

Redouane Borsali

List of Publications by Year in descending order

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241
papers

8,276
citations

38742
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69250
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246
all docs

246
docs citations

246
times ranked

9051
citing authors

#	ARTICLE	IF	CITATIONS
1	Lewis adduct approach for self-assembled block copolymer perovskite quantum dots composite toward optoelectronic application: Challenges and prospects. Chemical Engineering Journal, 2022, 431, 133701.	12.7	19
2	Self-assembly of carbohydrate-based block copolymer systems: glyconanoparticles and highly nanostructured thin films. Polymer Journal, 2022, 54, 455-464.	2.7	9
3	Unidirectional Perpendicularly Aligned Lamella-Structured Oligosaccharide (A) ABA Triblock Elastomer (B) Thin Films Utilizing Triazolium ⁺ /TFSI ⁻ Ionic Nanochannels. ACS Macro Letters, 2022, 11, 140-148.	4.8	3
4	Trialkoxyheptazine-Based Glyconanoparticles for Fluorescence in Aqueous Solutions and on Surfaces via Controlled Binding in Space. ACS Macro Letters, 2022, 11, 135-139.	4.8	4
5	Organic β -cyclodextrin Nanoparticle: An Efficient Building Block Between Functionalized Poly(pyrrole) Electrodes and Enzymes. Small, 2022, 18, e2105880.	10.0	4
6	Sequential Infiltration Synthesis into Maltoheptaose and Poly(styrene): Implications for Sub-10 nm Pattern Transfer. Polymers, 2022, 14, 654.	4.5	1
7	Silk fibroin nanofibers containing chondroitin sulfate and silver sulfadiazine for wound healing treatment. Journal of Drug Delivery Science and Technology, 2022, 70, 103221.	3.0	6
8	Biodegradable Nanoparticles Loaded with Levodopa and Curcumin for Treatment of Parkinson's Disease. Molecules, 2022, 27, 2811.	3.8	16
9	Fabrication of Ultrafine, Highly Ordered Nanostructures Using Carbohydrate-Inorganic Hybrid Block Copolymers. Nanomaterials, 2022, 12, 1653.	4.1	2
10	Harnessing of Spatially Confined Perovskite Nanocrystals Using Polysaccharide-based Block Copolymer Systems. ACS Applied Materials & Interfaces, 2022, 14, 30279-30289.	8.0	5
11	Carbohydrate-attached fullerene derivative for selective localization in ordered carbohydrate-block-poly(3-hexylthiophene) nanodomains. Carbohydrate Polymers, 2021, 255, 117528.	10.2	4
12	Sequential infiltration synthesis and pattern transfer using 6 nm half-pitch carbohydrate-based fingerprint block copolymer. , 2021, , .		1
13	Functionalizable Glyconanoparticles for a Versatile Redox Platform. Nanomaterials, 2021, 11, 1162.	4.1	5
14	Poly(styrene)- <i>block</i> -Maltoheptaose Films for Sub-10 nm Pattern Transfer: Implications for Transistor Fabrication. ACS Applied Nano Materials, 2021, 4, 5141-5151.	5.0	7
15	Design and Characterization of Maltoheptaose- <i>b</i> -Polystyrene Nanoparticles, as a Potential New Nanocarrier for Oral Delivery of Tamoxifen. Molecules, 2021, 26, 6507.	3.8	4
16	Oil removal from crude oil-in-saline water emulsions using chitosan as biosorbent. Separation Science and Technology, 2020, 55, 835-847.	2.5	18
17	Competing Molecular Packing of Blocks in a Lamella-Forming Carbohydrate- <i>block</i> -poly(3-hexylthiophene) Copolymer. Macromolecules, 2020, 53, 9054-9064.	4.8	8
18	Rapid access to discrete and monodisperse block co-oligomers from sugar and terpenoid toward ultrasmall periodic nanostructures. Communications Chemistry, 2020, 3, .	4.5	19

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19	Drug carrier systems made from self-assembled glyco-nanoparticles of maltoheptaose-b-polyisoprene enhanced the distribution and activity of curcumin against cancer cells. Journal of Molecular Liquids, 2020, 309, 113022.	4.9	11
20	Carbohydrates as Hard Segments for Sustainable Elastomers: Carbohydrates Direct the Self-Assembly and Mechanical Properties of Fully Bio-Based Block Copolymers. Macromolecules, 2020, 53, 5408-5417.	4.8	24
21	Sweet Pluronic poly(propylene oxide)-b-oligosaccharide block copolymer systems: Toward sub-4Ånm thin-film nanopattern resolution. European Polymer Journal, 2020, 134, 109831.	5.4	8
22	High-Resolution Patterned Biobased Thin Films via Self-Assembled Carbohydrate Block Copolymers and Nanocellulose. Advanced Materials Interfaces, 2020, 7, 1901737.	3.7	9
23	Improving the Performance and Stability of Perovskite Light-Emitting Diodes by a Polymeric Nanothick Interlayer-Assisted Grain Control Process. ACS Omega, 2020, 5, 8972-8981.	3.5	23
24	An intrinsically stretchable and ultrasensitive nanofiber-based resistive pressure sensor for wearable electronics. Journal of Materials Chemistry C, 2020, 8, 5361-5369.	5.5	44
25	Nanostructure- and Orientation-Controlled Resistive Memory Behaviors of Carbohydrate- <i>b</i> -Polystyrene with Different Molecular Weights via Solvent Annealing. ACS Applied Materials & Interfaces, 2020, 12, 23217-23224.	8.0	16
26	Reliability of organic light-emitting diodes in low-temperature environment*. Chinese Physics B, 2020, 29, 128503.	1.4	4
27	Robust Sub-10 nm Pattern of Standing Sugar Cylinders via Rapid "Microwave Cooking". Macromolecules, 2019, 52, 8751-8758.	4.8	10
28	A mechanically robust silver nanowire-polydimethylsiloxane electrode based on facile transfer printing techniques for wearable displays. Nanoscale, 2019, 11, 1520-1530.	5.6	70
29	Microphase separation of carbohydrate-based star-block copolymers with sub-10 nm periodicity. Polymer Chemistry, 2019, 10, 1119-1129.	3.9	29
30	Self-assembly of copper-free maltoheptaose-block-polystyrene nanostructured thin films in real and reciprocal space. Carbohydrate Polymers, 2019, 212, 222-228.	10.2	8
31	3. Electrospun biomaterials. , 2019, , 45-58.		1
32	Improving performance of Cs-based perovskite light-emitting diodes by dual additives consisting of polar polymer and n-type small molecule. Organic Electronics, 2019, 67, 294-301.	2.6	30
33	Solubilized Enzymatic Fuel Cell (SEFC) for Quasi-Continuous Operation Exploiting Carbohydrate Block Copolymer Glyconanoparticle Mediators. ACS Energy Letters, 2019, 4, 142-148.	17.4	21
34	(Invited) Redox Active Metallic and Glyco-Based Nanoparticles for Enzymatic Bioelectrocatalysis. ECS Meeting Abstracts, 2019, , .	0.0	0
35	Synthesis and characterization of carboxymethylcellulose grafted with thermoresponsive side chains of high LCST: The high temperature and high salinity self-assembly dependence. Carbohydrate Polymers, 2018, 184, 108-117.	10.2	33
36	Highly Ordered Cylinder Morphologies with 10 nm Scale Periodicity in Biomass-Based Block Copolymers. Macromolecules, 2018, 51, 428-437.	4.8	23

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37	Thermally deposited silk fibroin as the gate dielectric layer in organic thin-film transistors based on conjugated polymer. <i>Reactive and Functional Polymers</i> , 2018, 131, 368-377.	4.1	12
38	Fluorescence properties of curcumin-loaded nanoparticles for cell tracking. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 5823-5836.	6.7	34
39	Chain-End Functionalization with a Saccharide for 10 nm Microphase Separation: "Classical" PS- <i>b</i> -PMMA versus PS- <i>b</i> -PMMA-Saccharide. <i>Macromolecules</i> , 2018, 51, 8870-8877.	4.8	25
40	Control over Molecular Architectures of Carbohydrate-Based Block Copolymers for Stretchable Electrical Memory Devices. <i>Macromolecules</i> , 2018, 51, 4966-4975.	4.8	32
41	Conception of Stretchable Resistive Memory Devices Based on Nanostructure-Controlled Carbohydrate- <i>b</i> -Polyisoprene Block Copolymers. <i>Advanced Functional Materials</i> , 2017, 27, 1606161.	14.9	76
42	Self-assembly of maltoheptaose- <i>b</i> -PMMA block copolymer systems: 10 nm Resolution in thin film and bulk states. <i>Carbohydrate Polymers</i> , 2017, 170, 15-22.	10.2	7
43	RGB-Switchable Porous Electrospun Nanofiber Chemoprobe-Filter Prepared from Multifunctional Copolymers for Versatile Sensing of pH and Heavy Metals. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 16381-16396.	8.0	61
44	UV-responsive amphiphilic graft copolymers based on coumarin and polyoxazoline. <i>Soft Matter</i> , 2017, 13, 4507-4519.	2.7	13
45	Self-Assembly of Carbohydrate- <i>b</i> -Poly(3-hexylthiophene) Diblock Copolymers into Sub-10 nm Scale Lamellar Structures. <i>Macromolecules</i> , 2017, 50, 3365-3376.	4.8	39
46	Redox-Active Glyconanoparticles as Electron Shuttles for Mediated Electron Transfer with Bilirubin Oxidase in Solution. <i>Journal of the American Chemical Society</i> , 2017, 139, 16076-16079.	13.7	29
47	Hemicellulosic Polysaccharides Mimics: Synthesis of Tailored Bottlebrush-Like Xyloglucan Oligosaccharide Glycopolymers as Binders of Nanocrystalline Cellulose. <i>Biomacromolecules</i> , 2017, 18, 3410-3417.	5.4	8
48	Carbohydrate-based block copolymer systems: directed self-assembly for nanolithography applications. <i>Soft Matter</i> , 2017, 13, 7406-7411.	2.7	16
49	Carbohydrate-Based Block Copolymer Thin Films: Ultrafast Nano-Organization with 7 nm Resolution Using Microwave Energy. <i>Advanced Materials</i> , 2017, 29, 1701645.	21.0	33
50	Novel hybrid block copolymer nanocarrier systems to load lipophilic drugs prepared by microphase inversion method. <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	3
51	Tunable amphiphilic graft copolymers bearing fatty chains and polyoxazoline: synthesis and self-assembly behavior in solution. <i>Polymer Chemistry</i> , 2017, 8, 4246-4263.	3.9	16
52	A versatile nanoarray electrode produced from block copolymer thin films for specific detection of proteins. <i>Polymer</i> , 2017, 123, 128-136.	3.8	10
53	Simple fabrication of cellulose nanofibers via electrospinning of dissolving pulp and tunicate. <i>Cellulose</i> , 2017, 24, 3281-3288.	4.9	23
54	Novel Magnet and Thermoresponsive Chemosensory Electrospinning Fluorescent Nanofibers and Their Sensing Capability for Metal Ions. <i>Polymers</i> , 2017, 9, 136.	4.5	21

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55	Preparation of Polymeric Micelles of Poly(Ethylene Oxide-b-Lactic Acid) and their Encapsulation With Lavender Oil. <i>Materials Research</i> , 2016, 19, 1356-1365.	1.3	15
56	Self-Assembly of Oligosaccharide- <i>b</i> -PMMA Block Copolymer Systems: Glyco-Nanoparticles and Their Degradation under UV Exposure. <i>Langmuir</i> , 2016, 32, 4538-4545.	3.5	12
57	Generating nanoparticles containing a new 4-nitrobenzaldehyde thiosemicarbazone compound with antileishmanial activity. <i>Materials Science and Engineering C</i> , 2016, 69, 1159-1166.	7.3	8
58	Redox tunable delivery systems: sweet block copolymer micelles via thiolâ€“(bromo)maleimide conjugation. <i>Chemical Communications</i> , 2016, 52, 12202-12205.	4.1	13
59	Redox-Active Carbohydrate-Coated Nanoparticles: Self-Assembly of a Cyclodextrinâ€“Polystyrene Glycopolymer with Tetrazineâ€“Naphthalimide. <i>Langmuir</i> , 2016, 32, 11939-11945.	3.5	21
60	Self-Assembly of Maltoheptaose- <i>block</i> -polycaprolactone Copolymers: Carbohydrate-Decorated Nanoparticles with Tunable Morphology and Size in Aqueous Media. <i>Macromolecules</i> , 2016, 49, 4178-4194.	4.8	29
61	4-Nitrobenzaldehyde thiosemicarbazone: a new compound derived from <i>S</i> -(-)-limonene that induces mitochondrial alterations in epimastigotes and trypomastigotes of <i>Trypanosoma cruzi</i> . <i>Parasitology</i> , 2015, 142, 978-988.	1.5	20
62	Field-Effect Transistors: Oligosaccharide Carbohydrate Dielectrics toward High-Performance Non-volatile Transistor Memory Devices (<i>Adv. Mater.</i> 40/2015). <i>Advanced Materials</i> , 2015, 27, 6256-6256.	21.0	0
63	Maltoheptaose-conjugated Thermoresponsive Block Copolymer: Precision Synthesis through RAFT Polymerization of <i>N,N</i> -Diethylacrylamide. <i>Chemistry Letters</i> , 2015, 44, 428-430.	1.3	1
64	Sub-20 nm Microphase-Separated Structures in Hybrid Block Copolymers Consisting of Polycaprolactone and Maltoheptaose. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2015, 28, 635-642.	0.3	8
65	Oligosaccharide Carbohydrate Dielectrics toward High-Performance Non-volatile Transistor Memory Devices. <i>Advanced Materials</i> , 2015, 27, 6257-6264.	21.0	61
66	Synthesis of maltopentaose-conjugated surface-active styrenic monomers and their micellar homopolymerization in water. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1671-1679.	2.3	6
67	Glycopolymers as Antiadhesives of <i>E. coli</i> Strains Inducing Inflammatory Bowel Diseases. <i>Biomacromolecules</i> , 2015, 16, 1827-1836.	5.4	58
68	Glyco-Nanoparticles Made from Self-Assembly of Maltoheptaose- <i>block</i> -Poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td	3.4	34
69	Sub-10 nm Scale Nanostructures in Self-Organized Linear Di- and Triblock Copolymers and Miktoarm Star Copolymers Consisting of Maltoheptaose and Polystyrene. <i>Macromolecules</i> , 2015, 48, 1509-1517.	4.8	51
70	Oligosaccharide-based block copolymers: Metal-free thiolâ€“maleimide click conjugation and self-assembly into nanoparticles. <i>Carbohydrate Polymers</i> , 2015, 124, 109-116.	10.2	15
71	Nanoparticles Made From Xyloglucan-Block-Polycaprolactone Copolymers: Safety Assessment for Drug Delivery. <i>Toxicological Sciences</i> , 2015, 147, 104-115.	3.1	61
72	PS- <i>b</i> -PAA nanovesicles coated by modified PEIs bearing hydrophobic and hydrophilic groups. <i>Journal of Molecular Liquids</i> , 2015, 210, 29-36.	4.9	9

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73	A slow-release system of bacterial cellulose gel and nanoparticles for hydrophobic active ingredients. <i>International Journal of Pharmaceutics</i> , 2015, 486, 217-225.	5.2	55
74	Photodimerization as an alternative to photocrosslinking of nanoparticles: proof of concept with amphiphilic linear polyoxazoline bearing coumarin unit. <i>Polymer Chemistry</i> , 2015, 6, 6029-6039.	3.9	25
75	Curcumin-Loaded Chitosan-Coated Nanoparticles as a New Approach for the Local Treatment of Oral Cavity Cancer. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 781-791.	0.9	67
76	Synthesis of Amphiphilic Polymers Based on Fatty Acids and Glycerolâ€Derived Monomers â€ A Study of Their Selfâ€Assembly in Water. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 131-139.	2.2	17
77	Mucoadhesive Films Containing Chitosanâ€Coated Nanoparticles: A New Strategy for Buccal Curcumin Release. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 3764-3771.	3.3	81
78	Memory: Highâ€Performance Nonvolatile Transistor Memories of Pentacene Using the Green Electrets of Sugarâ€based Block Copolymers and Their Supramolecules (Adv. Funct. Mater. 27(2014)). <i>Advanced Functional Materials</i> , 2014, 24, 4198-4198.	14.9	1
79	Maltopentaose-Conjugated CTA for RAFT Polymerization Generating Nanostructured Bioresource-Block Copolymer. <i>Biomacromolecules</i> , 2014, 15, 4509-4519.	5.4	18
80	On the Mucoadhesive Properties of Chitosan-Coated Polycaprolactone Nanoparticles Loaded with Curcumin Using Quartz Crystal Microbalance with Dissipation Monitoring. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 787-794.	1.1	39
81	Cell death and ultrastructural alterations in <i>Leishmania amazonensis</i> caused by new compound 4-Nitrobenzaldehyde thiosemicarbazone derived from S-limonene. <i>BMC Microbiology</i> , 2014, 14, 236.	3.3	58
82	Transition from star-like to crew-cut micelles induced by UV radiation. <i>Journal of Colloid and Interface Science</i> , 2014, 416, 54-58.	9.4	2
83	Chitosan-decorated polystyrene-b-poly(acrylic acid) polymersomes as novel carriers for topical delivery of finasteride. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 52, 165-172.	4.0	56
84	Highâ€Performance Nonvolatile Transistor Memories of Pentacene Using the Green Electrets of Sugarâ€based Block Copolymers and Their Supramolecules. <i>Advanced Functional Materials</i> , 2014, 24, 4240-4249.	14.9	95
85	Self-assembly of phosphorous containing oligomers: morphological features and pH-sensitiveness in suspension. <i>Soft Matter</i> , 2014, 10, 7545-7557.	2.7	5
86	Synthesis of fatty phosphonic acid based polymethacrylamide by RAFT polymerization and self-assembly in solution. <i>Polymer Chemistry</i> , 2014, 5, 2756-2767.	3.9	13
87	Xyloglucanâ€blockâ€Poly(Îµâ€Caprolactone) Copolymer Nanoparticles Coated with Chitosan as Biocompatible Mucoadhesive Drug Delivery System. <i>Macromolecular Bioscience</i> , 2014, 14, 709-719.	4.1	31
88	Synthesis, micellization and lectin binding of new glycosurfactants. <i>Carbohydrate Research</i> , 2014, 397, 31-36.	2.3	14
89	Sulfated Glycosaminoglycan-Based Block Copolymer: Preparation of Biocompatible Chondroitin Sulfate- <i>b</i> -poly(lactic acid) Micelles. <i>Biomacromolecules</i> , 2014, 15, 2691-2700.	5.4	35
90	Amphiphilic copolymers based on polyoxazoline and grape seed vegetable oil derivatives: self-assemblies and dynamic light scattering. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	15

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91	Property evaluations of dry-cast reconstituted bacterial cellulose/tamarind xyloglucan biocomposites. Carbohydrate Polymers, 2013, 93, 144-153.	10.2	42
92	Synthesis and Stereocomplex Formation of Star-Shaped Stereoblock Polylactides Consisting of Poly(<sc>l</sc>-lactide) and Poly(<sc>d</sc>-lactide) Arms. Macromolecules, 2013, 46, 8509-8518.	4.8	103
93	Preparation and enzymatic hydrolysis of nanoparticles made from single xyloglucan polysaccharide chain. Carbohydrate Polymers, 2013, 94, 934-939.	10.2	20
94	Xyloglucan-based diblock co-oligomer: Synthesis, self-assembly and steric stabilization of proteins. Carbohydrate Polymers, 2013, 98, 1272-1280.	10.2	15
95	Control of 10 nm scale cylinder orientation in self-organized sugar-based block copolymer thin films. Nanoscale, 2013, 5, 2637.	5.6	53
96	Synthesis and self-assembly of amphiphilic polymers based on polyoxazoline and vegetable oil derivatives. Polymer Chemistry, 2013, 4, 1445-1458.	3.9	24
97	Synthesis and Characterization of Solvent-Invertible Amphiphilic Hollow Particles. Langmuir, 2013, 29, 7583-7590.	3.5	11
98	Self-Assembly of Maltoheptaose-<i>block</i>-Polystyrene into Micellar Nanoparticles and Encapsulation of Gold Nanoparticles. Langmuir, 2013, 29, 15224-15230.	3.5	30
99	Synthesis, Self-Assembly, and Thermal Caramelization of Maltoheptaose-Conjugated Polycaprolactones Leading to Spherical, Cylindrical, and Lamellar Morphologies. Macromolecules, 2013, 46, 8932-8940.	4.8	52
100	Sub-10 nm Nano-Organization in AB₂- and AB₃-Type Miktoarm Star Copolymers Consisting of Maltoheptaose and Polycaprolactone. Macromolecules, 2013, 46, 1461-1469.	4.8	90
101	Block copolymer technology applied to nanoelectronics. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1195-1206.	0.8	10
102	Polyelectrolyte and Non-Polyelectrolyte Polyacrylamide Copolymer Solutions: the Role of Salt on the Intra- and Intermolecular Interactions. Journal of the Brazilian Chemical Society, 2013, , .	0.6	0
103	Poly(ethylene glycol) Hydroxystearate-Based Nanosized Emulsions: Effect of Surfactant Concentration on Their Formation and Ability to Solubilize Quercetin. Journal of Biomedical Nanotechnology, 2012, 8, 202-210.	1.1	26
104	10 nm Scale Cylinderâ€Cubic Phase Transition Induced by Caramelization in Sugar-Based Block Copolymers. ACS Macro Letters, 2012, 1, 1379-1382.	4.8	55
105	Thermoresponsive Self-Assemblies of Cyclic and Branched Oligosaccharide-<i>block</i>-poly(<i>N</i>-isopropylacrylamide) Diblock Copolymers into Nanoparticles. Biomacromolecules, 2012, 13, 1458-1465.	5.4	41
106	Sweet Block Copolymer Nanoparticles: Preparation and Self-Assembly of Fully Oligosaccharide-Based Amphiphile. Biomacromolecules, 2012, 13, 1129-1135.	5.4	45
107	Self-Assembly of Amphiphilic Glycoconjugates into Lectin-Adhesive Nanoparticles. Langmuir, 2012, 28, 1418-1426.	3.5	36
108	Nanostructure of polystyrene- <i>b</i> -poly(2-hydroxyethyl methacrylate) and derivatives with phosphonic diacid groups. Journal of the Brazilian Chemical Society, 2012, 23, 747-752.	0.6	3

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109	Physicochemical and morphological characterizations of glyceryl tristearate/castor oil nanocarriers prepared by the solvent diffusion method. Journal of the Brazilian Chemical Society, 2012, 23, 1972-1981.	0.6	10
110	Oligosaccharide/Silicon-Containing Block Copolymers with 5 nm Features for Lithographic Applications. ACS Nano, 2012, 6, 3424-3433.	14.6	194
111	Elaboration of chitosan-coated nanoparticles loaded with curcumin for mucoadhesive applications. Journal of Colloid and Interface Science, 2012, 370, 58-66.	9.4	145
112	Nano-Organization of Amylose- <i>b</i> -Polystyrene Block Copolymer Films Doped with Bipyridine. Langmuir, 2011, 27, 4098-4103.	3.5	56
113	Nanostructured Films Made from Zwitterionic Phosphorylcholine Diblock Copolymer Systems. Macromolecules, 2011, 44, 2240-2244.	4.8	6
114	Self-assembled carbohydrate-based micelles for lectin targeting. Soft Matter, 2011, 7, 3453.	2.7	23
115	Solution properties of a hydrophobically associating polyacrylamide and its polyelectrolyte derivatives determined by light scattering, small angle x-ray scattering and viscometry. Journal of the Brazilian Chemical Society, 2011, 22, 489-500.	0.6	11
116	Synthesis of star poly(N-isopropylacrylamide) by β -cyclodextrin core initiator via ATRP approach in water. Reactive and Functional Polymers, 2011, 71, 1160-1165.	4.1	11
117	Phase Separation Kinetics and Mechanism in a Methylcellulose/Salt Aqueous Solution Studied by Time-Resolved Small-Angle Light Scattering (SALS). Macromolecular Chemistry and Physics, 2011, 212, 1063-1071.	2.2	27
118	Fluorescent Vesicles Consisting of Galactose-based Amphiphilic Copolymers with a Conjugated Sequence Self-Assembled in Water. Macromolecular Rapid Communications, 2011, 32, 912-916.	3.9	22
119	Evaluation of DNA damage and cytotoxicity of polyurethane-based nano- and microparticles as promising biomaterials for drug delivery systems. Journal of Nanoparticle Research, 2010, 12, 1655-1665.	1.9	6
120	Enhancement of Plant and Bacterial Lectin Binding Affinities by Three-Dimensional Organized Cluster Glycosides Constructed on Helical Poly(phenylacetylene) Backbones. ChemBioChem, 2010, 11, 2399-2408.	2.6	31
121	Characterization of Polymeric Particles with Electron Microscopy, Dynamic Light Scattering, and Atomic Force Microscopy. Particulate Science and Technology, 2010, 28, 472-484.	2.1	11
122	Block Copolymer Systems: From Single Chain to Self-Assembled Nanostructures. Langmuir, 2010, 26, 15734-15744.	3.5	78
123	Thermoresponsive Vesicular Morphologies Obtained by Self-Assemblies of Hybrid Oligosaccharide-block-poly(N-isopropylacrylamide) Copolymer Systems. Langmuir, 2010, 26, 2325-2332.	3.5	88
124	Dynamic light scattering and viscosimetry of aqueous solutions of pectin, sodium alginate and their mixtures: effects of added salt, concentration, counterions, temperature and chelating agent. Journal of the Brazilian Chemical Society, 2009, 20, 1705-1714.	0.6	35
125	Morphological Changes Induced by Addition of Polystyrene to Dextran-Polystyrene Block Copolymer Solutions. Macromolecular Symposia, 2009, 281, 113-118.	0.7	3
126	Thermoresponsive Copolymers Based on Poly(N-isopropylacrylamide) and Poly[2-(methacryloyloxy)ethyl phosphorylcholine]: Light Scattering and Microscopy Experiments. Macromolecular Chemistry and Physics, 2009, 210, 1726-1733.	2.2	4

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127	Janus combs with polystyrene and poly(methyl vinyl ether) branches: Design, characterization and properties. <i>Reactive and Functional Polymers</i> , 2009, 69, 402-408.	4.1	13
128	Block copolymer micelles as nanoreactors for single-site polymerization catalysts. <i>Journal of Polymer Science Part A</i> , 2009, 47, 197-209.	2.3	30
129	Comparison between a polyacrylamide and a hydrophobically modified polyacrylamide flood in a sandstone core. <i>Materials Science and Engineering C</i> , 2009, 29, 505-509.	7.3	82
130	Dynamic light scattering and atomic force microscopy techniques for size determination of polyurethane nanoparticles. <i>Materials Science and Engineering C</i> , 2009, 29, 638-640.	7.3	52
131	Aqueous Self-Assembly of Polystyrene Chains End-Functionalized with β -Cyclodextrin. <i>Biomacromolecules</i> , 2009, 10, 449-453.	5.4	22
132	Comb Copolymers with Polystyrene and Polyisoprene Branches: Effect of Block Topology on Film Morphology. <i>Macromolecules</i> , 2009, 42, 3942-3950.	4.8	35
133	Aggregation of a Versatile Triblock Copolymer into pH-Responsive Cross-Linkable Nanostructures in Both Organic and Aqueous Media. <i>Langmuir</i> , 2009, 25, 13361-13367.	3.5	18
134	Micelles and Polymersomes Obtained by Self-Assembly of Dextran and Polystyrene Based Block Copolymers. <i>Biomacromolecules</i> , 2009, 10, 32-40.	5.4	89
135	Micellar transformations of poly(styrene- <i>b</i> -isoprene) block copolymers in selective solvents. <i>Soft Matter</i> , 2009, 5, 1081.	2.7	18
136	Hybrid Block Copolymers Incorporating Oligosaccharides and D Synthetic Blocks Grown by Controlled Radical Polymerization. <i>ACS Symposium Series</i> , 2009, , 231-240.	0.5	7
137	Amphiphilic derivatives of carboxymethylcellulose: Evidence for intra- and intermolecular hydrophobic associations in aqueous solutions. <i>Polymer Engineering and Science</i> , 2008, 48, 2011-2026.	3.1	19
138	ATRP of Silylated Glycerol Monomethacrylate in Organic Medium for Convenient Synthesis of Amphiphilic Copolymers. <i>Macromolecular Rapid Communications</i> , 2008, 29, 573-579.	3.9	10
139	Towards an easy access to Annexin-A5 protein binding block copolymer micelles. <i>Materials Science and Engineering C</i> , 2008, 28, 479-488.	7.3	5
140	The role of surfactant in the miniemulsion polymerization of biodegradable polyurethane nanoparticles. <i>Materials Science and Engineering C</i> , 2008, 28, 526-531.	7.3	29
141	Disordered Phase and Self-Organization of Block Copolymer Systems. , 2008, , 133-189.		5
142	Formation of Annexin-A5 Protein/Block Copolymer Micelle Complexes: QCM-D and PAGE Experiments. <i>Langmuir</i> , 2008, 24, 12189-12195.	3.5	7
143	Influence of the Macromolecular Architecture on the Self-Assembly of Amphiphilic Copolymers Based on Poly(<i>N,N</i> -dimethylamino-2-ethyl methacrylate) and Poly(μ -caprolactone). <i>Langmuir</i> , 2008, 24, 8272-8279.	3.5	32
144	Polyelectrolyte Behavior of Diblock Copolymer Micelles Having Phosphonic Diacid Groups at the Corona. <i>Macromolecules</i> , 2008, 41, 2195-2202.	4.8	13

#	ARTICLE	IF	CITATIONS
145	Polymer Micelles as Supports for the Production of Millimetric Polyethylene Beads. <i>Macromolecules</i> , 2008, 41, 7321-7329.	4.8	12
146	Application of living ionic polymerizations to the design of AB-type comb-like copolymers of various topologies and organizations. <i>Macromolecular Research</i> , 2007, 15, 173-177.	2.4	9
147	Time division multiplexing based method for compressing ECG signals: application for normal and abnormal cases. <i>Journal of Medical Engineering and Technology</i> , 2007, 31, 324-331.	1.4	3
148	Synthesis of (Poly(chloroethyl vinyl ether)-g-polystyrene)comb-b-(poly(chloropyran ethoxy vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Solutions. <i>Macromolecules</i> , 2007, 40, 5559-5565.	4.8	36
149	Specific Interactions Improve the Loading Capacity of Block Copolymer Micelles in Aqueous Media. <i>Langmuir</i> , 2007, 23, 6947-6955.	3.5	73
150	Poly(styrene)comb-b-Poly(ethylene oxide)comb Copolymers:Â Synthesis and AFM Investigation of Intra- and Supramolecular Organization as Thin Deposits. <i>Macromolecules</i> , 2007, 40, 9503-9509.	4.8	37
151	Nanocontainers Formed by Self-Assembly of Poly(ethylene oxide)-b-poly(glycerol) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 502 Td	4.8	115
152	InfluÃªncia da adiÃ§Ã£o de plastificante do processo de reticulaÃ§Ã£o na morfologia, absorÃ§Ã£o de aguÃ¡ e propriedades mecÃ¢nicas de filmes de alginato de sÃ³dio. <i>Quimica Nova</i> , 2007, 30, .	0.3	8
153	Synthesis of ATRP-induced dextran-b-polystyrene diblock copolymers and preliminary investigation of their self-assembly in water. <i>Chemical Communications</i> , 2007, , 3063.	4.1	72
154	Dynamics of Cellulose Whiskers Spatially Trapped in Agarose Hydrogels. <i>Macromolecules</i> , 2006, 39, 3622-3627.	4.8	15
155	Diblock Copolymer Micellar Nanoparticles Decorated with Annexin-A5 Proteins. <i>Journal of the American Chemical Society</i> , 2006, 128, 9010-9011.	13.7	27
156	Phosphorylcholine-Based pH-Responsive Diblock Copolymer Micelles as Drug Delivery Vehicles:Â Light Scattering, Electron Microscopy, and Fluorescence Experiments. <i>Biomacromolecules</i> , 2006, 7, 817-828.	5.4	150
157	Synthesis of Comblike Poly(styrene-b-isoprene) Block Copolymers and Their Properties in Good and Selective Solvents. <i>Macromolecules</i> , 2006, 39, 7107-7114.	4.8	28
158	pH Responsiveness of Dendrimer-like Poly(ethylene oxide)s. <i>Journal of the American Chemical Society</i> , 2006, 128, 11551-11562.	13.7	100
159	Structure-property relationships of smectic liquid crystalline polyacrylates as revealed by SAXS. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 333-341.	0.6	9
160	Morphology of Poly(ethylene oxide)-block-Polycaprolatone Block Copolymer Micelles Controlled via the Preparation Method. <i>Macromolecular Symposia</i> , 2006, 245-246, 147-153.	0.7	18
161	On the physics of block copolymers. <i>Polymer International</i> , 2006, 55, 1161-1168.	3.1	13
162	Study of gelatinization process and viscoelastic properties of cassava starch: Effect of sodium hydroxide and ethylene glycol diacrylate as cross-linking agent. <i>Carbohydrate Polymers</i> , 2006, 66, 396-407.	10.2	35

#	ARTICLE	IF	CITATIONS
163	Thermal properties and stability of cassava starch films cross-linked with tetraethylene glycol diacrylate. <i>Polymer Degradation and Stability</i> , 2006, 91, 726-732.	5.8	78
164	Polyurethane nanoparticles from a natural polyol via miniemulsion technique. <i>Polymer</i> , 2006, 47, 8080-8087.	3.8	74
165	Microstructures Based on Thermotropic Liquid-Crystalline Polymers in the Low Molar Mass Nematogenic 5CB. <i>Macromolecular Symposia</i> , 2005, 229, 93-98.	0.7	1
166	Polycaprolactone-b-Poly(ethylene oxide) Biocompatible Micelles as Drug Delivery Nanocarriers: Dynamic Light Scattering and Fluorescence Experiments. <i>Macromolecular Symposia</i> , 2005, 229, 107-117.	0.7	11
167	Controlled Radical Polymerization of N-Vinylpyrrolidone by Reversible Addition-Fragmentation Chain Transfer Process. <i>Macromolecular Symposia</i> , 2005, 229, 8-17.	0.7	86
168	Use of Natural Monomer in the Synthesis of Nano- and Microparticles of Polyurethane by Suspension-Polyaddition Technique. <i>Macromolecular Symposia</i> , 2005, 229, 234-245.	0.7	17
169	Polymacromonomers: Dynamics of Dilute and Nondilute Solutions. <i>Macromolecules</i> , 2005, 38, 2400-2409.	4.8	25
170	Vesicles made of PS-PI cyclic diblock copolymers: In situ freeze-drying cryo-TEM and dynamic light scattering experiments. <i>Faraday Discussions</i> , 2005, 128, 163.	3.2	31
171	Micellar Aggregation in Blends of Linear and Cyclic Poly(styrene-b-isoprene) Diblock Copolymers. <i>Langmuir</i> , 2005, 21, 9085-9090.	3.5	25
172	Scattering and Viscosimetric Behaviors of Four- and Six-Arm Star Polyelectrolyte Solutions. <i>Macromolecules</i> , 2005, 38, 7105-7120.	4.8	14
173	Control of the Morphology of Linear and Cyclic PS-b-PI Block Copolymer Micelles via PS Addition. <i>Langmuir</i> , 2005, 21, 1180-1186.	3.5	65
174	Towards an easy access to amphiphilic rod-coil miktoarm star copolymers. <i>Chemical Communications</i> , 2005, , 1993.	4.1	63
175	Rheological Behavior and Scattering Studies of Acrylamide-Based Copolymer Solutions. <i>Macromolecular Symposia</i> , 2005, 229, 217-227.	0.7	15
176	Static and Dynamic Light Scattering of Polyelectrolyte/Surfactant Solutions: the Na-Hyaluronate/(C10TAB) System. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 907-917.	2.2	37
177	Rodlike Cellulose Microcrystals: Structure, Properties, and Applications. <i>Macromolecular Rapid Communications</i> , 2004, 25, 771-787.	3.9	758
178	Atomic force microscopy study of comb-like vs. arborescent graft copolymers in thin films. <i>Polymer</i> , 2004, 45, 1833-1843.	3.8	44
179	Small angle X-ray scattering study of chiral side chain liquid crystalline polymers in 5CB and 8CB solvents. <i>Liquid Crystals</i> , 2004, 31, 655-661.	2.2	5
180	Microphase Separation of Linear and Cyclic Block Copolymers Poly(styrene-b-isoprene): SAXS Experiments. <i>Macromolecules</i> , 2004, 37, 1843-1848.	4.8	52

#	ARTICLE	IF	CITATIONS
181	SAXS from Four-Arm Polyelectrolyte Stars in Semi-Dilute Solutions. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 89-97.	2.2	20
182	Translational and Rotational Dynamics of Rodlike Cellulose Whiskers. <i>Langmuir</i> , 2003, 19, 24-29.	3.5	154
183	Micellar Morphological Changes Promoted by Cyclization of PS-b-PI Copolymer: A DLS and AFM Experiments. <i>Macromolecules</i> , 2003, 36, 4125-4133.	4.8	89
184	From "Sunflower-like" Assemblies toward Giant Wormlike Micelles. <i>Langmuir</i> , 2003, 19, 6-9.	3.5	51
185	Small-Angle Neutron Scattering from Diblock Copolymer Poly(styrene-d8)-b-poly(β -benzyl-L-glutamate) Solutions: A Rod-Coil to Coil-Coil Transition. <i>Macromolecules</i> , 2003, 36, 1253-1256.	4.8	47
186	Static and Dynamic Light Scattering from Polyelectrolyte Microcrystal Cellulose. <i>Langmuir</i> , 2002, 18, 992-996.	3.5	95
187	Effect of Dense Grafting on the Backbone Conformation of Bottlebrush Polymers: A Determination of the Persistence Length in Solution. <i>Macromolecules</i> , 2002, 35, 8878-8881.	4.8	133
188	Effect of Cyclization of Polystyrene/Polyisoprene Block Copolymers on Their Micellar Morphology. <i>Macromolecular Rapid Communications</i> , 2002, 23, 978-982.	3.9	39
189	Thermal Degradation of Natural Polymers. <i>Magyar Árvíz Kémia</i> , 2002, 67, 295-303.	1.4	93
190	Structure and Dynamics of Block Copolymers and Polymer Blends. , 2002, , 263-309.		0
191	Dynamics of Cellulose Whiskers in Agarose Gels. 1. Polarized Dynamic Light Scattering. <i>Macromolecules</i> , 2001, 34, 5275-5279.	4.8	27
192	Scattering Properties of Rod-Coil and Once-Broken Rod Block Copolymers. <i>Macromolecules</i> , 2001, 34, 4229-4234.	4.8	42
193	Dynamic Light Scattering and Small-Angle Neutron Scattering Studies of Ternary Rod/Coil/Solvent Systems. <i>Macromolecules</i> , 2001, 34, 2208-2219.	4.8	12
194	SAXS from Polyelectrolyte Solutions under Shear: Xanthan and Na-Hyaluronate Examples. <i>Macromolecules</i> , 2000, 33, 9418-9422.	4.8	23
195	Dynamic Light Scattering Evidence for a Ligand-Induced Motion between the Two Domains of Glucoamylase G1 of <i>Aspergillus niger</i> with Heterobivalent Substrate Analogues. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 974-977.	13.8	14
196	Ultrastructural aspects of phytoglycogen from cryo-transmission electron microscopy and quasi-elastic light scattering data. <i>International Journal of Biological Macromolecules</i> , 1999, 26, 145-150.	7.5	75
197	Shear-Induced Orientation Phenomena in Suspensions of Cellulose Microcrystals, Revealed by Small Angle X-ray Scattering. <i>Langmuir</i> , 1999, 15, 6123-6126.	3.5	154
198	Determination of Splay and Twist Relaxation Modes in Nematic Liquid Crystals from Dynamic Light Scattering Experiments. <i>Journal of Physical Chemistry B</i> , 1998, 102, 6337-6341.	2.6	13

#	ARTICLE	IF	CITATIONS
199	Small-Angle Neutron Scattering and Dynamic Light Scattering from a Polyelectrolyte Solution:Â DNA. <i>Macromolecules</i> , 1998, 31, 1548-1555.	4.8	114
200	Dynamic light scattering studies of cholesteric and polymer-stabilized cholesteric liquid crystals. <i>Physical Review E</i> , 1998, 58, R2717-R2720.	2.1	13
201	Influence of the Shear Rate on the Small-Angle Neutron Scattering Pattern of Polyelectrolyte Solutions:Â The Xanthan Example. <i>Macromolecules</i> , 1996, 29, 473-474.	4.8	12
202	Scattering properties of weakly charged polyelectrolytes. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1996, 100, 836-840.	0.9	2
203	Scattering properties of multicomponent polymer solutions: polyelectrolytes, homopolymer mixtures and diblock copolymer. <i>Macromolecular Chemistry and Physics</i> , 1996, 197, 3947-3994.	2.2	21
204	Scattering properties of branched polymers in the high wave vector region and good solvent conditions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995, 33, 1281-1288.	2.1	2
205	Small Angle Neutron Scattering from Polyelectrolyte Solutions: From Disordered to Ordered Xanthan Chain Conformation. <i>Macromolecules</i> , 1995, 28, 3119-3124.	4.8	72
206	Light Scattering and Small-Angle Neutron Scattering from Polyelectrolyte Solutions: The Succinoglycan. <i>Macromolecules</i> , 1995, 28, 1085-1088.	4.8	38
207	Dynamic light scattering study of the two-domain structure ofHumicola insolensendoglucanase V. <i>FEBS Letters</i> , 1995, 376, 49-52.	2.8	15
208	Hydrodynamic screening of ring copolymer solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1994, 32, 981-984.	2.1	3
209	Cyclic polymers swollen in a good solvent dynamic scattering properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1994, 32, 985-991.	2.1	1
210	Dynamic scattering properties of branched polymers in the high-wave vector region. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1994, 32, 1745-1748.	2.1	2
211	Viscosity of weakly charged polyelectrolyte solutions: The screening of hydrodynamic interactions. <i>Macromolecular Theory and Simulations</i> , 1994, 3, 73-77.	1.4	4
212	Single-Chain Diffusion Coefficient of F-Dextran in Poly(vinylpyrrolidone)/Water: Fluorescence Recovery after Photobleaching Experiments. <i>Macromolecules</i> , 1994, 27, 2141-2144.	4.8	11
213	Dynamic scattering of ternary polymer mixtures in solutions: The χ_{FS} interaction parameter and the single chain diffusion coefficient D_{S} . <i>Macromolecular Symposia</i> , 1994, 87, 133-147.	0.7	0
214	Static and dynamic scattering from cyclic diblock copolymer chains in solution. <i>Macromolecular Symposia</i> , 1994, 79, 153-166.	0.7	3
215	Further evidence of liquid-like correlations in polyelectrolyte solutions. <i>Journal De Physique II</i> , 1994, 4, 1001-1019.	0.9	24
216	On some original properties of dilute polyelectrolyte solutions at low salt content: sodium hyaluronate example. <i>Polymer</i> , 1993, 34, 3710-3715.	3.8	30

#	ARTICLE	IF	CITATIONS
217	Elastic scattering and relaxation modes of cyclic diblock copolymer chains in solution: Rouse model. Physica A: Statistical Mechanics and Its Applications, 1993, 201, 129-137.	2.6	10
218	.chi.F Interaction parameter and the single-chain diffusion coefficients of dextran/poly(vinylpyrrolidone)/water: dynamic light scattering experiments. Macromolecules, 1993, 26, 2592-2596.	4.8	28
219	Quasielastic light scattering from poly(dimethylsiloxane)/poly(methyl methacrylate)/chloroform under the optical .THETA. condition. Macromolecules, 1993, 26, 2433-2438.	4.8	13
220	Dynamic Scattering from Cyclic Diblock-Copolymer Chains in Solution. Europhysics Letters, 1993, 23, 263-269.	2.0	13
221	Screened hydrodynamic interactions in ternary polymer solutions. Journal De Physique II, 1993, 3, 625-630.	0.9	8
222	Static scattering from cyclic copolymers in solution. Journal De Physique II, 1993, 3, 1041-1047.	0.9	10
223	Influence of the ionic strength on the dimensions of sodium hyaluronate. Macromolecules, 1992, 25, 5613-5617.	4.8	144
224	Viscosity of weakly charged polyelectrolyte solutions: the mode-mode coupling approach. Macromolecules, 1992, 25, 5313-5317.	4.8	30
225	Dynamic light scattering from poly(dimethylsiloxane) (PDMS)/PMMA/solvent: effect of optical properties. Macromolecules, 1992, 25, 4378-4381.	4.8	19
226	Spin-echo neutron scattering from copolymers in intermediate solvents. Macromolecules, 1991, 24, 3185-3188.	4.8	12
227	Dynamic light scattering from ternary mixtures of two homopolymers in solution. Journal of Non-Crystalline Solids, 1991, 131-133, 816-822.	3.1	9
228	Mean-field theory of concentrated polyelectrolyte solutions: Statics and dynamics. Physical Review A, 1991, 43, 6857-6874.	2.5	67
229	Dynamic light scattering from polystyrene-poly(methylmethacrylate) diblock copolymer in toluene. Physical Review A, 1991, 43, 5732-5735.	2.5	34
230	Diffusion in semi-dilute polymer solutions. A complementary experiment. Journal De Physique II, 1991, 1, 381-396.	0.9	15
231	Dynamics of copolymer and homopolymer blends in strong solutions and bulk: The Edwards Hamiltonian approach. Journal of Chemical Physics, 1990, 93, 3610-3613.	3.0	24
232	Screening of interactions in homopolymer blends and in diblock copolymer systems. Macromolecules, 1990, 23, 3172-3178.	4.8	36
233	Quasi-elastic light scattering from ternary mixtures of poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 Td (methacrylate)	4.8	25
234	Quasi-elastic light scattering from ternary mixtures of polystyrene/poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50.62 Td (methacrylate)	3.8	21

#	ARTICLE	IF	CITATIONS
235	Dynamics of copolymer solutions determined by using neutron spin-echo. Macromolecules, 1989, 22, 4119-4121.	4.8	34
236	Quasi-elastic light scattering from ternary mixtures of polystyrene/poly(dimethylsiloxane)/solvents. Macromolecules, 1989, 22, 816-821.	4.8	55
237	Dynamic scattering from mixtures of homopolymers and copolymers in solution. Macromolecules, 1988, 21, 520-521.	4.8	6
238	Theory of dynamic scattering from copolymer solutions using the random phase approximation. Macromolecules, 1987, 20, 2620-2624.	4.8	60
239	Diffusion of polymers in semidilute ternary solutions - investigation by dynamic light scattering. Macromolecules, 1987, 20, 1112-1115.	4.8	37
240	Dynamics of a single copolymer chain. Journal of Polymer Science, Part B: Polymer Physics, 1987, 25, 1839-1846.	2.1	22
241	3D simulation of SAR induced by mobile phones in the human head. , 0, , .		0