Nicola Tirelli

List of Publications by Year
in descending order

188 papers	9,189 citations	44069 48 h-index	48315 88 g-index
192 all docs	192 docs citations	192 times ranked	11268 citing authors

#	Article	IF	Citations
1	The contracture-in-a-well. An in vitro model distinguishes bulk and interfacial processes of irreversible (fibrotic) cell-mediated contraction. Materials Science and Engineering C, 2022, 133, 112661.	7.3	1
2	Sulfur-based oxidation-responsive polymers. Chemistry, (chemically selective) responsiveness and biomedical applications. European Polymer Journal, 2021, 149, 110387.	5.4	33
3	Yeast Cells in Microencapsulation. General Features and Controlling Factors of the Encapsulation Process. Molecules, 2021, 26, 3123.	3.8	25
4	Versatile Preparation of Branched Polylactides by Low-Temperature, Organocatalytic Ring-Opening Polymerization in N-Methylpyrrolidone and Their Surface Degradation Behavior. Macromolecules, 2021, 54, 9482-9495.	4.8	7
5	Double-responsive hyaluronic acid-based prodrugs for efficient tumour targeting. Materials Science and Engineering C, 2021, 131, 112475.	7.3	9
6	â€œTandemâ€•Nanomedicine Approach against Osteoclastogenesis: Polysulfide Micelles Synergically Scavenge ROS and Release Rapamycin. Biomacromolecules, 2020, 21, 305-318.	5.4	25
7	Fibrin Matrices as (Injectable) Biomaterials: Formation, Clinical Use, and Molecular Engineering. Macromolecular Bioscience, 2020, 20, e1900283.	4.1	37
8	Thiol-based michael-type addition. A systematic evaluation of its controlling factors. Tetrahedron, 2020, 76, 131637.	1.9	19
9	CXCL12-PLGA/Pluronic Nanoparticle Internalization Abrogates CXCR4-Mediated Cell Migration. Nanomaterials, 2020, 10, 2304.	4.1	12
10	Keratinâ€“cinnamon essential oil biocomposite fibrous patches for skin burn care. Materials Advances, 2020, 1, 1805-1816.	5.4	20
11	The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216.	2.2	69
12	Microfluidic-assisted preparation of RGD-decorated nanoparticles: exploring integrin-facilitated uptake in cancer cell lines. Scientific Reports, 2020, 10, 14505.	3.3	25
13	Hyaluronic Acid (HA) Receptors and the Motility of Schwann Cell(-Like) Phenotypes. Cells, 2020, 9, 1477.	4.1	2
14	20 Years of Biopolymers, Biomaterials, and Biomimetics. Macromolecular Bioscience, 2020, 20, e1900421.	4.1	0
15	Functionalized Enzyme-Responsive Biomaterials to Model Tissue Stiffening in vitro. Frontiers in Bioengineering and Biotechnology, 2020, 8, 208.	4.1	15
16	Tuning the properties of hybrid SiO2/ poly(glycerol monomethacrylate) nanoparticles for enzyme nanoencapsulation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 580, 123734.	4.7	5
17	Disulfide-Mediated Bioconjugation: Disulfide Formation and Restructuring on the Surface of Nanomanufactured (Microfluidics) Nanoparticles. ACS Applied Materials & Interfaces, 2019, 11, 26607-26618.	8.0	7
18	Angiogenesis and tissue formation driven by an arteriovenous loop in the mouse. Scientific Reports, 2019, 9, 10478.	3.3	15

#	Article	IF	Citations
19	Main Chain Polysulfoxides as Active â€˜Stealthâ€™ Polymers with Additional Antioxidant and Anti-Inflammatory Behaviour. International Journal of Molecular Sciences, 2019, 20, 4583.	4.1	27
20	Enhanced Intraliposomal Metallic Nanoparticle Payload Capacity Using Microfluidic-Assisted Self-Assembly. Langmuir, 2019, 35, 13318-13331.	3.5	14
21	Mesoscale modelling of near-contact interactions for complex flowing interfaces. Journal of Fluid Mechanics, 2019, 872, 327-347.	3.4	48
22	Reactive Oxygen Speciesâ€Responsive Nanoparticles for the Treatment of Ischemic Stroke. Advanced Therapeutics, 2019, 2, 1900038.	3.2	51
23	Evaluating the Efficiency of Hyaluronic Acid for Tumor Targeting via CD44. Molecular Pharmaceutics, 2019, 16, 2481-2493.	4.6	81
24	Oxidationâ€Responsive Materials: Biological Rationale, State of the Art, Multiple Responsiveness, and Open Issues. Macromolecular Rapid Communications, 2019, 40, e1800699.	3.9	51
25	CD44 targeted delivery of siRNA by using HA-decorated nanotechnologies for KRAS silencing in cancer treatment. International Journal of Pharmaceutics, 2019, 561, 114-123.	5.2	40
26	Influence of Chain Primary Structure and Topology (Branching) on Crystallization and Thermal Properties: The Case of Polysulfides. Macromolecules, 2019, 52, 2093-2104.	4.8	13
27	The different ways to chitosan/hyaluronic acid nanoparticles: templated vs direct complexation. Influence of particle preparation on morphology, cell uptake and silencing efficiency. Beilstein Journal of Nanotechnology, 2019, 10, 2594-2608.	2.8	22
28	Hyaluronic acid carrier-cell interactions: a tri-culture model of the tumour microenvironment to study siRNA delivery under flow conditions. International Journal of Nano and Biomaterials, 2019, 8, 106.	0.1	1
29	Binding and Internalization in Receptorâ€Targeted Carriers: The Complex Role of CD44 in the Uptake of Hyaluronic Acidâ€Based Nanoparticles (siRNA Delivery). Advanced Healthcare Materials, 2019, 8, e1901182.	7.6	37
30	Biofunctional few-layer metal dichalcogenides and related heterostructures produced by direct aqueous exfoliation using phospholipids. RSC Advances, 2019, 9, 37061-37066.	3.6	1
31	Receptorâ€Targeted Drug Delivery and the (Many) Problems We Know of: The Case of CD44 and Hyaluronic Acid. Advanced Biology, 2018, 2, 1800049.	3.0	14
32	Amphiphilic polysaccharides as building blocks for self-assembled nanosystems: molecular design and application in cancer and inflammatory diseases. Journal of Controlled Release, 2018, 272, 114-144.	9.9	59
33	Cavitation-Assisted Micromixing for Polymeric Nanoparticle Generation. Proceedings (mdpi), 2018, 2, .	0.2	2
34	Cellular responses of hyaluronic acid-coated chitosan nanoparticles. Toxicology Research, 2018, 7, 942-950.	2.1	21
35	Phospholipid-mediated exfoliation as a facile preparation method for graphene suspensions. RSC Advances, 2018, 8, 19220-19225.	3.6	5
36	Tyrosinase-Mediated Bioconjugation. A Versatile Approach to Chimeric Macromolecules. Bioconjugate Chemistry, 2018, 29, 2550-2560.	3.6	24

#	Article	IF	Citations
37	Colorectal tumor 3Din vitromodels: advantages of biofabrication for the recapitulation of early stages of tumour development. Biomedical Physics and Engineering Express, 2018, 4, 045010.	1.2	26
38	Fibroblast migration correlates with matrix softness. A study in knob-hole engineered fibrin. APL Bioengineering, 2018, 2, 036102.	6.2	12
39	Microfluidic-assisted nanoprecipitation of (PEGylated) poly (d,l-lactic acid-co-caprolactone): Effect of macromolecular and microfluidic parameters on particle size and paclitaxel encapsulation. International Journal of Pharmaceutics, 2018, 548, 530-539.	5.2	27
40	Chitosan/Î²-glycerophosphate-based microparticles manufactured by laminar jet break-up technology. Journal of Microencapsulation, 2018, 35, 407-420.	2.8	1
41	Hybrid solâ€“gel inorganic/gelatin porous fibres via solution blow spinning. Journal of Materials Science, 2017, 52, 9066-9081.	3.7	27
42	Revisiting Boronate/Diol Complexation as a Double Stimulus-Responsive Bioconjugation. Bioconjugate Chemistry, 2017, 28, 1391-1402.	3.6	36
43	Chitosan/Hyaluronic Acid Nanoparticles: Rational Design Revisited for RNA Delivery. Molecular Pharmaceutics, 2017, 14, 2422-2436.	4.6	114
44	Dual thermo/oxidation-responsive block copolymers with self-assembly behaviour and synergistic release. Reactive and Functional Polymers, 2017, 110, 55-61.	4.1	9
45	The Effect of Branching (Star Architecture) on Poly(<scp>d</scp>,<scp>l</scp>-lactide) (PDLLA) Degradation and Drug Delivery. Biomacromolecules, 2017, 18, 728-739.	5.4	29
46	Self-Replicating RNA Vaccine Delivery to Dendritic Cells. Methods in Molecular Biology, 2017, 1499, 37-75.	0.9	21
47	The CD44â€Mediated Uptake of Hyaluronic Acidâ€Based Carriers in Macrophages. Advanced Healthcare Materials, 2017, 6, 1601012.	7.6	98
48	Nanomanufacturing through microfluidic-assisted nanoprecipitation: Advanced analytics and structure-activity relationships. International Journal of Pharmaceutics, 2017, 534, 97-107.	5.2	40
49	Hyaluronic Acid Coated Chitosan Nanoparticles Reduced the Immunogenicity of the Formed Protein Corona. Scientific Reports, 2017, 7, 10542.	3.3	126
50	Polymeric micelles with dual thermal and reactive oxygen species (ROS)-responsiveness for inflammatory cancer cell delivery. Journal of Nanobiotechnology, 2017, 15, 39.	9.1	38
51	Selective Targeting of a Novel Vasodilator to the Uterine Vasculature to Treat Impaired Uteroplacental Perfusion in Pregnancy. Theranostics, 2017, 7, 3715-3731.	10.0	76
52	Mannosylation Allows for Synergic (CD44/Câ€Type Lectin) Uptake of Hyaluronic Acid Nanoparticles in Dendritic Cells, but Only upon Correct Ligand Presentation. Advanced Healthcare Materials, 2016, 5, 966-976.	7.6	24
53	Branched polyesters: Preparative strategies and applications. Advanced Drug Delivery Reviews, 2016, 107, 60-81.	13.7	46
54	Hyaluronan/Tannic Acid Nanoparticles Via Catechol/Boronate Complexation as a Smart Antibacterial System. Macromolecular Bioscience, 2016, 16, 1815-1823.	4.1	48

#	Article	IF	Citations
55	Linear, Star, and Comb Oxidationâ€Responsive Polymers: Effect of Branching Degree and Topology on Aggregation and Responsiveness. Macromolecular Rapid Communications, 2016, 37, 1918-1925.	3.9	20
56	Targeted nanoparticle delivery of a novel nitric oxide donor increased fetal weight in a mouse model of fetal growth restriction. Placenta, 2016, 45, 68.	1.5	2
57	Tumor-homing peptides as tools for targeted delivery of payloads to the placenta. Science Advances, 2016, 2, e1600349.	10.3	119
58	Evaluating the efficiency of hyaluronic acid for specific tumour targeting. European Journal of Cancer, 2016, 61, S197.	2.8	0
59	Branched amphiphilic polysulfides: influence of macromolecular architecture on self-assembly and oxidation responsiveness. Materials Research Society Symposia Proceedings, 2015, 1718, 55-63.	0.1	1
60	Fibronectin localization and fibrillization are affected by the presence of serum in culture media. Scientific Reports, 2015, 5, 9278.	3.3	10
61	Influence of Primary Structure on Responsiveness. Oxidative, Thermal, and Thermo-Oxidative Responses in Polysulfides. Macromolecules, 2015, 48, 8108-8120.	4.8	29
62	Mitsunobu Reaction: A Versatile Tool for PEG End Functionalization. Macromolecular Rapid Communications, 2015, 36, 1829-1835.	3.9	11
63	Targeted placental delivery of insulin-like growth factor-II increases fetal weight in P0 mice. Placenta, 2015, 36, A6.	1.5	0
64	Binary behaviour of an oxidation-responsive MRI nano contrast agent. Chemical Communications, 2015, 51, 1074-1076.	4.1	5
65	Enhanced local bioavailability of single or compound drugs delivery to the inner ear through application of PLGA nanoparticles via round window administration. International Journal of Nanomedicine, 2014, 9, 5591.	6.7	53
66	Characterization of the Network Structure of <scp>PEG</scp> Diacrylate Hydrogels Formed in the Presence of Nâ€Vinyl Pyrrolidone. Macromolecular Reaction Engineering, 2014, 8, 314-328.	1.5	21
67	Water-Dispersible, Ligand-Free, and Extra-Small (<10 nm) Titania Nanoparticles: Control Over Primary, Secondary, and Tertiary Agglomeration Through a Modified â€œNon-Aqueousâ€•Route. Advanced Functional Materials, 2014, 24, 993-1003.	14.9	8
68	Chemical specificity in REDOX-responsive materials: the diverse effects of different Reactive Oxygen Species (ROS) on polysulfide nanoparticles. Polymer Chemistry, 2014, 5, 1393.	3.9	49
69	Myofibroblast Differentiation: Main Features, Biomedical Relevance, and the Role of Reactive Oxygen Species. Antioxidants and Redox Signaling, 2014, 21, 768-785.	5.4	37
70	An Orthogonal Click-Chemistry Approach to Design Poly(glycerol monomethacrylate)-based Nanomaterials for Controlled Immunostimulation. Macromolecular Bioscience, 2014, 14, 1528-1538.	4.1	12
71	Targeted delivery of insulin-like growth factor-II to the placenta using homing peptide-decorated liposomes increases placental weight. Placenta, 2014, 35, A9.	1.5	1
72	Surface modification of silicone via colloidal deposition of amphiphilic block copolymers. Polymer Chemistry, 2014, 5, 6687-6701.	3.9	7

#	Article	IF	Citations
73	Fishing for fire: strategies for biological targeting and criteria for material design in antiâ€inflammatory therapies. Polymers for Advanced Technologies, 2014, 25, 478-498.	3.2	29
74	Hyaluronic acid-coated chitosan nanoparticles: Molecular weight-dependent effects on morphology and hyaluronic acid presentation. Journal of Controlled Release, 2013, 172, 1142-1150.	9.9	96
75	<scp>HA</scp>â€<scp>C</scp>oated Chitosan Nanoparticles for <scp>CD</scp>44â€<scp>M</scp>ediated Nucleic Acid Delivery. Macromolecular Bioscience, 2013, 13, 1671-1680.	4.1	54
76	Rheological and Turbidity Study of Fibrin Hydrogels. Macromolecular Symposia, 2013, 334, 117-125.	0.7	24
77	Combination of Episulfide Ringâ€Opening Polymerization With ATRP for the Preparation of Amphiphilic Block Copolymers. Macromolecular Rapid Communications, 2013, 34, 156-162.	3.9	15
78	Oxidationâ€Responsive Polymers: Which Groups to Use, How to Make Them, What to Expect From Them (Biomedical Applications). Macromolecular Chemistry and Physics, 2013, 214, 143-158.	2.2	98
79	Advantages of Surfaceâ€Initiated ATRP (SIâ€ATRP) for the Functionalization of Electrospun Materials. Macromolecular Rapid Communications, 2013, 34, 51-56.	3.9	32
80	Hyaluronic acid (HA) presentation as a tool to modulate and control the receptor-mediated uptake of HA-coated nanoparticles. Biomaterials, 2013, 34, 5369-5380.	11.4	107
81	Synthesis, self-assembly and (absence of) protein interactions of poly(glycerol methacrylate)â€“silicone macro-amphiphiles. Polymer Chemistry, 2013, 4, 3458.	3.9	12
82	The antibiofilm effects of Byotrolâ„¢ G32. Journal of Applied Microbiology, 2013, 114, 1285-1293.	3.1	2
83	Quantitative Descriptors for the Effect of Nature/Mechanical Properties of Solid Substrates on Fibroblast Morphology. Journal of Applied Biomaterials and Functional Materials, 2012, 10, 265-272.	1.6	3
84	Biomimetic synthesis of calcium carbonate bilayers interfaced by a diblock copolymer template. Zeitschrift Fur Kristallographie - Crystalline Materials, 2012, 227, 739-743.	0.8	0
85	PEGylation of Nanosubstrates (Titania) with Multifunctional Reagents: At the Crossroads between Nanoparticles and Nanocomposites. Langmuir, 2012, 28, 11490-11501.	3.5	19
86	Oxidantâ€Dependent REDOX Responsiveness of Polysulfides. Macromolecular Chemistry and Physics, 2012, 213, 2052-2061.	2.2	57
87	Endâ€group rearrangements in poly(propylene sulfide) matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight analysis. Experimental evidence and possible mechanisms. Rapid Communications in Mass Spectrometry, 2012, 26, 2158-2164.	1.5	4
88	Yeast cells as microcapsules. Analytical tools and process variables in the encapsulation of hydrophobes in S. cerevisiae. Applied Microbiology and Biotechnology, 2012, 95, 1445-1456.	3.6	46
89	Scavenging ROS: Superoxide Dismutase/Catalase Mimetics by the Use of an Oxidation-Sensitive Nanocarrier/Enzyme Conjugate. Bioconjugate Chemistry, 2012, 23, 438-449.	3.6	145
90	The CD44/integrins interplay and the significance of receptor binding and re-presentation in the uptake of RGD-functionalized hyaluronic acid. Biomaterials, 2012, 33, 1120-1134.	11.4	67

#	Article	IF	Citations
91	Peptideâ€“PNIPAAm conjugate based hydrogels: synthesis and characterisation. Soft Matter, 2011, 7, 6025.	2.7	27
92	Photopolymerization of Pluronic F127 diacrylate: a colloid-templated polymerization. Soft Matter, 2011, 7, 4928.	2.7	40
93	Inkjet printing and cell seeding thermoreversible photocurable gel structures. Soft Matter, 2011, 7, 2639.	2.7	61
94	Mechanosensitive peptidegelation: mode of agitation controls mechanical properties and nano-scale morphology. Soft Matter, 2011, 7, 1732-1740.	2.7	63
95	Nanocarriers for Cytoplasmic Delivery: Cellular Uptake and Intracellular Fate of Chitosan and Hyaluronic Acidâ€Coated Chitosan Nanoparticles in a Phagocytic Cell Model. Macromolecular Bioscience, 2011, 11, 1747-1760.	4.1	100
96	Network connectivity, mechanical properties and cell adhesion for hyaluronic acid/PEG hydrogels. Biomaterials, 2011, 32, 6456-6470.	11.4	106
97	Inter-micellar dynamics in block copolymer micelles: FRET experiments of macroamphiphile and payload exchange. Reactive and Functional Polymers, 2011, 71, 303-314.	4.1	37
98	Injectable nanotechnology. , 2011, , 298-322.		1
99	Assessment of Nanomaterials Cytotoxicity and Internalization. Methods in Molecular Biology, 2011, 695, 243-259.	0.9	6
100	Spectrophotometric analysis of nucleic acids: oxygenation-dependant hyperchromism of DNA. Analytical and Bioanalytical Chemistry, 2010, 396, 2331-2339.	3.7	19
101	Happy Birthday, MBS!. Macromolecular Bioscience, 2010, 10, 7-11.	4.1	1
102	Colloidal thermoresponsive gel forming hybrids. Journal of Colloid and Interface Science, 2010, 349, 527-536.	9.4	5
103	Triazoloacridin-6-ones as novel inhibitors of the quinone oxidoreductases NQO1 and NQO2. Bioorganic and Medicinal Chemistry, 2010, 18, 696-706.	3.0	21
104	Stimulusâ€responsive polymers based on 2â€hydroxypropyl acrylate prepared by RAFT polymerization. Journal of Polymer Science Part A, 2010, 48, 2032-2043.	2.3	36
105	Materials for microencapsulation: what toroidal particles (â€œdoughnutsâ€) can do better than spherical beads. Soft Matter, 2010, 6, 4070.	2.7	33
106	Gateways for the intracellular access of nanocarriers: a review of receptor-mediated endocytosis mechanisms and of strategies in receptor targeting. Expert Opinion on Drug Delivery, 2010, 7, 895-913.	5.0	118
107	Avoiding Disulfides: Improvement of Initiation and Endâ€Capping Reactions in the Synthesis of Polysulfide Block Copolymers. Macromolecular Chemistry and Physics, 2009, 210, 447-456.	2.2	25
108	Polymers and Sulfur: what are Organic Polysulfides Good For? Preparative Strategies and Biological Applications. Macromolecular Rapid Communications, 2009, 30, 299-315.	3.9	94

#	Article	IF	Citations
109	Chitosan/TPP and Chitosan/TPP-hyaluronic Acid Nanoparticles: Systematic Optimisation of the Preparative Process and Preliminary Biological Evaluation. Pharmaceutical Research, 2009, 26, 1918-1930.	3.5	268
110	Thermally-responsive surfaces comprising grafted poly(N-isopropylacrylamide) chains: Surface characterisation and reversible capture of dispersed polymer particles. Journal of Colloid and Interface Science, 2009, 340, 166-175.	9.4	13
111	A study of thermoassociative gelation of aqueous cationic poly(N-isopropyl acrylamide) graft copolymer solutions. Polymer, 2009, 50, 1456-1462.	3.8	21
112	Amphiphilic star block copolymers: Influence of branching on lyotropic/interfacial properties. Polymer, 2009, 50, 2863-2873.	3.8	12
113	Surface-Initiated ATRP Modification of Tissue Culture Substrates: Poly(glycerol monomethacrylate) as an Antifouling Surface. Biomacromolecules, 2009, 10, 3130-3140.	5.4	41
114	Temperature-Triggered Gelation of Aqueous Laponite Dispersions Containing a Cationic Poly(N-isopropyl acrylamide) Graft Copolymer. Langmuir, 2009, 25, 490-496.	3.5	18
115	Dissolved oxygen alteration of the spectrophotometric analysis and quantification of nucleic acid solutions. Biochemical Society Transactions, 2009, 37, 466-470.	3.4	11
116	Role of thiolâ€disulfide exchange in episulfide polymerization. Journal of Polymer Science Part A, 2008, 46, 2233-2249.	2.3	25
117	Luminescent nanocomposites containing CdS nanoparticles dispersed into vinyl alcohol based polymers. Reactive and Functional Polymers, 2008, 68, 1144-1151.	4.1	39
118	Functionalization of polysulfide nanoparticles and their performance as circulating carriers. Biomaterials, 2008, 29, 1958-1966.	11.4	44
119	Preparation of Ligand-Free TiO₂ (Anatase) Nanoparticles through a Nonaqueous Process and Their Surface Functionalization. Langmuir, 2008, 24, 6988-6997.	3.5	68
120	Probing (macro)molecular transport through cell walls. Faraday Discussions, 2008, 139, 199.	3.2	18
121	Selective synthesis of double temperature-sensitive polymerâ€“peptide conjugates. Chemical Communications, 2008, , 4433.	4.1	28
122	Cationic Temperature-Responsive Poly(N-isopropyl acrylamide) Graft Copolymers: from Triggered Association to Gelation. Langmuir, 2008, 24, 7099-7106.	3.5	24
123	Oxidation-responsiveness of nanomaterials for targeting inflammatory reactions. Pure and Applied Chemistry, 2008, 80, 1703-1718.	1.9	52
124	Combining tissue engineering and drug delivery. , 2007, , 129-152.		0
125	Emulsion Macromonomer Cross-Linking. A Preparative Method for Oxidation-Responsive Nanoparticles with a Controlled Network Structure. Langmuir, 2007, 23, 12309-12317.	3.5	13
126	Polysulfide Networks. In Situ Formation and Characterization of the Elastomeric Behavior. Macromolecules, 2007, 40, 5141-5149.	4.8	10

#	Article	IF	Citations
127	Synthesis and Properties of Amphiphilic Star Polysulfides. Macromolecular Bioscience, 2007, 7, 987-998.	4.1	19
128	Branched Macromolecular Structures and their Bioâ€applications. Macromolecular Bioscience, 2007, 7, 965-967.	4.1	3
129	Photoinduced formation of gold nanoparticles into vinyl alcohol based polymers. Journal of Materials Chemistry, 2006, 16, 1058-1066.	6.7	66
130	Thermally-induced glass formation from hydrogel nanoparticles. Soft Matter, 2006, 2, 1067.	2.7	24
131	Solâ€“gel synthesis at neutral pH in W/O microemulsion: A method for enzyme nanoencapsulation in silica gel nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 288, 52-61.	4.7	32
132	(Bio)Responsive nanoparticles. Current Opinion in Colloid and Interface Science, 2006, 11, 210-216.	7.4	35
133	Doxorubicin encapsulation and diffusional release from stable, polymeric, hydrogel nanoparticles. European Journal of Pharmaceutical Sciences, 2006, 29, 120-129.	4.0	179
134	Investigating the Interactions of Hyaluronan Derivatives with Biomolecules. The Use of Diffusional NMR Techniques. Macromolecular Bioscience, 2006, 6, 611-622.	4.1	16
135	Glyco-Materials: Using Saccharides and Their Interactions for Designing New Biomaterials. Macromolecular Bioscience, 2006, 6, 575-578.	4.1	7
136	Absorption and Emission Dichroism of Polyethylene Films with Molecularly Dispersed Push-Pull Terthiophenes. Macromolecular Chemistry and Physics, 2005, 206, 102-111.	2.2	33
137	A new process for cell microencapsulation and other biomaterial applications: Thermal gelation and chemical cross-linking in â€œtandemâ€. Journal of Materials Science: Materials in Medicine, 2005, 16, 559-565.	3.6	24
138	Amphiphilic Hydrogel Nanoparticles. Preparation, Characterization, and Preliminary Assessment as New Colloidal Drug Carriers. Langmuir, 2005, 21, 2605-2613.	3.5	111
139	Oxidation-Sensitive Polymeric Nanoparticles. Langmuir, 2005, 21, 411-417.	3.5	147
140	Glucose sensitivity through oxidation responsiveness. An example of cascade-responsive nano-sensors. Journal of Materials Chemistry, 2005, 15, 4006.	6.7	45
141	Oxidation-responsive polymeric vesicles. Nature Materials, 2004, 3, 183-189.	27.5	798
142	Towards a fully-synthetic substitute of alginate: development of a new process using thermal gelation and chemical cross-linking. Biomaterials, 2004, 25, 5115-5124.	11.4	113
143	Towards a fully synthetic substitute of alginate: Optimization of a thermal gelation/chemical cross-linking scheme (?tandem? gelation) for the production of beads and liquid-core capsules. Biotechnology and Bioengineering, 2004, 88, 740-749.	3.3	50
144	Evidence and use of metalâ€“chromophore interactions: luminescence dichroism of terthiophene-coated gold nanoparticles in polyethylene oriented films. Journal of Materials Chemistry, 2004, 14, 3495-3502.	6.7	34

#	Article	IF	Citations
145	Glucose-oxidase Based Self-Destructing Polymeric Vesicles. Langmuir, 2004, 20, 3487-3491.	3.5	228
146	Diffusion NMR Spectroscopy for the Characterization of the Size and Interactions of Colloidal Matter:â€‰ The Case of Vesicles and Nanoparticles. Journal of the American Chemical Society, 2004, 126, 2142-2147.	13.7	80
147	A hydrogel system for stimulus-responsive, oxygen-sensitive in situ gelation. Journal of Biomaterials Science, Polymer Edition, 2004, 15, 895-904.	3.5	42
148	Water-borne,in situcrosslinked biomaterials from phase-segregated precursors. Journal of Biomedical Materials Research - Part A, 2003, 64A, 447-456.	4.0	90
149	Cell-Responsive Synthetic Hydrogels. Advanced Materials, 2003, 15, 888-892.	21.0	486
150	Photopolymerized hyaluronic acid-based hydrogels and interpenetrating networks. Biomaterials, 2003, 24, 893-900.	11.4	373
151	Chemisorbed poly(propylene sulphide)-based copolymers resist biomolecular interactions. Nature Materials, 2003, 2, 259-264.	27.5	214
152	Michael-Type Addition as a Tool for Surface Functionalization. Bioconjugate Chemistry, 2003, 14, 967-973.	3.6	60
153	Precise Determination of the Hydrophobic/Hydrophilic Junction in Polymeric Vesicles. Langmuir, 2003, 19, 4852-4855.	3.5	27
154	Supported ATRP and giant polymers. Chemical Communications, 2003, , 1600.	4.1	14
155	Molecularly controlled blending of metals and organic metals with polyolefins for the preparation of materials with modulated optical properties. Macromolecular Symposia, 2003, 204, 59-70.	0.7	12
156	Lyotropic Behavior in Water of Amphiphilic ABA Triblock Copolymers Based on Poly(propylene sulfide) and Poly(ethylene glycol). Langmuir, 2002, 18, 8324-8329.	3.5	71
157	A New Living Emulsion Polymerization Mechanism:Â Episulfide Anionic Polymerization. Macromolecules, 2002, 35, 8688-8693.	4.8	75
158	Poly(ethylene glycol) block copolymers. Reviews in Molecular Biotechnology, 2002, 90, 3-15.	2.8	58
159	Photopolymerized hyaluronic acid-based hydrogels and interpenetrating networks. , 2002, , 203-210.		5
160	Thick Coating and Functionalization of Organic Surfaces via ATRP in Water. Macromolecular Rapid Communications, 2002, 23, 417.	3.9	39
161	Materials for cell encapsulation via a new tandem approach combining reverse thermal gelation and covalent crosslinking. Macromolecular Chemistry and Physics, 2002, 203, 1466-1472.	2.2	83
162	Atom Transfer Radical Polymerization as a Tool for Surface Functionalization. Advanced Materials, 2002, 14, 1239-1241.	21.0	77

#	Article	IF	Citations
163	Systematic Modulation of Michael-Type Reactivity of Thiols through the Use of Charged Amino Acids. Bioconjugate Chemistry, 2001, 12, 1051-1056.	3.6	334
164	New Synthetic Methodologies for Amphiphilic Multiblock Copolymers of Ethylene Glycol and Propylene Sulfide. Macromolecules, 2001, 34, 8913-8917.	4.8	137
165	Processable Fully Aromatic Quinoline-Based Polymers. Macromolecules, 2001, 34, 3607-3614.	4.8	25
166	New Terthiophene Derivatives for Ultrahigh Molecular Weight Polyethylene-Based Absorption Polarizers. Macromolecules, 2001, 34, 2129-2137.	4.8	44
167	Synthesis and polymerization of amphiphilic methacrylates containing permanent dipole azobenzene chromophores. Journal of Polymer Science Part A, 2001, 39, 2957-2977.	2.3	16
168	Blends of functionalized terthiophenes with polyethylene as materials for new linear polarizers. Polymers for Advanced Technologies, 2001, 12, 223-230.	3.2	9
169	Characterization of acrylic resins and fluoroelastomer blends as potential materials in stone protection. Polymer International, 2000, 49, 888-892.	3.1	24
170	Structureâ€“activity relationship of new NLO organic materials based on pushâ€“pull azodyes: 4. Side chain polymers. Polymer, 2000, 41, 415-421.	3.8	27
171	Thermotropic behaviour of covalent fullerene adducts displaying 4-cyano-4â€²-oxybiphenyl mesogens. Perkin Transactions II RSC, 2000, , 193-198.	1.1	56
172	Synthesis and characterisation of polyesters with nonlinear optical properties. Polymer, 1999, 40, 4923-4928.	3.8	30
173	Nonlinear optical properties of some side chain copolymers based on benzoxazole containing chromophores. Journal of Polymer Science Part A, 1999, 37, 603-608.	2.3	29
174	Methacrylic polymers containing permanent dipole azobenzene chromophores spaced from the main chain.13C NMR spectra and photochromic properties. Macromolecular Chemistry and Physics, 1999, 200, 601-608.	2.2	9
175	Variations in the diallyldimethylammonium chloride (DADMAC) polymers architectures: PEG/DADMAC blocks and partially quaternarized polymers. Macromolecular Chemistry and Physics, 1999, 200, 1068-1073.	2.2	11
176	Plasticizer-Free Optode Membranes for Dissolved Amines Based on Copolymers from Alkyl Methacrylates and the Fluoro Reactand ETHT 4014. Analytical Chemistry, 1999, 71, 1534-1539.	6.5	31
177	Donorâ^'Acceptor-Substituted Phenylethenyl Bithiophenes:Â Highly Efficient and Stable Nonlinear Optical Chromophores. Organic Letters, 1999, 1, 1847-1849.	4.6	109
178	Liquid crystal polymers containing permanent dipole azobenzene chromophores. Macromolecular Symposia, 1999, 137, 33-46.	0.7	7
179	Development of Chromogenic Copolymers for Optical Detection of Amines. Advanced Materials, 1998, 10, 1353-1357.	21.0	45
180	Investigation on the wettability properties of thin films of methacrylic polymers with partially fluorinated side chains. Macromolecular Chemistry and Physics, 1998, 199, 2425-2431.	2.2	19

#	Article	IF	Citations
181	Structure-Activity Relationship of New Organic NLO Materials Based on Push-Pull Azodyes. 1. Synthesis and molecular properties of the dyes. Journal FÃ¼r Praktische Chemie, Chemiker-Zeitung, 1998, 340, 122-128.	0.5	16
182	Structureâ^'Activity Relationship of New Nonlinear Optical Organic Materials Based on Pushâ^'Pull Azo Dyes. 3. Guestâ^'Host Systems. Macromolecules, 1998, 31, 2152-2159.	4.8	31
183	4-Vinylazobenzene:Â Polymerizability and Photochromic Properties of Its Polymers. Macromolecules, 1997, 30, 1298-1303.	4.8	24
184	Chiral methacrylic polymers containing permanent dipole azobenzene chromophores. 13C NMR spectra and photochromic properties. Macromolecular Chemistry and Physics, 1997, 198, 1739-1752.	2.2	37
185	Synthesis and photobehaviour of hydrophilic acrylic polymers containing azobenzene groups. Macromolecular Chemistry and Physics, 1995, 196, 3229-3242.	2.2	4
186	Photochromic polymers: effects of structure and environment on photoresponsiveness. Polymers for Advanced Technologies, 1995, 6, 32-41.	3.2	7
187	Photomodulation of the hydrophilic properties of acrylic polymers containing side-chain azobenzene chromophores. Canadian Journal of Chemistry, 1995, 73, 1849-1854.	1.1	8
188	Smart Nano-Systems and Inflammatory Reactions. Advanced Materials Research, 0, 745, 167-172.	0.3	0