary gamma relaxation. <i>Journal of Chemical Physics</i> , 2005 , 123, 014907	3.9	26
157	Flow cell for neutron spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 1262-5	3.6	7
156	Dynamics of Polyethersulfone Phenylene Rings: A Quasielastic Neutron Scattering Study. <i>Macromolecules</i> , 2005 , 38, 3999-4013	5.5	21
155	Inelastic neutron scattering for investigating the dynamics of confined glass-forming liquids. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 2657-2667	3.9	50
154	Polymers in nanoconfinement: What can be learned from relaxation and scattering experiments?. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 2668-2677	3.9	101
153	Thermal hysteresis loop in the elastic incoherent scattering function of vinylidene fluoride and trifluoroethylene ferroelectric copolymers. <i>Physical Review B</i> , 2005 , 71,	3.3	3
152	Fast dynamics of H2O in hydrous aluminosilicate glasses studied with quasielastic neutron scattering. <i>Physical Review B</i> , 2005 , 71,	3.3	17
151	Dynamics and structure in complex liquids under shear explored by neutron scattering. <i>Physical Review E</i> , 2005 , 71, 011509	2.4	7
150	Dynamical properties of toluene and ortho-terphenyl confined in MCM-41 and SBA-15 mesoporous materials. <i>European Journal of Control</i> , 2005 , 30, 365-373	2.5	3
149	Phenylene ring dynamics in bisphenol-A-polysulfone by neutron scattering. <i>Journal of Chemical Physics</i> , 2004 , 120, 423-36	3.9	20
148	Glass transition of polymers confined to nanoporous glasses. <i>Colloid and Polymer Science</i> , 2004 , 282, 882-891	2.4	88
147	Low energy nuclear spin excitations in NdGaO ₃ . <i>Solid State Communications</i> , 2004 , 131, 453-457	1.6	15
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