

Kristoffer Almdal

List of Publications by Year in descending order

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210
papers

11,296
citations

34076

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214
docs citations

214
times ranked

7827
citing authors

#	ARTICLE	IF	CITATIONS
1	Polysisoprene-Polystyrene Diblock Copolymer Phase Diagram near the Order-Disorder Transition. <i>Macromolecules</i> , 1995, 28, 8796-8806.	2.2	965
2	Towards a phenomenological definition of the term "gel". <i>Polymer Gels and Networks</i> , 1993, 1, 5-17.	0.6	483
3	Fluctuations, conformational asymmetry and block copolymer phase behaviour. <i>Faraday Discussions</i> , 1994, 98, 7-18.	1.6	399
4	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
5	Polymeric Bicontinuous Microemulsions. <i>Physical Review Letters</i> , 1997, 79, 849-852.	2.9	300
6	Hexagonal mesophases between lamellae and cylinders in a diblock copolymer melt. <i>Macromolecules</i> , 1993, 26, 5959-5970.	2.2	263
7	Stability of the Perforated Layer (PL) Phase in Diblock Copolymer Melts. <i>Macromolecules</i> , 1997, 30, 3788-3795.	2.2	259
8	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
9	Elongational Viscosity of Narrow Molar Mass Distribution Polystyrene. <i>Macromolecules</i> , 2003, 36, 5174-5179.	2.2	252
10	Transformations to and from the Gyroid Phase in a Diblock Copolymer. <i>Macromolecules</i> , 1998, 31, 5702-5716.	2.2	216
11	Gaussian- to stretched-coil transition in block copolymer melts. <i>Physical Review Letters</i> , 1990, 65, 1112-1115.	2.9	203
12	Order and Disorder in Symmetric Diblock Copolymer Melts. <i>Macromolecules</i> , 1995, 28, 1429-1443.	2.2	193
13	Phase Behavior of Pure Diblocks and Binary Diblock Blends of Poly(ethylene)- <i>b</i> -Poly(ethylene). <i>Macromolecules</i> , 1996, 29, 1204-1215.	2.2	193
14	Phase Behavior of Polystyrene- <i>b</i> -Poly(2-vinylpyridine) Diblock Copolymers. <i>Macromolecules</i> , 1996, 29, 2857-2867.	2.2	182
15	Lamellae orientation in dynamically sheared diblock copolymer melts. <i>Journal De Physique II</i> , 1992, 2, 1941-1959.	0.9	174
16	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
17	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
18	Concentrated Polymer Solutions are Different from Melts: Role of Entanglement Molecular Weight. <i>Macromolecules</i> , 2013, 46, 5026-5035.	2.2	167

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19	Can a single function for χ account for block copolymer and homopolymer blend phase behavior?. <i>Journal of Chemical Physics</i> , 1998, 108, 2989-3000.	1.2	166
20	Multiple ordered phases in a block copolymer melt. <i>Macromolecules</i> , 1992, 25, 1743-1751.	2.2	161
21	Evaluating Nanoparticle Sensor Design for Intracellular pH Measurements. <i>ACS Nano</i> , 2011, 5, 5864-5873.	7.3	161
22	Model Bicontinuous Microemulsions in Ternary Homopolymer/Block Copolymer Blends. <i>Journal of Physical Chemistry B</i> , 1999, 103, 4814-4824.	1.2	159
23	Laboratory-scale setup for anionic polymerization under inert atmosphere. <i>Review of Scientific Instruments</i> , 1995, 66, 1090-1095.	0.6	158
24	Complex Phase Behavior in Solvent-Free Nonionic Surfactants. <i>Science</i> , 1996, 271, 976-978.	6.0	145
25	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
26	Correlation of binary polyolefin phase behavior with statistical segment length asymmetry. <i>Macromolecules</i> , 1992, 25, 5547-5550.	2.2	133
27	Transition Mechanisms for Complex Ordered Phases in Block Copolymer Melts. <i>Journal of Physical Chemistry B</i> , 1998, 102, 1356-1363.	1.2	115
28	Order-disorder transition: diblock versus triblock copolymers. <i>Macromolecules</i> , 1992, 25, 939-943.	2.2	114
29	Isotropic Lifshitz Behavior in Block Copolymer-Homopolymer Blends. <i>Physical Review Letters</i> , 1995, 75, 4429-4432.	2.9	112
30	Structure of PS-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
31	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
32	Large-area nanopatterned graphene for ultrasensitive gas sensing. <i>Nano Research</i> , 2014, 7, 743-754.	5.8	91
33	Order, disorder, and fluctuation effects in an asymmetric poly(ethylene- <i>co</i> -propylene)- <i>co</i> -poly(ethylene) diblock copolymer. <i>Journal of Chemical Physics</i> , 1992, 96, 9122-9132.	1.2	90
34	Hansen solubility parameters for a carbon fiber/epoxy composite. <i>Carbon</i> , 2007, 45, 2859-2865.	5.4	89
35	Molecular weight scaling in critical polymer mixtures. <i>Physical Review Letters</i> , 1992, 68, 2452-2455.	2.9	87
36	Process Optimization of Ultrasonic Spray Coating of Polymer Films. <i>Langmuir</i> , 2013, 29, 6911-6919.	1.6	82

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37	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
38	Influence of Shear on the Hexagonal-to-Disorder Transition in a Diblock Copolymer Melt. <i>Macromolecules</i> , 1994, 27, 5934-5936.	2.2	80
39	Variable Shear-Induced Orientation of a Diblock Copolymer Hexagonal Phase. <i>Macromolecules</i> , 1995, 28, 3008-3011.	2.2	80
40	Dynamically sheared body-centered-cubic ordered diblock copolymer melt. <i>Macromolecules</i> , 1993, 26, 4058-4060.	2.2	77
41	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
42	Nonlinear Branch-Point Dynamics of Multiarm Polystyrene. <i>Macromolecules</i> , 2006, 39, 8844-8853.	2.2	76
43	Chemical degradation of fluoroelastomer in an alkaline environment. <i>Polymer Degradation and Stability</i> , 2004, 83, 195-206.	2.7	75
44	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
45	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
46	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
47	Expanding the dynamic measurement range for polymeric nanoparticle pH sensors. <i>Chemical Communications</i> , 2011, 47, 5268.	2.2	64
48	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
49	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
50	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
51	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
52	Influence of Conformational Asymmetry on Polymer-Polymer Interactions: An Entropic or Enthalpic Effect?. <i>Macromolecules</i> , 2002, 35, 7685-7691.	2.2	56
53	Aquaporin-Based Biomimetic Polymeric Membranes: Approaches and Challenges. <i>Membranes</i> , 2015, 5, 307-351.	1.4	54
54	Phase continuity and inversion in polystyrene/poly(methyl methacrylate) blends. <i>Polymer</i> , 2003, 44, 481-493.	1.8	53

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55	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
56	Phase Behavior of Isotactic Polypropylene~Poly(ethylene/ethylethylene) Random Copolymer Blends. <i>Macromolecules</i> , 1997, 30, 3650-3657.	2.2	50
57	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
58	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
59	Dynamics of ternary polymer blends: Disordered, ordered and bicontinuous microemulsion phases. <i>Faraday Discussions</i> , 1999, 112, 335-350.	1.6	48
60	Conifer fibers as reinforcing materials for polypropylene-based composites. <i>Journal of Applied Polymer Science</i> , 2001, 80, 2833-2841.	1.3	47
61	Shear-Induced Nano-Macro Structural Transition in a Polymeric Bicontinuous Microemulsion. <i>Physical Review Letters</i> , 2001, 87, 098301.	2.9	46
62	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
63	Phosphate Sensing by Fluorescent Reporter Proteins Embedded in Polyacrylamide Nanoparticles. <i>ACS Nano</i> , 2008, 2, 19-24.	7.3	44
64	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
65	Shear-induced ordering kinetics of a triblock copolymer melt. <i>Journal of Chemical Physics</i> , 1998, 108, 326-333.	1.2	40
66	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
67	Surface morphology of PS~PDMS diblock copolymer films. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 121, 93-110.	0.8	40
68	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
69	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
70	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
71	The order-disorder transition in binary mixtures of nearly symmetric diblock copolymers. <i>Macromolecules</i> , 1990, 23, 4336-4338.	2.2	38
72	Selecting analytical tools for characterization of polymersomes in aqueous solution. <i>RSC Advances</i> , 2015, 5, 79924-79946.	1.7	38

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73	Identification of an intermediate-segregation regime in a diblock copolymer system. <i>Europhysics Letters</i> , 1996, 36, 289-294.	0.7	37
74	Influence of shear on a lamellar triblock copolymer near the order–disorder transition. <i>Journal of Rheology</i> , 1997, 41, 1147-1171.	1.3	37
75	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
76	Abnormal Pressure Dependence of the Phase Boundaries in PEE–PDMS and PEP–PDMS Binary Homopolymer Blends and Diblock Copolymers. <i>Macromolecules</i> , 2001, 34, 1694-1706.	2.2	34
77	Stress and neutron scattering measurements on linear polymer melts undergoing steady elongational flow. <i>Rheologica Acta</i> , 2012, 51, 385-394.	1.1	34
78	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
79	Complex layered phases in asymmetric diblock copolymers. <i>Journal De Physique II</i> , 1994, 4, 2161-2186.	0.9	33
80	Thermal behavior and properties of polystyrene/poly(methyl methacrylate) blends. <i>Journal of Applied Polymer Science</i> , 2004, 91, 609-620.	1.3	33
81	Shear-Induced Single Crystalline Mesophases in Physical Networks of Gel-Forming Triblock Copolymer Solutions. <i>Macromolecules</i> , 1997, 30, 7012-7014.	2.2	32
82	End Effects in Poly(styrene)/Poly(ethylene oxide) Copolymers. <i>Macromolecules</i> , 2001, 34, 1096-1104.	2.2	32
83	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
84	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
85	Lubricating Effect of Thin Films of Styrene–Dimethylsiloxane Block Copolymers. <i>Langmuir</i> , 1999, 15, 3859-3865.	1.6	31
86	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
87	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
88	Blends of AB/BC Diblock Copolymers with a Large Interaction Parameter χ . <i>Macromolecules</i> , 2001, 34, 4907-4916.	2.2	29
89	Hydrolysis and stability of thin pulsed plasma polymerised maleic anhydride coatings. <i>Applied Surface Science</i> , 2008, 254, 4720-4725.	3.1	28
90	Experimental demonstration of graphene plasmons working close to the near-infrared window. <i>Optics Letters</i> , 2016, 41, 5345.	1.7	28

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91	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
92	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
93	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
94	Isoenergetic modification of whey protein structure by denaturation and crosslinking using transglutaminase. <i>Food and Function</i> , 2018, 9, 797-805.	2.1	24
95	Effect of alginate size, mannuronic/guluronic acid content and pH on particle size, thermodynamics and composition of complexes with I ² -lactoglobulin. <i>Food Hydrocolloids</i> , 2018, 75, 157-163.	5.6	24
96	Flexible and Green Electronics Manufactured by Origami Folding of Nanosilicate-Reinforced Cellulose Paper. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48027-48039.	4.0	24
97	What is a "gel"? <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1993, 76, 49-51.	0.6	23
98	Self-Diffusion of a Symmetric PEP- <i>b</i> -PDMS Diblock Copolymer above and below the Disorder-to-Order Transition. <i>Macromolecules</i> , 1999, 32, 1956-1961.	2.2	23
99	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
100	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
101	The dynamics of symmetric polystyrene- <i>b</i> -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
102	Anisotropic Self-Diffusion in a Hexagonally Ordered Asymmetric PEP- <i>b</i> -PDMS Diblock Copolymer Studied by Pulsed Field Gradient NMR. <i>Macromolecules</i> , 1999, 32, 5872-5877.	2.2	22
103	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
104	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
105	Structures of PEP- <i>b</i> -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
106	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
107	Stiffness control in dual color tomographic volumetric 3D printing. <i>Nature Communications</i> , 2022, 13, 367.	5.8	21
108	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

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109	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
110	Synthesis and characterization of ratiometric nanosensors for pH quantification: a mixed micelle approach. <i>Chemical Communications</i> , 2012, 48, 4776.	2.2	20
111	Multimaterial hydrogel with widely tunable elasticity by selective photopolymerization of PEG diacrylate and epoxy monomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1195-1201.	2.4	20
112	Revealing the Dimeric Crystal and Solution Structure of \hat{I}^2 -Lactoglobulin at pH 4 and Its pH and Salt Dependent Monomer-Dimer Equilibrium. <i>Biomacromolecules</i> , 2018, 19, 2905-2912.	2.6	20
113	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
114	Micromechanical String Resonators: Analytical Tool for Thermal Characterization of Polymers. <i>ACS Macro Letters</i> , 2014, 3, 55-58.	2.3	19
115	Stress relaxation of bi-disperse polystyrene melts. <i>Rheologica Acta</i> , 2016, 55, 303-314.	1.1	19
116	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
117	Reevaluation of Poly(ethylene- <i>alt</i> -propylene)-block-Polydimethylsiloxane Phase Behavior Uncovers Topological Close-Packing and Epitaxial Quasicrystal Growth. <i>ACS Nano</i> , 2021, 15, 9453-9468.	7.3	19
118	Stabilization of metastable tetragonal zirconia nanocrystallites by surface modification. <i>Journal of Materials Science</i> , 2011, 46, 1824-1829.	1.7	18
119	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
120	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
121	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
122	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
123	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
124	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
125	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
126	3D microstructuring of biodegradable polymers. <i>Microelectronic Engineering</i> , 2011, 88, 2342-2344.	1.1	15

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127	Synthesis and characterization of ferrocene containing block copolymers. Journal of Polymer Science Part A, 2017, 55, 495-503.	2.5	15
128	DOPO-UVTS-based coatings in the realm of fire retardants for cotton textile. Journal of Applied Polymer Science, 2015, 132, .	1.3	14
129	Characterization of biaxial strain of poly(L-lactide) tubes. Polymer International, 2016, 65, 133-141.	1.6	14
130	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
131	Diffusion rate of hydrogen peroxide through water-swelled polyurethane membranes. Sensing and Bio-Sensing Research, 2018, 21, 35-39.	2.2	14
132	Structural determination of ethylene-propylene diene rubber (EPDM) containing high degree of controlled long-chain branching. Journal of Applied Polymer Science, 2009, 113, 2962-2972.	1.3	13
133	Characterization of thin gelatin hydrogel membranes with balloon properties for dynamic tissue engineering. Biopolymers, 2019, 110, e23241.	1.2	13
134	The Application of Runge-Kutta Integration in Digital Simulation of Electroanalytical Experiments. An Accurate Treatment of the Homogeneous Kinetics.. Acta Chemica Scandinavica, 1987, 41a, 423-440.	0.7	13
135	The bulk dynamics of a compositionally asymmetric diblock copolymer studied using dynamic light scattering. European Physical Journal E, 2000, 1, 275.	0.7	12
136	Influence of diblock copolymer on the morphology and properties of polystyrene/poly(dimethylsiloxane) blends. Journal of Applied Polymer Science, 2004, 92, 2747-2757.	1.3	12
137	Nematic effects and strain coupling in entangled polymer melts under strong flow. Physical Review E, 2016, 94, 020502.	0.8	12
138	Photocatalytic Nanostructuring of Graphene Guided by Block Copolymer Self-Assembly. ACS Applied Materials & Interfaces, 2016, 8, 8329-8334.	4.0	12
139	Molecular weight-dependent degradation and drug release of surface-eroding poly(ethylene Terephthalate) / Overlock 10	0.784314	12
140	Electret stability related to the crystallinity in polypropylene. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 3038-3046.	1.8	12
141	Networks of gel-forming triblock copolymer solutions: In situ SANS and rheological measurements. Physica B: Condensed Matter, 1997, 241-243, 1025-1028.	1.3	11
142	Unexpected phase behavior of an asymmetric diblock copolymer. Journal of Chemical Physics, 1999, 111, 4319-4326.	1.2	11
143	Dynamic Light Scattering from the Oriented Lamellar State of Diblock Copolymers: The Undulation Mode. Macromolecules, 2001, 34, 1090-1095.	2.2	11
144	Electret stability related to spherulites in polypropylene. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 2858-2863.	1.8	11

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145	Revealing the Compact Structure of Lactic Acid Bacterial Heteroexopolysaccharides by SAXS and DLS. <i>Biomacromolecules</i> , 2017, 18, 747-756.	2.6	11
146	Structural Studies of Three-Arm Star Block Copolymers Exposed to Extreme Stretch Suggests a Persistent Polymer Tube. <i>Physical Review Letters</i> , 2018, 120, 207801.	2.9	11
147	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
148	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
149	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
150	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
151	Mechanical properties of biaxially strained poly(ϵ -lactide) tubes: Strain rate and temperature dependence. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45192.	1.3	10
152	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
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