

# Hiroshi Jinnai

## 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.

244  
papers

8,066  
citations

46  
h-index

77  
g-index

262  
ext. papers

8,720  
ext. citations

5.2  
avg, IF

5.82  
L-index

#	Paper	IF	Citations
244	Electron microscopy for polymer structures.. <i>Microscopy (Oxford, England)</i> , <b>2022</b> , 71, i148-i164	1.3	0
243	Structural Correlations of the Nonlinear Optical Response in Polydiacetylene Nanotubes Hybridized with Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 2763-2771	3.8	0
242	Densely Arrayed Cage-Shaped Polymer Topologies Synthesized via Cyclopolymerization of Star-Shaped Macromonomers. <i>Macromolecules</i> , <b>2021</b> , 54, 9079-9090	5.5	1
241	Nanodiffraction Imaging of Polymer Crystals. <i>Macromolecules</i> , <b>2021</b> , 54, 6028-6037	5.5	3
240	Cellulose nanofiber-reinforced rubber composites prepared by TEMPO-functionalization and elastic kneading. <i>Composites Science and Technology</i> , <b>2021</b> , 210, 108815	8.6	7
239	Ultra-low dielectric properties of porous polyimide thin films fabricated by using the two kinds of templates with different particle sizes. <i>Polymer</i> , <b>2021</b> , 212, 123115	3.9	10
238	Elucidation of oxygen reduction reaction and nanostructure of platinum-loaded graphene mesopore for polymer electrolyte fuel cell electrocatalyst. <i>Electrochimica Acta</i> , <b>2021</b> , 370, 137705	6.7	3
237	Nanoscale Stress Distribution in Silica-Nanoparticle-Filled Rubber as Observed by Transmission Electron Microscopy: Implications for Tire Application. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 4452-4461	5.6	4
236	Preparation of high-performance carbon nanotube/polyamide composite materials by elastic high-shear kneading and improvement of properties by induction heating treatment. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50512	2.9	1
235	Degradation of a Metal-Polymer Interface Observed by Element-Specific Focused Ion Beam-Scanning Electron Microscopy. <i>Langmuir</i> , <b>2020</b> , 36, 2816-2822	4	4
234	Strategy for Finely Aligned Gold Nanorod Arrays Using Polymer Brushes as a Template. <i>Langmuir</i> , <b>2020</b> , 36, 3590-3599	4	12
233	Cellulose nanofiber/elastomer composites with high tensile strength, modulus, toughness, and thermal stability prepared by high-shear kneading. <i>Composites Science and Technology</i> , <b>2020</b> , 188, 108005	8.6	30
232	Hierarchical structure of the triclinic $\beta$ phase crystal in nylon 6,12 mediated by two-dimensional confinement. <i>Journal of Applied Crystallography</i> , <b>2020</b> , 53, 27-33	3.8	2
231	Networks with controlled chirality via self-assembly of chiral triblock terpolymers. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	11
230	Visualization of chemical bonding in a silica-filled rubber nanocomposite using STEM-EELS. <i>Scientific Reports</i> , <b>2020</b> , 10, 21558	4.9	2
229	Scattering patterns and stress-strain relations on phase-separated ABA block copolymers under uniaxial elongating simulations. <i>Soft Matter</i> , <b>2019</b> , 15, 926-936	3.6	8
228	Self-Assembled Morphologies of Lamella-Forming Block Copolymers Confined in Conical Nanopores. <i>Macromolecules</i> , <b>2019</b> , 52, 4803-4811	5.5	8

227 Transmission Electron Microscopy **2019**, 147-153

226 Scanning Electron Microscopy **2019**, 141-146

225 Adding Symmetry: Cylindrically Confined Crystallization of Nylon-6. *Macromolecules*, **2019**, 52, 3298-3305.5 10

224 An inverse modeling approach for predicting filled rubber performance. *Computer Methods in Applied Mechanics and Engineering*, **2019**, 357, 112567 5.7 8

223 Visualization of the tensile fracture behaviors at adhesive interfaces between brass and sulfur-containing rubber studied by transmission electron microscopy. *Polymer*, **2019**, 181, 121789 3.9 5

222 Cascade Self-Organization of Shish Kebabs in Fibers Spun from Polymer Solutions: Crystalline Fibrils Bridging Neighboring Kebabs Discovered by Transmission Electron Microtomography. *Macromolecules*, **2019**, 52, 575-591 5.5 5

221 Anatomy of triply-periodic network assemblies: characterizing skeletal and inter-domain surface geometry of block copolymer gyroids. *Soft Matter*, **2018**, 14, 3612-3623 3.6 18

220 Super-resolution for asymmetric resolution of FIB-SEM 3D imaging using AI with deep learning. *Scientific Reports*, **2018**, 8, 5877 4.9 37

219 Three-Dimensional Structural Analysis of Nanocomposite Materials Containing Nanoparticulates **2018**, 721-726

218 Interfacial morphologies and associated processes of multicomponent polymers. *Polymer Journal*, **2018**, 50, 1121-1138 2.7 5

217 Development of a three-dimensional tomography holder for in situ tensile deformation for soft materials. *Microscopy (Oxford, England)*, **2018**, 67, 296-300 1.3 10

216 In situ Three-dimensional Observation of Rubber Materials Under Tensile Deformation. *Nippon Gomu Kyokaishi*, **2018**, 91, 370-374 0

215 Enhancement of Oxygen Reduction Reaction Activity of Pd Core-Pt Shell Structured Catalyst on a Potential Cycling Accelerated Durability Test. *Electrocatalysis*, **2018**, 9, 125-138 2.7 12

214 Stabilizing the Ordered Bicontinuous Double Diamond Structure of Diblock Copolymer by Configurational Regularity. *Macromolecules*, **2018**, 51, 4049-4058 5.5 11

213 Automated discrete electron tomography: Towards routine high-fidelity reconstruction of nanomaterials. *Ultramicroscopy*, **2017**, 175, 87-96 3.1 23

212 Direct three-dimensional imaging of the fracture of fiber-reinforced plastic under uniaxial extension: Effect of adhesion between fibers and matrix. *Polymer*, **2017**, 116, 556-564 3.9 6

211 Three-Dimensional Visualization and Characterization of Polymeric Self-Assemblies by Transmission Electron Microtomography. *Accounts of Chemical Research*, **2017**, 50, 1293-1302 24.3 14

210 Controlled self-assemblies of polystyrene-block-polydimethylsiloxane micelles in cylindrical confinement through a micelle solution wetting method and Rayleigh-instability-driven transformation. *Soft Matter*, **2017**, 13, 5428-5436 3.6 5

209	Synthesis of ordered carbonaceous frameworks from organic crystals. <i>Nature Communications</i> , <b>2017</b> , 8, 109	17.4	45
208	Liquid Marbles from Polymer Particles: Formation Mechanism, Physical Characterizations, and Applications. <i>Kobunshi Ronbunshu</i> , <b>2017</b> , 74, 26-35	0	2
207	Direct Characterization of In-Plane Phase Separation in Polystyrene Brush/Cyclohexane System. <i>Macromolecules</i> , <b>2016</b> , 49, 4862-4866	5.5	13
206	Highly robust crystalsome via directed polymer crystallization at curved liquid/liquid interface. <i>Nature Communications</i> , <b>2016</b> , 7, 10599	17.4	48
205	OM-II-2Scanning Transmission Electron Microscopy Observation of Polymeric Materials without Staining. <i>Microscopy (Oxford, England)</i> , <b>2016</b> , 65, i14.2-i14	1.3	
204	Swollen structure and electrostatic interactions of polyelectrolyte brush in aqueous solution. <i>Polymer</i> , <b>2016</b> , 98, 464-469	3.9	14
203	Direct observation of polyelectrolyte brushes under wet and dry conditions by atmospheric scanning electron microscopy. <i>Microscopy (Oxford, England)</i> , <b>2016</b> , 65, 139-44	1.3	3
202	Silver Nanoparticle Arrays Prepared by In Situ Automatic Reduction of Silver Ions in Mussel-Inspired Block Copolymer Films. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 726-734	2.6	17
201	Multipod structures of lamellae-forming diblock copolymers in three-dimensional confinement spaces: Experimental observation and computer simulation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2016</b> , 54, 1702-1709	2.6	11
200	How does dense phase CO <sub>2</sub> influence the phase behaviour of block copolymers synthesised by dispersion polymerisation?. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 905-916	4.9	22
199	Controlled incorporation behavior of gold nanoparticles into ABC triblock terpolymer with double-helical morphology. <i>Polymer Journal</i> , <b>2016</b> , 48, 509-515	2.7	5
198	Interface manipulated two-phase nanostructure in a triblock terpolymer with a short middle segment. <i>Polymer Journal</i> , <b>2016</b> , 48, 533-538	2.7	3
197	Yolk/Shell Assembly of Gold Nanoparticles by Size Segregation in Solution. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 3274-7	16.4	34
196	Evaluation of the appropriate size of the finite element representative volume for filled rubber composite analyses. <i>Mechanical Engineering Journal</i> , <b>2016</b> , 3, 16-00372-16-00372	0.5	6
195	Lateral Growth of 1D Core-Crystalline Micelles upon Annealing in Solution. <i>Macromolecules</i> , <b>2016</b> , 49, 7004-7014	5.5	25
194	Observation of constraint surface dynamics of polystyrene thin films by functionalization of a silsesquioxane cage. <i>Polymer</i> , <b>2016</b> , 105, 487-499	3.9	5
193	Mixing of immiscible polymers using nanoporous coordination templates. <i>Nature Communications</i> , <b>2015</b> , 6, 7473	17.4	50
192	Structural Analysis of Microphase Separated Interface in an ABC-Type Triblock Terpolymer by Combining Methods of Synchrotron-Radiation Grazing Incidence Small-Angle X-ray Scattering and Electron Microtomography. <i>Macromolecules</i> , <b>2015</b> , 48, 2697-2705	5.5	17

191	One-step nanopatterning of conjugated polymers by electron-beam-assisted electropolymerization. <i>Microscopy (Oxford, England)</i> , <b>2015</b> , 64, 205-12	1.3	6
190	Salt Dependence of the Chain Stiffness and Excluded-Volume Strength for the Polymethacrylate-Type Sulfopropylbetaine in Aqueous NaCl Solutions. <i>Macromolecules</i> , <b>2015</b> , 48, 7194-7204	5.5	27
189	A compatible crosslinker for enhancement of CO <sub>2</sub> capture of poly(amidoamine) dendrimer-containing polymeric membranes. <i>Journal of Membrane Science</i> , <b>2015</b> , 475, 175-183	9.6	30
188	X-ray Computerized Tomography Observation of the Interfacial Structure of Liquid Marbles. <i>Bulletin of the Chemical Society of Japan</i> , <b>2015</b> , 88, 84-88	5.1	13
187	Frozen non-equilibrium structure for anisotropically deformed natural rubber with nanomatrix structure observed by 3D FIB-SEM and electron tomography. <i>Colloid and Polymer Science</i> , <b>2015</b> , 293, 2555-2563	2.4	2
186	Fabrication of NIR-Excitable SERS-Active Composite Particles Composed of Densely Packed Au Nanoparticles on Polymer Microparticles. <i>Particle and Particle Systems Characterization</i> , <b>2015</b> , 32, 441-447	2.1	14
185	Morphological investigation of midblock-sulfonated block ionomers prepared from solvents differing in polarity. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 432-8	4.8	36
184	Real-space evidence of the equilibrium ordered bicontinuous double diamond structure of a diblock copolymer. <i>Soft Matter</i> , <b>2015</b> , 11, 1871-6	3.6	30
183	FIB processing for natural rubber with nanomatrix structure. <i>Polymer</i> , <b>2015</b> , 57, 143-149	3.9	2
182	Wetting transition from the Cassie-Baxter state to the Wenzel state on textured polymer surfaces. <i>Langmuir</i> , <b>2014</b> , 30, 2061-7	4	237
181	Organic solar cells based on three-dimensionally percolated polythiophene nanowires with enhanced charge transport. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 5640-50	9.5	34
180	The Role of Solvent Additive Processing in High Performance Small Molecule Solar Cells. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 6531-6541	9.6	54
179	Large-scale self-assembled zirconium phosphate smectic layers via a simple spray-coating process. <i>Nature Communications</i> , <b>2014</b> , 5, 3589	17.4	81
178	Linking experiment and theory for three-dimensional networked binary metal nanoparticle-triblock terpolymer superstructures. <i>Nature Communications</i> , <b>2014</b> , 5, 3247	17.4	51
177	Liquid marbles supported by monodisperse poly(methylsilsesquioxane) particles. <i>Langmuir</i> , <b>2014</b> , 30, 9071-5	4	41
176	Effect of Water Swelling on the Tribological Properties of PMMA Spin-Cast Film and Brush in Aqueous Environment. <i>Tribology Letters</i> , <b>2014</b> , 55, 121-129	2.8	4
175	Synthesis of Titanium-Containing Block, Random, End-Functionalized, and Junction-Functionalized Polymers via Ruthenium-Catalyzed Living Radical Polymerization and Direct Observation of Titanium Domains by Electron Microscopy. <i>Macromolecules</i> , <b>2014</b> , 47, 944-953	5.5	10
174	Frustrated phases: polymeric self-assemblies in a 3D confinement. <i>Soft Matter</i> , <b>2014</b> , 10, 2919-31	3.6	101

173	Preparation and characterization of polycarbonate nanocomposites based on surface-modified halloysite nanotubes. <i>Polymer Journal</i> , <b>2014</b> , 46, 307-312	2.7	17
172	Nanometer-scale Real-space Observation and Material Processing for Polymer Materials under Atmospheric Pressure: Application of Atmospheric Scanning Electron Microscopy. <i>Electrochemistry</i> , <b>2014</b> , 82, 359-363	1.2	5
171	Two-dimensional percolation phenomena of single-component linear homopolymer brushes. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 054904	3.9	5
170	Development of CO <sub>2</sub> Separation Membrane with Poly(amido amine) Dendrimer. <i>Kobunshi Ronbunshu</i> , <b>2014</b> , 71, 202-210	0	0
169	Three-dimensional microscopy for multi-scale imaging: from nano to macro. <i>Microscopy (Oxford, England)</i> , <b>2014</b> , 63 Suppl 1, i3	1.3	
168	Epitaxial Phase Transition between Double Gyroid and Cylinder Phase in Diblock Copolymer Thin Film. <i>Macromolecules</i> , <b>2014</b> , 47, 8761-8767	5.5	15
167	Molecular self-assembly of nylon-12 nanorods cylindrically confined to nanoporous alumina. <i>IUCrJ</i> , <b>2014</b> , 1, 439-45	4.7	9
166	Electrical Performance of Organic Solar Cells with Additive-Assisted Vertical Phase Separation in the Photoactive Layer. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1300612	21.8	63
165	Electron tomography. <i>Keikinzoku/Journal of Japan Institute of Light Metals</i> , <b>2014</b> , 64, 117-120	0.3	
164	Morphological Control of Helical Structures of an ABC-Type Triblock Terpolymer by Distribution Control of a Blending Homopolymer in a Block Copolymer Microdomain. <i>Macromolecules</i> , <b>2013</b> , 46, 6991-6997	5.5	50
163	Electron tomography in soft materials. <i>Current Opinion in Solid State and Materials Science</i> , <b>2013</b> , 17, 135-142	12	21
162	Measurement of the electrostatic interaction between polyelectrolyte brush surfaces by optical tweezers. <i>Langmuir</i> , <b>2013</b> , 29, 16093-7	4	22
161	Dynamical crossover between hyperdiffusion and subdiffusion of polymer-grafted nanoparticles in a polymer matrix. <i>Physical Review E</i> , <b>2013</b> , 88, 032602	2.4	30
160	Effect of the phase-separated structure on CO <sub>2</sub> separation performance of the poly(amidoamine) dendrimer immobilized in a poly(ethylene glycol) network. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 14514	1.4	21
159	Preparation of poly(lactic-acid)-particle stabilized liquid marble and the improvement of its stability by uniform shell formation through solvent vapor exposure. <i>RSC Advances</i> , <b>2013</b> , 3, 7862	3.7	28
158	Influence of Trace Amount of Well-Dispersed Carbon Nanotubes on Structural Development and Tensile Properties of Polypropylene. <i>Macromolecules</i> , <b>2013</b> , 46, 463-473	5.5	46
157	Counterion-mediated hierarchical self-assembly of an ABC miktoarm star terpolymer. <i>ACS Nano</i> , <b>2013</b> , 7, 4030-41	16.7	76
156	Arrangement of Block Copolymer Microdomains Confined inside Hemispherical Cavities. <i>Macromolecules</i> , <b>2013</b> , 46, 5301-5307	5.5	14

155	Polymer Janus particles containing block-copolymer stabilized magnetic nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 3262-6	9.5	41
154	Spreading and structuring of water on superhydrophilic polyelectrolyte brush surfaces. <i>Langmuir</i> , <b>2013</b> , 29, 1148-51	4	27
153	Robust liquid marbles stabilized with surface-modified halloysite nanotubes. <i>Langmuir</i> , <b>2013</b> , 29, 14971-5	4	48
152	Surface and Interface Analyses of Polymer Brushes by Synchrotron Radiation. <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, 021014	1.5	20
151	Molecular simulation of 2-dimensional microphase separation of single-component homopolymers grafted onto a planar substrate. <i>Europhysics Letters</i> , <b>2013</b> , 101, 16006	1.6	13
150	Thermal gradient effect on the dynamical behavior of nanoparticles observed using X-ray photon correlation spectroscopy. <i>Polymer Journal</i> , <b>2013</b> , 45, 94-99	2.7	6
149	Experimental station for multiscale surface structural analyses of soft-material films at SPring-8 via a GISWAX/GIXD/XR-integrated system. <i>Polymer Journal</i> , <b>2013</b> , 45, 109-116	2.7	44
148	Novel neutron reflectometer SOFIA at J-PARC/MLF for in-situ soft-interface characterization. <i>Polymer Journal</i> , <b>2013</b> , 45, 100-108	2.7	98
147	Transmission electron microtomography in soft materials. <i>Microscopy (Oxford, England)</i> , <b>2013</b> , 62, 243-58.3	2.3	19
146	Chain-mixing behavior at interface between polystyrene brushes and polystyrene matrices. <i>Polymer Journal</i> , <b>2013</b> , 45, 117-123	2.7	11
145	Three-Dimensional Structural Analysis by Tomographic Methods. <i>Seikei-Kakou</i> , <b>2013</b> , 25, 512-516	0	
144	Morphological transition of triblock copolymer cylindrical micelles responding to solvent change. <i>Soft Matter</i> , <b>2012</b> , 8, 2144	3.6	10
143	Tetragonally Perforated Lamellae of Polybutadiene-block-poly(2-vinylpyridine)-block-poly(tert-butyl methacrylate) (BVT) Triblock Terpolymers in the Bulk: Preparation, Cross-Linking, and Dissolution. <i>Macromolecules</i> , <b>2012</b> , 45, 7956-7963	5.5	16
142	Gold nanoparticles coated with semi-fluorinated oligo(ethylene glycol) produce sub-100 nm nanoparticle vesicles without templates. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 7632-5	16.4	86
141	Three-dimensional observation of confined phase-separated structures in block copolymer nanoparticles. <i>Soft Matter</i> , <b>2012</b> , 8, 3791	3.6	60
140	Creating suprapolymer assemblies: nanowires, nanorings, and nanospheres prepared from symmetric block-copolymers confined in spherical particles. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 7672		32
139	X-ray photon correlation spectroscopy using a fast pixel array detector with a grid mask resolution enhancer. <i>Journal of Synchrotron Radiation</i> , <b>2012</b> , 19, 988-93	2.4	19
138	Structural analysis of poly(amidoamine) dendrimer immobilized in crosslinked poly(ethylene glycol). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2012</b> , 50, 1156-1164	2.6	9



137	Highly oriented and ordered double-helical morphology in ABC triblock terpolymer films up to micrometer thickness by solvent evaporation. <i>Polymer Journal</i> , <b>2012</b> , 44, 567-572	2.7	15
136	Tilt-angle measurement of a sample stage using a capacitive liquid-based inclinometer. <i>Journal of Electron Microscopy</i> , <b>2012</b> , 61, 193-8		1
135	Recent Advances in Multi-Scale Tomographic Techniques in Polymer Research. <i>Kobunshi Ronbunshu</i> , <b>2012</b> , 69, 358-365	0	
134	Structural characterization of the Fddd phase in a diblock copolymer thin film by electron microtomography. <i>Soft Matter</i> , <b>2011</b> , 7, 10424	3.6	17
133	Three-Dimensional Spatial Distributions of Pt Catalyst Nanoparticles on Carbon Substrates in Polymer Electrolyte Fuel Cells. <i>Electrochemistry</i> , <b>2011</b> , 79, 374-376	1.2	46
132	Multipurpose soft-material SAXS/WAXS/GISAXS beamline at SPring-8. <i>Polymer Journal</i> , <b>2011</b> , 43, 471-477	1.7	100
131	Single chain distribution analysis near a substrate using a combined method of three-dimensional imaging and SCF simulation. <i>European Polymer Journal</i> , <b>2011</b> , 47, 685-691	5.2	1
130	Dependence of beam broadening on detection angle in scanning transmission electron microtomography. <i>Journal of Electron Microscopy</i> , <b>2010</b> , 59 Suppl 1, S45-53		20
129	Solvent-Driven Evolution of Block Copolymer Morphology under 3D Confinement. <i>Macromolecules</i> , <b>2010</b> , 43, 7807-7812	5.5	121
128	Selected-area in situ generation of highly fluorescent organic nanowires embedded in a polymer film: the solvent-vapor-induced self-assembly process. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7715		19
127	Transmission Electron Microtomography and Polymer Nanostructures. <i>Macromolecules</i> , <b>2010</b> , 43, 1675-1688	1.7	152
126	Effect of film thickness on the phase behaviors of diblock copolymer thin film. <i>ACS Nano</i> , <b>2010</b> , 4, 3109-3116	1.7	50
125	Grating-assisted spectrally-narrowed emissions from an organic slab crystal excited with a mercury lamp. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 440-7	1.3	21
124	Current-injected spectrally-narrowed emissions from an organic transistor. <i>Advanced Materials</i> , <b>2010</b> , 22, 3708-12	24	52
123	Phase transition and phase transformation in block copolymer nanoparticles. <i>Macromolecular Rapid Communications</i> , <b>2010</b> , 31, 1773-8	4.8	75
122	3-Dimensional characterization of membrane with nanoporous structure using TEM tomography and image analysis. <i>Desalination</i> , <b>2010</b> , 250, 757-761	10.3	18
121	Self-Assembled ABC Triblock Copolymer Double and Triple Helices. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 6260-6263	2.8	28
120	Self-assembled ABC triblock copolymer double and triple helices. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 6144-7	16.4	179



119	Small-molecule-directed nanoparticle assembly towards stimuli-responsive nanocomposites. <i>Nature Materials</i> , <b>2009</b> , 8, 979-85	27	392
118	Transmission electron microtomography in polymer research. <i>Polymer</i> , <b>2009</b> , 50, 1067-1087	3.9	105
117	Cylindrically Confined Diblock Copolymers. <i>Macromolecules</i> , <b>2009</b> , 42, 9082-9088	5.5	163
116	Field emission scanning electron microscopy combined with focused ion beam for rubbery material with nano-matrix structure. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 184, 012027	0.3	6
115	A double helical structure formed from an amorphous, achiral ABC triblock terpolymer. <i>Soft Matter</i> , <b>2009</b> , 5, 2042	3.6	83
114	New epitaxial phase transition between DG and HEX in PS-b-PI. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 46-7	16.4	51
113	TEM and STEM Tomography for thick polymer sample. <i>Microscopy and Microanalysis</i> , <b>2009</b> , 15, 630-631	0.5	1
112	The interface dynamics of bicontinuous phase separating structure in a polymer blend. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 184, 012029	0.3	3
111	A Joint Effort between Industry and Academia in the Development of Transmission Electron Microtomography for Nano-scale Three-dimensional (3D) Visualization. <i>Journal of Fiber Science and Technology</i> , <b>2009</b> , 65, P.377-P.380	0	1
110	Three-Dimensional Visualization of a Single Block Copolymer in Lamellar Nanodomains. <i>Macromolecules</i> , <b>2008</b> , 41, 4845-4849	5.5	14
109	Nanohole structure prepared by a polystyrene-block-poly(methyl methacrylate)/poly(methyl methacrylate) mixture film. <i>Langmuir</i> , <b>2008</b> , 24, 12612-7	4	13
108	Observation of the three-dimensional structure of actin bundles formed with polycations. <i>Biomacromolecules</i> , <b>2008</b> , 9, 537-42	6.9	19
107	Sponge-like Heterogeneous Gels: Hierarchical Structures in Poly(N-isopropylacrylamide) Chemical Gels As Observed by Combined Scattering and Confocal Microscopy Method. <i>Macromolecules</i> , <b>2008</b> , 41, 8210-8219	5.5	38
106	A Transition from Cylindrical to Spherical Morphology in Diblock Copolymer Thin Films. <i>Macromolecules</i> , <b>2008</b> , 41, 9318-9325	5.5	28
105	FIB-SEM and TEMT Observation of Highly Elastic Rubbery Material with Nanomatrix Structure. <i>Macromolecules</i> , <b>2008</b> , 41, 4510-4513	5.5	32
104	Direct Three-Dimensional Observations of Order-Order Transition from Gyroid to Cylindrical Structures in a Block Copolymer. <i>Progress of Theoretical Physics Supplement</i> , <b>2008</b> , 175, 166-173		8
103	Mesoscopic Mechanical Analysis of Filled Elastomer with 3D-Finite Element Analysis and Transmission Electron Microtomography. <i>Rubber Chemistry and Technology</i> , <b>2008</b> , 81, 182-189	1.7	48
102	Recent Advances in Transmission Electron Microtomography for Polymer Research. <i>Kobunshi Ronbunshu</i> , <b>2008</b> , 65, 547-561	0	5

101	Extreme-Performance Rubber Nanocomposites for Probing and Excavating Deep Oil Resources Using Multi-Walled Carbon Nanotubes. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 3403-3409	15.6	101
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