

Gnter Reiter

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284
papers

10,760
citations

53
h-index

95
g-index

299
ext. papers

11,405
ext. citations

5.2
avg, IF

6.5
L-index

#	Paper	IF	Citations
284	Dewetting of thin polymer films. <i>Physical Review Letters</i> , 1992 , 68, 75-78	7.4	982
283	Unstable thin polymer films: rupture and dewetting processes. <i>Langmuir</i> , 1993 , 9, 1344-1351	4	453
282	Instability of Thin Polymer Films on Coated Substrates: Rupture, Dewetting, and Drop Formation. <i>Journal of Colloid and Interface Science</i> , 1996 , 178, 383-399	9.3	361
281	Residual stresses in thin polymer films cause rupture and dominate early stages of dewetting. <i>Nature Materials</i> , 2005 , 4, 754-8	27	301
280	Observation of five-fold local symmetry in liquid lead. <i>Nature</i> , 2000 , 408, 839-41	50.4	262
279	Dewetting as a Probe of Polymer Mobility in Thin Films. <i>Macromolecules</i> , 1994 , 27, 3046-3052	5.5	253
278	Crystallization of Adsorbed Polymer Monolayers. <i>Physical Review Letters</i> , 1998 , 80, 3771-3774	7.4	225
277	Cloning polymer single crystals through self-seeding. <i>Nature Materials</i> , 2009 , 8, 348-53	27	199
276	Mobility of Polymers in Films Thinner than Their Unperturbed Size. <i>Europhysics Letters</i> , 1993 , 23, 579-584.6		193
275	Direct visualization of random crystallization and melting in arrays of nanometer-size polymer crystals. <i>Physical Review Letters</i> , 2001 , 87, 226101	7.4	175
274	Thin Film Instability Induced by Long-Range Forces. <i>Langmuir</i> , 1999 , 15, 2551-2558	4	172
273	Some relevant parameters affecting the glass transition of supported ultra-thin polymer films. <i>European Physical Journal E</i> , 2002 , 8, 217-24	1.5	168
272	Polymer crystallization in quasi-two dimensions. I. Experimental results. <i>Journal of Chemical Physics</i> , 2000 , 112, 4376-4383	3.9	161
271	Instabilities of Thin Polymer Films on Layers of Chemically Identical Grafted Molecules. <i>Macromolecules</i> , 1996 , 29, 2150-2157	5.5	161
270	From static to kinetic friction in confined liquid films. <i>Science</i> , 1994 , 263, 1741-4	33.3	158
269	Anisotropic charge transport in spherulitic poly(3-hexylthiophene) films. <i>Advanced Materials</i> , 2012 , 24, 839-44	24	157
268	Dewetting of Highly Elastic Thin Polymer Films. <i>Physical Review Letters</i> , 2001 , 87,	7.4	145

267	Controllable processes for generating large single crystals of poly(3-hexylthiophene). <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11131-5	16.4	139
266	Spin-cast, thin, glassy polymer films: Highly metastable forms of matter. <i>European Physical Journal E</i> , 2001 , 6, 25-28	1.5	131
265	Lamellar Crystal Orientations Biased by Crystallization Kinetics in Polymer Thin Films. <i>Macromolecules</i> , 2006 , 39, 5159-5164	5.5	127
264	Auto-optimization of dewetting rates by rim instabilities in slipping polymer films. <i>Physical Review Letters</i> , 2001 , 87, 166103	7.4	126
263	Synchrotron x-ray study of orientational order in single crystal C60 at room temperature. <i>Physical Review Letters</i> , 1992 , 69, 2943-2946	7.4	118
262	Stick to slip transition and adhesion of lubricated surfaces in moving contact. <i>Journal of Chemical Physics</i> , 1994 , 101, 2606-2615	3.9	113
261	Systematic Control of Nucleation Density in Poly(3-Hexylthiophene) Thin Films. <i>Advanced Functional Materials</i> , 2011 , 21, 518-524	15.6	110
260	Polymer crystallization in quasi-two dimensions. II. Kinetic models and computer simulations. <i>Journal of Chemical Physics</i> , 2000 , 112, 4384-4393	3.9	109
259	Kinetics of Autophobic Dewetting of Polymer Films. <i>Langmuir</i> , 2000 , 16, 6351-6357	4	104
258	Nanometer-Scale Surface Patterns with Long-Range Order Created by Crystallization of Diblock Copolymers. <i>Physical Review Letters</i> , 1999 , 83, 3844-3847	7.4	104
257	Enhanced instability in thin liquid films by improved compatibility. <i>Physical Review Letters</i> , 2000 , 85, 1432-5	7.4	99
256	Relaxation of residual stress and reentanglement of polymers in spin-coated films. <i>Physical Review Letters</i> , 2007 , 99, 036101	7.4	94
255	Some unique features of polymer crystallisation. <i>Chemical Society Reviews</i> , 2014 , 43, 2055-65	58.5	93
254	Microstructured Surfaces Cause Severe but Non-Detrimental Deformation of the Cell Nucleus. <i>Advanced Materials</i> , 2009 , 21, 3586-3590	24	90
253	Competition of crystal nucleation to fabricate the oriented semi-crystalline polymers. <i>Polymer</i> , 2013 , 54, 3402-3407	3.9	80
252	Anomalous behavior of proton zero point motion in water confined in carbon nanotubes. <i>Physical Review Letters</i> , 2006 , 97, 247801	7.4	79
251	Thermodynamics of Formation, Reorganization, and Melting of Confined Nanometer-Sized Polymer Crystals. <i>Macromolecules</i> , 2003 , 36, 1257-1260	5.5	79
250	Liquidlike morphological transformations in monolamellar polymer crystals. <i>Physical Review Letters</i> , 2001 , 86, 5918-21	7.4	79

249	Aging of thin polymer films cast from a near-theta solvent. <i>Physical Review Letters</i> , 2010 , 105, 227801	7.4	74
248	Directing nuclear deformation on micropillared surfaces by substrate geometry and cytoskeleton organization. <i>Biomaterials</i> , 2013 , 34, 2991-3001	15.6	73
247	Improving adhesion via connector polymers to stabilize non-wetting liquid films. <i>Europhysics Letters</i> , 1996 , 33, 29-34	1.6	71
246	Nonequilibrium behavior of thin polymer films. <i>Physical Review E</i> , 2011 , 83, 021804	2.4	70
245	Real-time determination of the slippage length in autophobic polymer dewetting. <i>Physical Review Letters</i> , 2000 , 85, 2753-6	7.4	69
244	Structure and Dynamics of Structure Formation in Model Triarm Star Block Copolymers of Polystyrene, Poly(ethylene oxide), and Poly(ϵ -caprolactone). <i>Macromolecules</i> , 1998 , 31, 7279-7290	5.5	69
243	Processing Pathways Decide Polymer Properties at the Molecular Level. <i>Macromolecules</i> , 2019 , 52, 7146-7156	5.1	68
242	Switching layer stability in a polymer bilayer by thickness variation. <i>Physical Review Letters</i> , 2007 , 98, 267802	7.4	66
241	Dewetting near the glass transition: transition from a capillary force dominated to a dissipation dominated regime. <i>Physical Review Letters</i> , 2003 , 91, 216101	7.4	66
240	Light absorption of poly(3-hexylthiophene) single crystals. <i>RSC Advances</i> , 2014 , 4, 11121-11123	3.7	65
239	Investigations on the Low-Temperature Transitions and Time Effects of Branched Polyethylene by the Positron Lifetime Technique. <i>Physica Status Solidi A</i> , 1987 , 104, 707-713		61
238	Possible origin of thickness-dependent deviations from bulk properties of thin polymer films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010 , 48, 2544-2547	2.6	59
237	Deformation of a Glassy Polymer Film by Long-Range Intermolecular Forces. <i>Langmuir</i> , 1998 , 14, 5667-5672	4.7	59
236	Stable Dispersions of Highly Anisotropic Nanoparticles Formed by Cocrystallization of Enantiomeric Diblock Copolymers. <i>Macromolecules</i> , 2007 , 40, 4037-4042	5.5	59
235	Model experiments for a molecular understanding of polymer crystallization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 1869-1877	2.6	57
234	Initial Stages of Polymer Interdiffusion Studied by Neutron Reflectometry. <i>Europhysics Letters</i> , 1991 , 14, 451-456	1.6	57
233	Negative excess interfacial entropy between free and end-grafted chemically identical polymers. <i>Physical Review Letters</i> , 2000 , 85, 5599-602	7.4	56
232	Covalent Functionalization by Cycloaddition Reactions of Pristine Defect-Free Graphene. <i>ACS Nano</i> , 2017 , 11, 627-634	16.7	54

231	Cellulose nanocrystals' production in near theoretical yields by 1-butyl-3-methylimidazolium hydrogen sulfate ([Bmim]HSO ₄)-mediated hydrolysis. <i>Carbohydrate Polymers</i> , 2015 , 117, 443-451	10.3	51
230	Understanding crystal orientation in quasi-one-dimensional polymer systems. <i>Soft Matter</i> , 2008 , 4, 540-548	5.4	51
229	Influence of progressive cross-linking on dewetting of polystyrene thin films. <i>Langmuir</i> , 2008 , 24, 1884-90	9.0	51
228	Effect of Shear Stress on Crystallization of Isotactic Polypropylene from a Structured Melt. <i>Macromolecules</i> , 2012 , 45, 8933-8937	5.5	50
227	Friction Induced by Grafted Polymeric Chains. <i>Langmuir</i> , 2001 , 17, 388-398	4	49
226	Self-assembled nanoparticle deposits formed at the contact line of evaporating micrometer-size droplets. <i>Physical Review E</i> , 2004 , 69, 061609	2.4	48
225	Morphologies of diblock copolymer thin films before and after crystallization. <i>European Physical Journal E</i> , 2000 , 2, 319	1.5	48
224	X-ray reflectometer for study of polymer thin films and interfaces. <i>Vacuum</i> , 1990 , 41, 1441-1444	3.7	47
223	Segmental relaxations have macroscopic consequences in glassy polymer films. <i>Physical Review Letters</i> , 2012 , 109, 136102	7.4	45
222	Structure Formation of Polystyrene-block-poly(Ebenzyl l-glutamate) in Thin Films. <i>Macromolecules</i> , 2005 , 38, 7532-7535	5.5	44
221	Morphological instabilities of polymer crystals. <i>European Physical Journal E</i> , 2008 , 27, 63-71	1.5	43
220	Crystallization of block copolymers in restricted cylindrical geometries. <i>Polymer</i> , 2006 , 47, 330-340	3.9	42
219	Topographically induced self-deformation of the nuclei of cells: dependence on cell type and proposed mechanisms. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 939-46	4.5	41
218	X-ray determination of the substrate modulation potential for a two-dimensional Rb liquid in graphite. <i>Physical Review Letters</i> , 1986 , 57, 3191-3194	7.4	41
217	Disentanglement time of polymers determines the onset of rim instabilities in dewetting. <i>Physical Review Letters</i> , 2006 , 96, 156105	7.4	40
216	Viscoelastic dewetting of constrained polymer thin films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 3022-3030	2.6	40
215	Evolution of multilevel order in supramolecular assemblies. <i>Physical Review Letters</i> , 2005 , 94, 066103	7.4	39
214	Positron lifetime investigations on linear polyethylene compared to branched polyethylene. <i>Physica Status Solidi A</i> , 1990 , 118, 161-168		39

213	THIN-FILM PATTERN FORMATION: The Artistic Side of Intermolecular Forces 1998 , 282, 888-889		38
212	Triple-Shape Memory Materials via Thermo-responsive Behavior of Nanocrystalline Non-Isocyanate Polyhydroxyurethanes. <i>Macromolecules</i> , 2017 , 50, 3598-3606	5.5	36
211	Viscoelastic thin polymer films under transient residual stresses: two-stage dewetting on soft substrates. <i>Physical Review Letters</i> , 2008 , 100, 178301	7.4	36
210	Nanoparticle ring formation in evaporating micron-size droplets. <i>Applied Physics Letters</i> , 2004 , 84, 4774-4776	3.7	35
209	Morphologies of Polymer Crystals in Thin Films 2007 , 179-200		34
208	Morphogenesis of lamellar polymer crystals. <i>Europhysics Letters</i> , 2001 , 56, 755-761	1.6	34
207	Time regimes in polymer interdiffusion determined by marker movement. <i>Macromolecules</i> , 1991 , 24, 1179-1184	5.5	33
206	Crystal nucleation enhanced at the diffuse interface of immiscible polymer blends. <i>Physical Review E</i> , 2008 , 77, 061801	2.4	32
205	The Strength of Long-Range Forces across Thin Liquid Films. <i>Journal of Colloid and Interface Science</i> , 1999 , 214, 126-128	9.3	32
204	How Molecules with Dipole Moments Enhance the Selectivity of Electrodes in Organic Solar Cells □ A Combined Experimental and Theoretical Approach. <i>Advanced Energy Materials</i> , 2016 , 6, 1600594	21.8	31
203	Anisotropic charge transport in large single crystals of π-conjugated organic molecules. <i>Nanoscale</i> , 2014 , 6, 4774-80	7.7	31
202	How Chain-Folding Crystal Growth Determines the Thermodynamic Stability of Polymer Crystals. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 566-71	3.4	30
201	Semicrystalline Macromolecular Design by Nitroxide-Mediated Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 715-722	2.6	30
200	Cooperative rearrangements leading to long range order in monolayers of supramolecular polymers. <i>Physical Review Letters</i> , 2007 , 99, 086103	7.4	30
199	Flow-Induced Dendritic Form Isotactic Polypropylene Crystals in Thin Films. <i>Macromolecules</i> , 2016 , 49, 5145-5151	5.5	30
198	Massive enhancement of photoluminescence through nanofilm dewetting. <i>ACS Nano</i> , 2013 , 7, 6658-66	16.7	29
197	Dewetting as an investigative tool for studying properties of thin polymer films. <i>European Physical Journal: Special Topics</i> , 2009 , 166, 165-172	2.3	29
196	Crystal growth rates of diblock copolymers in thin films: influence of film thickness. <i>European Physical Journal E</i> , 2003 , 12, 497-505	1.5	29

195	A thin film analog of the corneal mucus layer of the tear film: an enigmatic long range non-classical DLVO interaction in the breakup of thin polymer films. <i>Colloids and Surfaces B: Biointerfaces</i> , 1999 , 14, 223-235	6	29
194	The use of X-ray and neutron reflectometry for the investigation of polymeric thin films. <i>Physica B: Condensed Matter</i> , 1991 , 173, 35-42	2.8	29
193	Investigation of the interdiffusion between poly(methyl methacrylate) films by marker movement. <i>Macromolecules</i> , 1993 , 26, 2134-2136	5.5	28
192	Stabilization of Nuclei of Lamellar Polymer Crystals: Insights from a Comparison of the Hoffman-Weeks Line with the Crystallization Line. <i>Macromolecules</i> , 2016 , 49, 2206-2215	5.5	27
191	Correlating polymer crystals via self-induced nucleation. <i>Physical Review Letters</i> , 2014 , 112, 237801	7.4	27
190	Time Allowed for Equilibration Quantifies the Preparation Induced Nonequilibrium Behavior of Polymer Films. <i>ACS Macro Letters</i> , 2017 , 6, 1296-1300	6.6	27
189	Elastomer polymer brushes on flat surface by bimolecular surface-initiated nitroxide mediated polymerization. <i>Polymer</i> , 2006 , 47, 972-981	3.9	27
188	Self-Assembly of CoPt ₃ Nanoparticle Rings Based on Phase-Separated Hexadecylamine Droplet Structure. <i>Langmuir</i> , 2003 , 19, 9573-9576	4	27
187	Transient Cooperative Processes in Dewetting Polymer Melts. <i>Physical Review Letters</i> , 2016 , 116, 088301	7.4	26
186	Destabilising effect of long-range forces in thin liquid films on wettable substrates. <i>Europhysics Letters</i> , 1999 , 46, 512-518	1.6	26
185	Self-destruction and dewetting of thin polymer films: the role of interfacial tensions. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, S331-S336	1.8	25
184	Controlled melting of individual, nano-meter-sized, polymer crystals confined in a block copolymer mesostructure. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 1312-1320	2.6	25
183	The interface between two strongly incompatible polymers: interfacial broadening and roughening near T _g . <i>Langmuir</i> , 1991 , 7, 2438-2442	4	25
182	Molecular-weight-dependent changes in morphology of solution-grown polyethylene single crystals. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 181-9	4.8	24
181	Polymer crystallization under nano-confinement of droplets studied by molecular simulations. <i>Faraday Discussions</i> , 2009 , 143, 129-41; discussion 169-86	3.6	24
180	Multi-curvature liquid meniscus in a nanochannel: evidence of interplay between intermolecular and surface forces. <i>Lab on A Chip</i> , 2009 , 9, 3255-60	7.2	24
179	The fuzzy supersphere. <i>Journal of Geometry and Physics</i> , 1998 , 28, 349-383	1.2	24
178	Crystallization in ultra-thin polymer films: Morphogenesis and thermodynamical aspects. <i>Thermochimica Acta</i> , 2005 , 432, 135-147	2.9	24

177	Interaction of a Bacterial Endotoxin with Different Surfaces Investigated by in Situ Fourier Transform Infrared Attenuated Total Reflection Spectroscopy. <i>Langmuir</i> , 2002 , 18, 5761-5771	4	23
176	Molecular-dynamics study of the temperature-dependent two-dimensional Rb liquid in graphite. <i>Physical Review B</i> , 1989 , 39, 6111-6114	3.3	23
175	Reversibly Slowing Dewetting of Conjugated Polymers by Light. <i>Macromolecules</i> , 2013 , 46, 2352-2356	5.5	22
174	The role of nonlinear friction in the dewetting of thin polymer films. <i>Europhysics Letters</i> , 2006 , 73, 906-912	1.2	22
173	Influence of Substrate Properties on the Dewetting Dynamics of Viscoelastic Polymer Films 2007 , 83, 367-381		22
172	Are changes in morphology clear indicators for the glass transition in thin polymer films? Tentative ideas. <i>European Physical Journal E</i> , 2002 , 8, 251-5	1.5	22
171	Morphology of an asymmetric ethyleneoxide-butadiene di-block copolymer in bulk and thin films. <i>Polymer</i> , 2005 , 46, 4868-4875	3.9	22
170	Self-Diffusion of "Hairy Rod" Molecules in Langmuir-Blodgett-Kuhn Multilayers Probed with Neutron and X-ray Reflectometry. <i>Langmuir</i> , 1994 , 10, 3820-3826	4	22
169	Morphological Changes of Isotactic Polypropylene Crystals Grown in Thin Films. <i>Macromolecules</i> , 2017 , 50, 6210-6217	5.5	21
168	Oligonucleotide nanostructured surfaces: effect on Escherichia coli curli expression. <i>Macromolecular Bioscience</i> , 2008 , 8, 1161-72	5.5	21
167	Nickel Catalyst with a Hybrid P, N Ligand for Kumada Catalyst Transfer Polycondensation of Sterically Hindered Thiophenes.. <i>ACS Macro Letters</i> , 2014 , 3, 617-621	6.6	20
166	Probing Properties of Polymers in Thin Films Via Dewetting. <i>Advances in Polymer Science</i> , 2012 , 29-63	1.3	20
165	Dewetting of thin polymer films at temperatures close to the glass transition. <i>European Physical Journal E</i> , 2003 , 12, 133-8	1.5	20
164	Controlling Polymer Crystallization Kinetics by Sample History. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1700315	2.6	19
163	Formation of Periodically Modulated Polymer Crystals. <i>Macromolecules</i> , 2018 , 51, 6119-6126	5.5	19
162	Measurements of polymer diffusion over small distances. A check of reptation arguments. <i>Journal De Physique II</i> , 1991 , 1, 659-671		19
161	Tuning the Surface/Bulk Properties by the Control of the Amphiphilic Profile in Gradient Copolymer. <i>Macromolecular Symposia</i> , 2008 , 267, 31-40	0.8	18
160	Biocide squirting from an elastomeric tri-layer film. <i>Nature Materials</i> , 2004 , 3, 311-5	27	17

159	Instability and droplet formation in evaporating thin films of a binary solution. <i>Physical Review E</i> , 2005 , 71, 051603	2.4	17
158	Fully coupled thermomechanical behaviour of viscoelastic solids treated with finite elements. <i>International Journal of Engineering Science</i> , 1995 , 33, 1037-1058	5.7	17
157	Functional Macromolecular Systems: Kinetic Pathways to Obtain Tailored Structures. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1800334	2.6	17
156	Systematic Control of Self-Seeding Crystallization Patterns of Poly(ethylene oxide) in Thin Films. <i>Macromolecules</i> , 2018 , 51, 1626-1635	5.5	16
155	Crystallization in diblock copolymer thin films at different degrees of supercooling. <i>Physical Review E</i> , 2009 , 79, 041802	2.4	16
154	Application of the ¹⁵ N nuclear reaction technique for hydrogen analysis in polymer thin films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1992 , 62, 513-520	1.2	16
153	Relaxing nonequilibrated polymers in thin films at temperatures slightly above the glass transition. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017 , 55, 515-523	2.6	15
152	Segmental Rearrangements Relax Stresses in Nonequilibrated Polymer Films. <i>ACS Macro Letters</i> , 2019 , 8, 646-650	6.6	15
151	Generating long supramolecular pathways with a continuous density of states by physically linking conjugated molecules via their end groups. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5693-8	16.4	15
150	Controllable Processes for Generating Large Single Crystals of Poly(3-hexylthiophene). <i>Angewandte Chemie</i> , 2012 , 124, 11293-11297	3.6	15
149	Morphogenesis and Nonequilibrium Pattern Formation in two-dimensional Polymer Crystallization. <i>Phase Transitions</i> , 2004 , 77, 703-745	1.3	15
148	Intrinsic Stresses in Thin Glassy Polymer Films Revealed by Crack Formation. <i>Macromolecules</i> , 2016 , 49, 9060-9067	5.5	15
147	The memorizing capacity of polymers. <i>Journal of Chemical Physics</i> , 2020 , 152, 150901	3.9	15
146	Growth Kinetics of Stacks of Lamellar Polymer Crystals. <i>Macromolecules</i> , 2018 , 51, 8738-8745	5.5	15
145	Automated two-point dixon screening for the evaluation of hepatic steatosis and siderosis: comparison with R2-relaxometry and chemical shift-based sequences. <i>European Radiology</i> , 2015 , 25, 1356-65	8	14
144	The influence of protic non-solvents present in the environment on structure formation of poly(Ebenzyl-l-glutamate) in organic solvents. <i>Soft Matter</i> , 2008 , 4, 993-1002	3.6	14
143	Poly(3-(2,5-dioctylphenyl)thiophene) Synthesized by Direct Arylation Polycondensation: End Groups, Defects, and Crystallinity. <i>Macromolecules</i> , 2016 , 49, 7230-7237	5.5	14
142	Annealing-induced periodic patterns in solution grown polymer single crystals. <i>RSC Advances</i> , 2015 , 5, 12974-12980	3.7	13

141	Highly n-doped graphene generated through intercalated terbium atoms. <i>Physical Review B</i> , 2018 , 97,	3.3	13
140	Signatures of Melting and Recrystallization of a Bulky Substituted Poly(thiophene) Identified by Optical Spectroscopy. <i>Macromolecules</i> , 2017 , 50, 6829-6839	5.5	13
139	Enhancing nucleation and controlling crystal orientation by rubbing/scratching the surface of a thin polymer film. <i>European Physical Journal E</i> , 2009 , 29, 383-9	1.5	13
138	Thin Film Morphology in Triblock Terpolymers with One and Two Crystallizable Blocks. <i>Macromolecules</i> , 2007 , 40, 5487-5496	5.5	13
137	Differential cross section and analyzing power for elastic scattering of protons on 6Li below 2.2 MeV. <i>Nuclear Physics A</i> , 1995 , 581, 93-106	1.3	13
136	Anisotropic Photophysical Properties of Highly Aligned Crystalline Structures of a Bulky Substituted Poly(thiophene). <i>ACS Macro Letters</i> , 2014 , 3, 881-885	6.6	12
135	Toughening plastics by crack growth inhibition through unidirectionally deformed soft inclusions. <i>Polymer</i> , 2013 , 54, 6019-6025	3.9	12
134	Crystallization of Poly(β -benzyl l-glutamate) in Thin Film Solutions: Structure and Pattern Formation. <i>Macromolecules</i> , 2013 , 46, 1470-1476	5.5	12
133	Swelling with a Near-Solvent as a Means to Modify the Properties of Polymer Thin Films. <i>Macromolecules</i> , 2012 , 45, 6196-6200	5.5	12
132	Simulation of secondary nucleation of polymer crystallization via a model of microscopic kinetics. <i>Chinese Chemical Letters</i> , 2015 , 26, 1105-1108	8.1	11
131	High-Temperature Stability of Dewetting-Induced Thin Polyethylene Filaments. <i>Macromolecules</i> , 2015 , 48, 1518-1523	5.5	11
130	Validation of a Multiphase Model for the Macroseggregation and Primary Structure of High-Grade Steel Ingots. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2009 , 40, 305-311	2.5	11
129	The Formation of Ordered Polymer Structures at Interfaces: A Few Intriguing Aspects. <i>Advances in Polymer Science</i> , 2005 , 1-36	1.3	11
128	Evolution of Rim Instabilities in the Dewetting of Slipping Thin Polymer Films 2005 , 81, 381-395		11
127	Morphological Phase Transitions in Spontaneous Dewetting of Thin Films on Homogeneous and Heterogeneous Surfaces. <i>Phase Transitions</i> , 2002 , 75, 377-399	1.3	11
126	TOREMA –A neutron reflectometer at Jüch. <i>Physica B: Condensed Matter</i> , 1991 , 173, 11-16	2.8	11
125	Thermodynamic Features of Perfectly Crystalline Poly(3-hexylthiophene) Revealed through Studies of Imperfect Crystals. <i>Macromolecules</i> , 2019 , 52, 2487-2494	5.5	10
124	Multiple Structural Transitions in Langmuir Monolayers of Charged Soft-Shell Nanoparticles. <i>Langmuir</i> , 2018 , 34, 3909-3917	4	10

123	Tuning relaxation dynamics and mechanical properties of polymer films of identical thickness. <i>Physical Review E</i> , 2018 , 97, 032507	2.4	10
122	Morphological changes during annealing of polyethylene nanocrystals. <i>European Physical Journal E</i> , 2012 , 35, 1-12	1.5	10
121	Linear and star-shaped POSS hybrid materials containing crystalline isotactic polystyrene chains. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 947-953	2.5	10
120	Branched Substituents Generate Improved Supramolecular Ordering in Physisorbed Molecular Assemblies. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 4955-4959	3.8	10
119	Formation of low-dimensional close-packed arrays of nanoparticles in a dewetting water layer. <i>Physical Review E</i> , 2007 , 76, 041609	2.4	10
118	Formation of silver islands on Langmuir-Blodgett films as investigated by x-ray reflectometry. <i>Langmuir</i> , 1992 , 8, 1881-1884	4	10
117	A neutron reflectometer for the investigation of solid and liquid interfaces. <i>Physica B: Condensed Matter</i> , 1989 , 156-157, 564-566	2.8	10
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- 1 Nonequilibrium Properties of Thin Polymer Films 1-30