

# Kristoffer Almdal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5024582/publications.pdf>

Version: 2024-02-01

210  
papers

11,296  
citations

34076

52  
h-index

31818

101  
g-index

214  
all docs

214  
docs citations

214  
times ranked

7827  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoconfined anti-oxidizing RAFT nitroxide radical polymer for reduction of low-density lipoprotein oxidation and foam cell formation. <i>Nanoscale Advances</i> , 2022, 4, 742-753.	2.2	5
2	Stiffness control in dual color tomographic volumetric 3D printing. <i>Nature Communications</i> , 2022, 13, 367.	5.8	21
3	Simultaneous Cross-Linking and Cross-Polymerization of Enzyme Responsive Polyethylene Glycol Nanogels in Confined Aqueous Droplets for Reduction of Low-Density Lipoprotein Oxidation. <i>Biomacromolecules</i> , 2021, 22, 386-398.	2.6	10
4	Impact of Alginate Mannuronic-Guluronic Acid Contents and pH on Protein Binding Capacity and Complex Size. <i>Biomacromolecules</i> , 2021, 22, 649-660.	2.6	19
5	Reevaluation of Poly(ethylene- <i>alt</i> -propylene)- <i>block</i> -Polydimethylsiloxane Phase Behavior Uncovers Topological Close-Packing and Epitaxial Quasicrystal Growth. <i>ACS Nano</i> , 2021, 15, 9453-9468.	7.3	19
6	Small-Angle Neutron Scattering Study of the Structural Relaxation of Elongationally Oriented, Moderately Stretched Three-Arm Star Polymers. <i>Physical Review Letters</i> , 2021, 127, 177801.	2.9	5
7	Flexible and Green Electronics Manufactured by Origami Folding of Nanosilicate-Reinforced Cellulose Paper. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 48027-48039.	4.0	24
8	Synergistic fire-retardancy properties of melamine coated ammonium poly(phosphate) in combination with rod-like mineral filler attapulgite for polymer-modified bitumen roofing membranes. <i>Fire and Materials</i> , 2020, 44, 966-974.	0.9	2
9	Long lasting mucoadhesive membrane based on alginate and chitosan for intravaginal drug delivery. <i>Journal of Materials Science: Materials in Medicine</i> , 2020, 31, 25.	1.7	21
10	Nanoporous zirconia microspheres prepared by salt-assisted spray drying. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	3
11	Stretch and orientational mode decoupling in relaxation of highly stretched polymer melts. <i>Physical Review Research</i> , 2020, 2, .	1.3	2
12	Characterization of thin gelatin hydrogel membranes with balloon properties for dynamic tissue engineering. <i>Biopolymers</i> , 2019, 110, e23241.	1.2	13
13	The amine:epoxide ratio at the interface of a glass fibre/epoxy matrix system and its influence on the interfacial shear strength. <i>Composite Interfaces</i> , 2019, 26, 493-505.	1.3	10
14	Synthesis and systematic optical investigation of selective area droplet epitaxy of InAs/InP quantum dots assisted by block copolymer lithography. <i>Optical Materials Express</i> , 2019, 9, 1738.	1.6	4
15	Bulk and Surface Morphologies of ABC Miktoarm Star Terpolymers Composed of PDMS, PI, and PMMA Arms. <i>Macromolecules</i> , 2018, 51, 1041-1051.	2.2	18
16	Interaction between structurally different heteroexopolysaccharides and $\beta$ -lactoglobulin studied by solution scattering and analytical ultracentrifugation. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 746-754.	3.6	4
17	Isoenergetic modification of whey protein structure by denaturation and crosslinking using transglutaminase. <i>Food and Function</i> , 2018, 9, 797-805.	2.1	24
18	Effect of alginate size, mannuronic/guluronic acid content and pH on particle size, thermodynamics and composition of complexes with $\beta$ -lactoglobulin. <i>Food Hydrocolloids</i> , 2018, 75, 157-163.	5.6	24

#	ARTICLE	IF	CITATIONS
19	On the morphological behavior of ABC miktoarm stars containing poly(cis 1,4-isoprene), poly(styrene), and poly(2-vinylpyridine). Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 1491-1504.	2.4	6
20	Diffusion rate of hydrogen peroxide through water-swelled polyurethane membranes. Sensing and Bio-Sensing Research, 2018, 21, 35-39.	2.2	14
21	Structural Studies of Three-Arm Star Block Copolymers Exposed to Extreme Stretch Suggests a Persistent Polymer Tube. Physical Review Letters, 2018, 120, 207801.	2.9	11
22	Revealing the Dimeric Crystal and Solution Structure of $\beta$ -Lactoglobulin at pH 4 and Its pH and Salt Dependent Monomer-Dimer Equilibrium. Biomacromolecules, 2018, 19, 2905-2912.	2.6	20
23	Molecular weight-dependent degradation and drug release of surface-eroding poly(ethylene Terephthalate) fibers. Journal of Applied Polymer Science, 2017, 134, 45192.	2.5	12
24	Mechanical properties of biaxially strained poly(L-lactide) tubes: Strain rate and temperature dependence. Journal of Applied Polymer Science, 2017, 134, 45192.	1.3	10
25	Synthesis and characterization of ferrocene containing block copolymers. Journal of Polymer Science Part A, 2017, 55, 495-503.	2.5	15
26	Revealing the Compact Structure of Lactic Acid Bacterial Heteroexopolysaccharides by SAXS and DLS. Biomacromolecules, 2017, 18, 747-756.	2.6	11
27	Effect of repeat unit structure and molecular mass of lactic acid bacteria hetero-exopolysaccharides on binding to milk proteins. Carbohydrate Polymers, 2017, 177, 406-414.	5.1	14
28	On the properties of poly(isoprene-b-ferrocenylmethyl methacrylate) block copolymers. Polymer, 2017, 133, 129-136.	1.8	4
29	Electret stability related to the crystallinity in polypropylene. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 3038-3046.	1.8	12
30	The influence of removing sizing on strength and stiffness of conventional and high modulus E-glass fibres. IOP Conference Series: Materials Science and Engineering, 2016, 139, 012040.	0.3	3
31	How preparation and modification parameters affect PB-PEO polymersome properties in aqueous solution. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1581-1592.	2.4	3
32	Experimental demonstration of graphene plasmons working close to the near-infrared window. Optics Letters, 2016, 41, 5345.	1.7	28
33	Characterization of biaxial strain of poly(L-lactide) tubes. Polymer International, 2016, 65, 133-141.	1.6	14
34	Nematic effects and strain coupling in entangled polymer melts under strong flow. Physical Review E, 2016, 94, 020502.	0.8	12
35	How molecular internal-geometric parameters affect PB-PEO polymersome size in aqueous solution. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 699-708.	2.4	7
36	Multimaterial hydrogel with widely tunable elasticity by selective photopolymerization of PEG diacrylate and epoxy monomers. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1195-1201.	2.4	20

#	ARTICLE	IF	CITATIONS
37	Stress relaxation of bi-disperse polystyrene melts. <i>Rheologica Acta</i> , 2016, 55, 303-314.	1.1	19
38	Photocatalytic Nanostructuring of Graphene Guided by Block Copolymer Self-Assembly. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 8329-8334.	4.0	12
39	Electret stability related to the crystallinity in polypropylene. , 2015, , .		1
40	Micromechanical fast quasi-static detection of $\hat{\Gamma}_1$ and $\hat{\Gamma}_2$ relaxations with nanograms of polymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1035-1039.	2.4	8
41	Aquaporin-Based Biomimetic Polymeric Membranes: Approaches and Challenges. <i>Membranes</i> , 2015, 5, 307-351.	1.4	54
42	Facing the Design Challenges of Particle-Based Nanosensors for Metabolite Quantification in Living Cells. <i>Chemical Reviews</i> , 2015, 115, 8344-8378.	23.0	23
43	Microcantilever sensors for fast analysis of enzymatic degradation of poly (d, L-lactide). <i>Polymer Degradation and Stability</i> , 2015, 119, 1-8.	2.7	5
44	Transfer of Direct and Moiré Patterns by Reactive Ion Etching Through Ex Situ Fabricated Nanoporous Polymer Masks. <i>Langmuir</i> , 2015, 31, 6245-6252.	1.6	2
45	Towards quantitative SERS detection of hydrogen cyanide at ppb level for human breath analysis. <i>Sensing and Bio-Sensing Research</i> , 2015, 5, 84-89.	2.2	34
46	Modification of poly(styrene-block-butadiene-block-styrene) [SBS] with phosphorus containing fire retardants. <i>European Polymer Journal</i> , 2015, 70, 136-146.	2.6	18
47	Self-assembly of block copolymer-based ionic supramolecules based upon multi-tail amphiphiles. <i>RSC Advances</i> , 2015, 5, 31091-31103.	1.7	3
48	DOPO-based coatings in the realm of fire retardants for cotton textile. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	14
49	Selecting analytical tools for characterization of polymersomes in aqueous solution. <i>RSC Advances</i> , 2015, 5, 79924-79946.	1.7	38
50	Electret stability related to spherulites in polypropylene. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015, 22, 2858-2863.	1.8	11
51	A Semi-Closed Device for Chromosome Spreading for Cytogenetic Analysis. <i>Micromachines</i> , 2014, 5, 158-170.	1.4	4
52	Epitaxial growth of quantum dots on InP for device applications operating at the 1.55 $\hat{\Gamma}$ /4m wavelength range. , 2014, , .		5
53	MECHANICAL PROPERTIES OF ELECTROSPUN PCL SCAFFOLD UNDER IN VITRO AND ACCELERATED DEGRADATION CONDITIONS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2014, 26, 1450043.	0.3	6
54	New approach of long-term modification of Topas® to acquire surface hydrophilicity for chromosome spreading. <i>Applied Surface Science</i> , 2014, 292, 1045-1051.	3.1	1

#	ARTICLE	IF	CITATIONS
55	Cross-linked self-assembled micelle based nanosensor for intracellular pH measurements. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6652-6659.	2.9	10
56	Micromechanical String Resonators: Analytical Tool for Thermal Characterization of Polymers. <i>ACS Macro Letters</i> , 2014, 3, 55-58.	2.3	19
57	Large-area nanopatterned graphene for ultrasensitive gas sensing. <i>Nano Research</i> , 2014, 7, 743-754.	5.8	91
58	Lamellar Microdomains of Block-Copolymer-Based Ionic Supramolecules Exhibiting a Hierarchical Self-Assembly. <i>Macromolecules</i> , 2014, 47, 3428-3435.	2.2	2
59	Synthesis and Characterization of a Micelle-Based pH Nanosensor with an Unprecedented Broad Measurement Range. <i>Chemistry of Materials</i> , 2013, 25, 1496-1501.	3.2	24
60	Micro- and nanophase separations in hierarchical self-assembly of strongly amphiphilic block copolymer-based ionic supramolecules. <i>Soft Matter</i> , 2013, 9, 1540-1555.	1.2	10
61	Process Optimization of Ultrasonic Spray Coating of Polymer Films. <i>Langmuir</i> , 2013, 29, 6911-6919.	1.6	82
62	Concentrated Polymer Solutions are Different from Melts: Role of Entanglement Molecular Weight. <i>Macromolecules</i> , 2013, 46, 5026-5035.	2.2	167
63	Morphological investigation of polydisperse asymmetric block copolymer systems of poly(styrene) and poly(methacrylic acid) in the strong segregation regime. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 1657-1671.	2.4	5
64	Light activated phase transformation of metastable tetragonal nanocrystalline zirconia. <i>Journal of Composite Materials</i> , 2012, 46, 2911-2917.	1.2	0
65	Synthesis and characterization of ratiometric nanosensors for pH quantification: a mixed micelle approach. <i>Chemical Communications</i> , 2012, 48, 4776.	2.2	20
66	Structures of PEP-PEO Block Copolymer Micelles: Effects of Changing Solvent and PEO Length and Comparison to a Thermodynamic Model. <i>Macromolecules</i> , 2012, 45, 430-440.	2.2	21
67	Hyaluronic Acid Immobilized Polyacrylamide Nanoparticle Sensors for CD44 Receptor Targeting and pH Measurement in Cells. <i>Bioconjugate Chemistry</i> , 2012, 23, 2247-2255.	1.8	31
68	Stress and neutron scattering measurements on linear polymer melts undergoing steady elongational flow. <i>Rheologica Acta</i> , 2012, 51, 385-394.	1.1	34
69	Shrinkage reduction of dental composites by addition of expandable zirconia filler. <i>Journal of Composite Materials</i> , 2011, 45, 2817-2822.	1.2	8
70	Expanding the dynamic measurement range for polymeric nanoparticle pH sensors. <i>Chemical Communications</i> , 2011, 47, 5268.	2.2	64
71	Evaluating Nanoparticle Sensor Design for Intracellular pH Measurements. <i>ACS Nano</i> , 2011, 5, 5864-5873.	7.3	161
72	Stabilization of metastable tetragonal zirconia nanocrystallites by surface modification. <i>Journal of Materials Science</i> , 2011, 46, 1824-1829.	1.7	18

#	ARTICLE	IF	CITATIONS
73	Inhibition of surface bound carbonate stabilization of tetragonal zirconia. <i>Journal of Materials Science</i> , 2011, 46, 5460-5465.	1.7	1
74	Structure of PEP-PEO block copolymer micelles: exploiting the complementarity of small-angle X-ray scattering and static light scattering. <i>Journal of Applied Crystallography</i> , 2011, 44, 473-482.	1.9	18
75	3D microstructuring of biodegradable polymers. <i>Microelectronic Engineering</i> , 2011, 88, 2342-2344.	1.1	15
76	Phase stabilizing effects of phosphates and sulfates on nanocrystalline metastable tetragonal zirconia. <i>Journal of Materials Science</i> , 2010, 45, 6271-6274.	1.7	7
77	Effect of microscale shear stresses on the martensitic phase transformation of nanocrystalline tetragonal zirconia powders. <i>Journal of the European Ceramic Society</i> , 2010, 30, 2749-2755.	2.8	31
78	Structural determination of ethylene-propylene diene rubber (EPDM) containing high degree of controlled long-chain branching. <i>Journal of Applied Polymer Science</i> , 2009, 113, 2962-2972.	1.3	13
79	Polymeric Nanosensors for Measuring the Full Dynamic pH Range of Endosomes and Lysosomes in Mammalian Cells. <i>Journal of Biomedical Nanotechnology</i> , 2009, 5, 676-682.	0.5	39
80	ESC resistance of commercial grade polycarbonates during exposure to butter and related chemicals. <i>Polymer Degradation and Stability</i> , 2008, 93, 1486-1495.	2.7	23
81	Hydrolysis and stability of thin pulsed plasma polymerised maleic anhydride coatings. <i>Applied Surface Science</i> , 2008, 254, 4720-4725.	3.1	28
82	Phosphate Sensing by Fluorescent Reporter Proteins Embedded in Polyacrylamide Nanoparticles. <i>ACS Nano</i> , 2008, 2, 19-24.	7.3	44
83	Plasma polymerized thin films of maleic anhydride and 1,2-methylenedioxybenzene for improving adhesion to carbon surfaces. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2007, 25, 1108-1117.	0.9	7
84	Hansen solubility parameters for a carbon fiber/epoxy composite. <i>Carbon</i> , 2007, 45, 2859-2865.	5.4	89
85	Unusually large acrylamide induced effect on the droplet size in AOT/Brij30 water-in-oil microemulsions. <i>Journal of Colloid and Interface Science</i> , 2007, 306, 143-153.	5.0	21
86	Synthesis and Characterization of Ratiometric, pH Sensing Nanoparticles with Covalently Attached Fluorescent Dyes. <i>Chemistry of Materials</i> , 2006, 18, 3381-3384.	3.2	134
87	Nonlinear Branch-Point Dynamics of Multiarm Polystyrene. <i>Macromolecules</i> , 2006, 39, 8844-8853.	2.2	76
88	Fluorescent gel particles in the nanometer range for detection of metabolites in living cells. <i>Polymers for Advanced Technologies</i> , 2006, 17, 790-793.	1.6	15
89	Surface characterisation of ethylene-propylene diene rubber upon exposure to aqueous acidic solution. <i>Applied Surface Science</i> , 2006, 252, 6280-6288.	3.1	4
90	Chemical degradation of crosslinked ethylene-propylene diene rubber in an acidic environment. Part II. Effect of peroxide crosslinking in the presence of a coagent. <i>Polymer Degradation and Stability</i> , 2006, 91, 81-93.	2.7	53

#	ARTICLE	IF	CITATIONS
91	Chemical degradation of crosslinked ethylene-propylene-diene rubber in an acidic environment. Part I. Effect on accelerated sulphur crosslinks. <i>Polymer Degradation and Stability</i> , 2006, 91, 69-80.	2.7	71
92	A novel method for monitoring chemical degradation of crosslinked rubber by stress relaxation under tension. <i>Polymer Degradation and Stability</i> , 2006, 91, 2520-2526.	2.7	32
93	An investigation on changes in chemical properties of pure ethylene-propylene-diene rubber in aqueous acidic environments. <i>Materials Chemistry and Physics</i> , 2006, 98, 248-255.	2.0	32
94	Investigating the role of anionic surfactant and polymer morphology on the environmental stress cracking (ESC) of high-density polyethylene. <i>Polymer Degradation and Stability</i> , 2005, 89, 442-453.	2.7	20
95	Investigation of the hydrothermal stability of cross-linked liquid silicone rubber (LSR). <i>Polymer Degradation and Stability</i> , 2005, 90, 471-480.	2.7	59
96	Collective dynamics and self-diffusion in a diblock copolymer melt in the body-centered cubic phase. <i>European Physical Journal E</i> , 2004, 15, 359-70.	0.7	6
97	Chemical degradation of fluoroelastomer in an alkaline environment. <i>Polymer Degradation and Stability</i> , 2004, 83, 195-206.	2.7	75
98	The effect of compatibilization and rheological properties of polystyrene and poly(dimethylsiloxane) on phase structure of polystyrene/poly(dimethylsiloxane) blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 898-913.	2.4	7
99	Chemical degradation of an uncrosslinked pure fluororubber in an alkaline environment. <i>Journal of Polymer Science Part A</i> , 2004, 42, 6216-6229.	2.5	43
100	Thermal behavior and properties of polystyrene/poly(methyl methacrylate) blends. <i>Journal of Applied Polymer Science</i> , 2004, 91, 609-620.	1.3	33
101	Influence of diblock copolymer on the morphology and properties of polystyrene/poly(dimethylsiloxane) blends. <i>Journal of Applied Polymer Science</i> , 2004, 92, 2747-2757.	1.3	12
102	Environmental stress cracking resistance. Behaviour of polycarbonate in different chemicals by determination of the time-dependence of stress at constant strains. <i>Polymer Degradation and Stability</i> , 2003, 82, 451-461.	2.7	40
103	Phase continuity and inversion in polystyrene/poly(methyl methacrylate) blends. <i>Polymer</i> , 2003, 44, 481-493.	1.8	53
104	Elongational Viscosity of Narrow Molar Mass Distribution Polystyrene. <i>Macromolecules</i> , 2003, 36, 5174-5179.	2.2	252
105	Mechanical Strain Sensing in a SIS-Type Elastomer with Single Site Strain Probes Based on Carbazole. <i>Macromolecules</i> , 2003, 36, 1701-1705.	2.2	20
106	A Small-Angle Neutron and X-ray Contrast Variation Scattering Study of the Structure of Block Copolymer Micelles: Corona Shape and Excluded Volume Interactions. <i>Macromolecules</i> , 2003, 36, 416-433.	2.2	168
107	Limitations of Using Raman Microscopy for the Analysis of High-Content-Carbon-Filled Ethylene Propylene Diene Monomer Rubber. <i>Applied Spectroscopy</i> , 2003, 57, 1482-1486.	1.2	5
108	A pulsed field gradient nuclear magnetic resonance study of a ternary homopolymer/diblock copolymer blend in the bicontinuous microemulsion phase. <i>Journal of Chemical Physics</i> , 2002, 117, 396-406.	1.2	5



#	ARTICLE	IF	CITATIONS
109	The effect of shear on the structure of thermoplastic elastomer gels. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2002, 58, c11-c11.	0.3	0
110	Undulation Properties of the Lamellar Phase of a Diblock Copolymer: SAXS Experiments. <i>Macromolecules</i> , 2002, 35, 7287-7292.	2.2	9
111	Influence of Conformational Asymmetry on Polymer-Polymer Interactions: An Entropic or Enthalpic Effect?. <i>Macromolecules</i> , 2002, 35, 7685-7691.	2.2	56
112	Effects of shear flow on a polymeric bicontinuous microemulsion: Equilibrium and steady state behavior. <i>Journal of Rheology</i> , 2002, 46, 529-554.	1.3	39
113	Shear-Induced Morphologies of Cubic Ordered Block Copolymer Micellar Networks Studied by in Situ Small-Angle Neutron Scattering and Rheology. <i>Macromolecules</i> , 2002, 35, 7773-7781.	2.2	76
114	Miscibility evolution of polycarbonate/polystyrene blends during compounding. <i>Polymer Engineering and Science</i> , 2002, 42, 961-968.	1.5	9
115	Dual-phase continuity and phase inversion in polycarbonate/polystyrene blends during compounding. <i>Journal of Materials Science Letters</i> , 2002, 21, 89-91.	0.5	2
116	Synthesis, Characterization, and Structural Investigations of Poly(ethyl acrylate)- <i>l</i> -polyisobutylene Bicomponent Conetwork. <i>Macromolecules</i> , 2001, 34, 1579-1585.	2.2	91
117	Abnormal Pressure Dependence of the Phase Boundaries in PEE- <i>PDMS</i> and PEP- <i>PDMS</i> Binary Homopolymer Blends and Diblock Copolymers. <i>Macromolecules</i> , 2001, 34, 1694-1706.	2.2	34
118	Dynamic Light Scattering from the Oriented Lamellar State of Diblock Copolymers: The Undulation Mode. <i>Macromolecules</i> , 2001, 34, 1090-1095.	2.2	11
119	Blends of AB/BC Diblock Copolymers with a Large Interaction Parameter $\chi$ . <i>Macromolecules</i> , 2001, 34, 4907-4916.	2.2	29
120	End Effects in Poly(styrene)/Poly(ethylene oxide) Copolymers. <i>Macromolecules</i> , 2001, 34, 1096-1104.	2.2	32
121	Origin of Internal Viscosity Effects in Flexible Polymers: A Comparative Neutron Spin-Echo and Light Scattering Study on Poly(dimethylsiloxane) and Polyisobutylene. <i>Macromolecules</i> , 2001, 34, 1281-1290.	2.2	61
122	Shear-Induced Nano-Macro Structural Transition in a Polymeric Bicontinuous Microemulsion. <i>Physical Review Letters</i> , 2001, 87, 098301.	2.9	46
123	Surface morphology of PS- <i>PDMS</i> diblock copolymer films. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 121, 93-110.	0.8	40
124	Conifer fibers as reinforcing materials for polypropylene-based composites. <i>Journal of Applied Polymer Science</i> , 2001, 80, 2833-2841.	1.3	47
125	Self-Diffusion in a Lamellar and Gyroid (Ordered) Diblock Copolymer Investigated Using Pulsed Field Gradient NMR. <i>Macromolecules</i> , 2001, 34, 868-873.	2.2	15
126	Stress relaxation experiments on a lamellar polystyrene- <i>polyisoprene</i> diblock copolymer melt. <i>Polymer</i> , 2001, 42, 7203-7208.	1.8	4



#	ARTICLE	IF	CITATIONS
127	Micro- vs. macro-phase separation in binary blends of poly(styrene)-poly(isoprene) and poly(isoprene)-poly(ethylene oxide) diblock copolymers. <i>Europhysics Letters</i> , 2001, 53, 680-686.	0.7	49
128	The influence of the morphology on the dynamics in ordered diblock copolymer melts. <i>Macromolecular Symposia</i> , 2000, 162, 275-290.	0.4	6
129	Ternary mixture of a homopolymer blend and diblock copolymer studied near the Lifshitz composition by small-angle neutron scattering. <i>Journal of Applied Crystallography</i> , 2000, 33, 686-689.	1.9	5
130	3D-ising and lifshitz critical behavior in a mixture of a polymer blend and a corresponding diblock copolymer. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 353-354.	1.3	3
131	Composition fluctuations in homopolymer blends and diblock copolymers. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 375-376.	1.3	1
132	Synthesis of small molar mass perdeuterated polyethylpropylene (d-PEP) as an auxiliary for neutron studies. <i>Polymer Bulletin</i> , 2000, 43, 485-490.	1.7	2
133	The bulk dynamics of a compositionally asymmetric diblock copolymer studied using dynamic light scattering. <i>European Physical Journal E</i> , 2000, 1, 275.	0.7	12
134	Differences of Interaction Parameter of a PS/PEO homopolymer blend and diblock copolymer in comparison to other systems. <i>Macromolecular Symposia</i> , 2000, 149, 63-68.	0.4	9
135	Dynamic light scattering from ternary polymer blends: critical behavior and bicontinuous microemulsions. <i>Macromolecular Symposia</i> , 2000, 149, 107-112.	0.4	2
136	Thermal composition fluctuations near the isotropic Lifshitz critical point in a ternary mixture of a homopolymer blend and diblock copolymer. <i>Journal of Chemical Physics</i> , 2000, 112, 5454-5472.	1.2	45
137	Self-diffusion of an asymmetric diblock copolymer above and below the order-to-disorder transition temperature. <i>Journal of Chemical Physics</i> , 1999, 111, 2789-2796.	1.2	15
138	Crossover from 3D Ising to Isotropic Lifshitz Critical Behavior in a Mixture of a Homopolymer Blend and Diblock Copolymer. <i>Physical Review Letters</i> , 1999, 82, 5056-5059.	2.9	40
139	The lamellar period in symmetric diblock copolymer thin films studied by neutron reflectivity and AFM. <i>Applied Surface Science</i> , 1999, 142, 608-613.	3.1	5
140	Unexpected phase behavior of an asymmetric diblock copolymer. <i>Journal of Chemical Physics</i> , 1999, 111, 4319-4326.	1.2	11
141	Self-diffusion investigations on a series of PEP-PDMS diblock copolymers with different morphologies by pulsed field gradient NMR. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 3923-3931.	1.3	19
142	Anisotropic Self-Diffusion in a Hexagonally Ordered Asymmetric PEP <sup>2</sup> -PDMS Diblock Copolymer Studied by Pulsed Field Gradient NMR. <i>Macromolecules</i> , 1999, 32, 5872-5877.	2.2	22
143	Dynamics of ternary polymer blends: Disordered, ordered and bicontinuous microemulsion phases. <i>Faraday Discussions</i> , 1999, 112, 335-350.	1.6	48
144	Model Bicontinuous Microemulsions in Ternary Homopolymer/Block Copolymer Blends. <i>Journal of Physical Chemistry B</i> , 1999, 103, 4814-4824.	1.2	159

#	ARTICLE	IF	CITATIONS
145	Self-Diffusion of a Symmetric PEP- $\alpha$ -PDMS Diblock Copolymer above and below the Disorder-to-Order Transition. <i>Macromolecules</i> , 1999, 32, 1956-1961.	2.2	23
146	Lubricating Effect of Thin Films of Styrene- $\alpha$ -Dimethylsiloxane Block Copolymers. <i>Langmuir</i> , 1999, 15, 3859-3865.	1.6	31
147	Observations of peeling of a polyisobutylene-based pressure-sensitive adhesive. <i>International Journal of Adhesion and Adhesives</i> , 1998, 18, 131-137.	1.4	36
148	Transition Mechanisms for Complex Ordered Phases in Block Copolymer Melts. <i>Journal of Physical Chemistry B</i> , 1998, 102, 1356-1363.	1.2	115
149	Transformations to and from the Gyroid Phase in a Diblock Copolymer. <i>Macromolecules</i> , 1998, 31, 5702-5716.	2.2	216
150	Can a single function for $\chi$ account for block copolymer and homopolymer blend phase behavior?. <i>Journal of Chemical Physics</i> , 1998, 108, 2989-3000.	1.2	166
151	Shear-induced ordering kinetics of a triblock copolymer melt. <i>Journal of Chemical Physics</i> , 1998, 108, 326-333.	1.2	40
152	Effect of shear on cubic phases in gels of a diblock copolymer. <i>Journal of Chemical Physics</i> , 1998, 108, 6929-6936.	1.2	59
153	Polymeric Bicontinuous Microemulsions. <i>Physical Review Letters</i> , 1997, 79, 849-852.	2.9	300
154	Phase behavior of diblock copolymers; pressure and temperature dependence studied by small-angle neutron scattering. <i>Macromolecular Symposia</i> , 1997, 121, 245-262.	0.4	3
155	Structure of PS- $\alpha$ -PEO Diblock Copolymers in Solution and the Bulk State Probed Using Dynamic Light-Scattering and Small-Angle Neutron-Scattering and Dynamic Mechanical Measurements. <i>Langmuir</i> , 1997, 13, 3635-3645.	1.6	93
156	Phase Behavior of Isotactic Polypropylene- $\alpha$ -Poly(ethylene/ethylene) Random Copolymer Blends. <i>Macromolecules</i> , 1997, 30, 3650-3657.	2.2	50
157	Effect of pressure on thermal order parameter fluctuations and phase boundaries in polymer blends and diblock copolymers. <i>Neutron News</i> , 1997, 8, 32-34.	0.1	0
158	Shear-Induced Single Crystalline Mesophases in Physical Networks of Gel-Forming Triblock Copolymer Solutions. <i>Macromolecules</i> , 1997, 30, 7012-7014.	2.2	32
159	Stability of the Perforated Layer (PL) Phase in Diblock Copolymer Melts. <i>Macromolecules</i> , 1997, 30, 3788-3795.	2.2	259
160	Self-Assembly and Polymerization of Epoxy Resin-Amphiphilic Block Copolymer Nanocomposites. <i>Journal of the American Chemical Society</i> , 1997, 119, 2749-2750.	6.6	393
161	Influence of shear on a lamellar triblock copolymer near the order- $\leftrightarrow$ disorder transition. <i>Journal of Rheology</i> , 1997, 41, 1147-1171.	1.3	37
162	Pressure and temperature effects in homopolymer blends and diblock copolymers. <i>Physica B: Condensed Matter</i> , 1997, 234-236, 260-262.	1.3	5

#	ARTICLE	IF	CITATIONS
163	Networks of gel-forming triblock copolymer solutions: In situ SANS and rheological measurements. <i>Physica B: Condensed Matter</i> , 1997, 241-243, 1025-1028.	1.3	11
164	Pressure dependence of the order-disorder transition in several diblock copolymers studied with SANS. <i>Physica B: Condensed Matter</i> , 1997, 241-243, 1029-1031.	1.3	2
165	Pressure and Temperature Effects in Homopolymer Blends and Diblock Copolymers. <i>Journal of Applied Crystallography</i> , 1997, 30, 696-701.	1.9	8
166	Small-Angle Neutron Scattering Studies of the Phase Behavior and Mesophases of Homopolymers, Block Copolymers and Complex Mixtures. <i>Journal of Applied Crystallography</i> , 1997, 30, 702-707.	1.9	10
167	Polarized and depolarized dynamic light scattering from a block copolymer melt. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997, 35, 1643-1648.	2.4	21
168	A Small-Angle Scattering Study of the Bulk Structure of a Symmetric Diblock Copolymer System. <i>Journal De Physique II</i> , 1997, 7, 1829-1854.	0.9	11
169	Phase Behavior of Polystyrene~Poly(2-vinylpyridine) Diblock Copolymers. <i>Macromolecules</i> , 1996, 29, 2857-2867.	2.2	182
170	Composition Fluctuations and Coil Conformation in a Poly(ethylene~propylene)~Poly(ethylethylene) Diblock Copolymer as a Function of Temperature and Pressure. <i>Macromolecules</i> , 1996, 29, 3263-3271.	2.2	48
171	Phase Behavior of Pure Diblocks and Binary Diblock Blends of Poly(ethylene)~Poly(ethylethylene). <i>Macromolecules</i> , 1996, 29, 1204-1215.	2.2	193
172	Complex Phase Behavior in Solvent-Free Nonionic Surfactants. <i>Science</i> , 1996, 271, 976-978.	6.0	145
173	Order, Disorder, and Composition Fluctuation Effects in Low Molar Mass Hydrocarbon~Poly(dimethylsiloxane) Diblock Copolymers. <i>Macromolecules</i> , 1996, 29, 5940-5947.	2.2	64
174	Isotropic and Anisotropic Composition Fluctuations Close to the Order-to-Disorder Transition in an Asymmetric Diblock Copolymer Melt Subjected to Reciprocating Shear Fields. <i>Journal De Physique II</i> , 1996, 6, 617-637.	0.9	15
175	The dynamics of symmetric polystyrene~polybutadiene diblock copolymer melts studied above and below the order~disorder transition using dynamic light scattering. <i>Journal of Chemical Physics</i> , 1996, 104, 1611-1625.	1.2	22
176	Temperature and Pressure Dependence of the Order Parameter Fluctuations, Conformational Compressibility, and the Phase Diagram of the PEP-PDMS Diblock Copolymer. <i>Physical Review Letters</i> , 1996, 77, 3153-3156.	2.9	72
177	Identification of an intermediate-segregation regime in a diblock copolymer system. <i>Europhysics Letters</i> , 1996, 36, 289-294.	0.7	37
178	Shear devices for in situ structural studies of block-copolymer melts and solutions. <i>Physica B: Condensed Matter</i> , 1995, 213-214, 682-684.	1.3	25
179	Polyisoprene-Polystyrene Diblock Copolymer Phase Diagram near the Order-Disorder Transition. <i>Macromolecules</i> , 1995, 28, 8796-8806.	2.2	965
180	Isotropic Lifshitz Behavior in Block Copolymer-Homopolymer Blends. <i>Physical Review Letters</i> , 1995, 75, 4429-4432.	2.9	112

#	ARTICLE	IF	CITATIONS
181	Variable Shear-Induced Orientation of a Diblock Copolymer Hexagonal Phase. <i>Macromolecules</i> , 1995, 28, 3008-3011.	2.2	80
182	Aggregation in Living Polymer Solutions by Light and Neutron Scattering: A Study of Model Ionomers. <i>Macromolecules</i> , 1995, 28, 4996-5005.	2.2	58
183	Laboratory-scale setup for anionic polymerization under inert atmosphere. <i>Review of Scientific Instruments</i> , 1995, 66, 1090-1095.	0.6	158
184	Order and Disorder in Symmetric Diblock Copolymer Melts. <i>Macromolecules</i> , 1995, 28, 1429-1443.	2.2	193
185	Complex layered phases in asymmetric diblock copolymers. <i>Journal De Physique II</i> , 1994, 4, 2161-2186.	0.9	33
186	Epitaxial Relationship for Hexagonal-to-Cubic Phase Transition in a Block Copolymer Mixture. <i>Physical Review Letters</i> , 1994, 73, 86-89.	2.9	254
187	Molar-mass dependence of the lamellar thickness in symmetric diblock copolymers. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1994, 16, 835-842.	0.4	2
188	Epitaxial growth and shearing of the body centered cubic phase in diblock copolymer melts. <i>Journal of Rheology</i> , 1994, 38, 999-1027.	1.3	174
189	Fluctuations, conformational asymmetry and block copolymer phase behaviour. <i>Faraday Discussions</i> , 1994, 98, 7-18.	1.6	399
190	Influence of Shear on the Hexagonal-to-Disorder Transition in a Diblock Copolymer Melt. <i>Macromolecules</i> , 1994, 27, 5934-5936.	2.2	80
191	Hydrophilic film supports. , 1994, , 872-873.		2
192	Towards a phenomenological definition of the term "gel". <i>Polymer Gels and Networks</i> , 1993, 1, 5-17.	0.6	483
193	Dynamically sheared body-centered-cubic ordered diblock copolymer melt. <i>Macromolecules</i> , 1993, 26, 4058-4060.	2.2	77
194	Hexagonal mesophases between lamellae and cylinders in a diblock copolymer melt. <i>Macromolecules</i> , 1993, 26, 5959-5970.	2.2	263
195	What is a "gel"? <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1993, 76, 49-51.	0.6	23
196	Order, disorder, and fluctuation effects in an asymmetric poly(ethylene-propylene)-poly(ethylene) diblock copolymer. <i>Journal of Chemical Physics</i> , 1992, 96, 9122-9132.	1.2	90
197	Molecular weight scaling in critical polymer mixtures. <i>Physical Review Letters</i> , 1992, 68, 2452-2455.	2.9	87
198	Correlation of binary polyolefin phase behavior with statistical segment length asymmetry. <i>Macromolecules</i> , 1992, 25, 5547-5550.	2.2	133

#	ARTICLE	IF	CITATIONS
199	Multiple ordered phases in a block copolymer melt. <i>Macromolecules</i> , 1992, 25, 1743-1751.	2.2	161
200	Order-disorder transition: diblock versus triblock copolymers. <i>Macromolecules</i> , 1992, 25, 939-943.	2.2	114
201	Lamellae orientation in dynamically sheared diblock copolymer melts. <i>Journal De Physique II</i> , 1992, 2, 1941-1959.	0.9	174
202	Squeezing Flow Properties of Polymer Melts Measured at Constant Plate Velocity. , 1992, , 952-954.		1
203	Determination of polymer melt viscosity by squeezing flow with constant plate velocity. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1991, 39, 119-136.	1.0	26
204	Gaussian- to stretched-coil transition in block copolymer melts. <i>Physical Review Letters</i> , 1990, 65, 1112-1115.	2.9	203
205	The order-disorder transition in binary mixtures of nearly symmetric diblock copolymers. <i>Macromolecules</i> , 1990, 23, 4336-4338.	2.2	38
206	Long-chain polystyrene-grafted polyethylene film matrix: a new support for solid-phase peptide synthesis. <i>Journal of the American Chemical Society</i> , 1989, 111, 8024-8026.	6.6	80
207	The Application of Runge-Kutta Integration in Digital Simulation of Electroanalytical Experiments. An Accurate Treatment of the Homogeneous Kinetics.. <i>Acta Chemica Scandinavica</i> , 1987, 41a, 423-440.	0.7	13
208	Determination of the Equilibrium Constant for the Tautomeric 9-Hydroxyanthracene/9-Anthrone System in Aprotic Solvents by a Novel Application of Cyclic Voltammetry.. <i>Acta Chemica Scandinavica</i> , 1986, 40b, 230-232.	0.7	9
209	Recent Developments in Synthesis of Model Block Copolymers Using Ionic Polymerisation. , 0, , 31-69.		6
210	High Resolution Dual Material Stereolithography for Monolithic Microdevices. <i>Advanced Materials Technologies</i> , 0, , 2101180.	3.0	2