

# Andreas Lendlein

## List of Publications by Year in descending order

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Version: 2024-02-01

646  
papers

27,199  
citations

11608

70  
h-index

7718

150  
g-index

678  
all docs

678  
docs citations

678  
times ranked

17934  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiblock copolymers type PDC – A family of multifunctional biomaterials for regenerative medicine. <i>Clinical Hemorheology and Microcirculation</i> , 2022, 80, 327-341.	0.9	2
2	4D-actuators by 3D-printing combined with water-based curing. <i>Materials Today Communications</i> , 2022, 30, 102966.	0.9	4
3	Thin-layer studies on surface functionalization of polyetherimide: Hydrolysis versus amidation. <i>Journal of Materials Research</i> , 2022, 37, 67-76.	1.2	1
4	On Demand Sequential Release of (Sub)Micron Particles Controlled by Size and Temperature. <i>Small</i> , 2022, 18, e2104621.	5.2	2
5	Chemical modification of uridine modulates mRNA-mediated proinflammatory and antiviral response in primary human macrophages. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 854-869.	2.3	21
6	Roadmap on soft robotics: multifunctionality, adaptability and growth without borders. <i>Multifunctional Materials</i> , 2022, 5, 032001.	2.4	37
7	An Inverse Shape-Memory Hydrogel Scaffold Switching Upon Cooling in a Tissue-Tolerated Temperature Range. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	1
8	Opportunities and challenges for integrating the development of sustainable polymer materials within an international circular (bio)economy concept. <i>MRS Energy &amp; Sustainability</i> , 2022, 9, 28-34.	1.3	20
9	Co-delivery of genes can be confounded by bicistronic vector design. <i>MRS Communications</i> , 2022, 12, 1-9.	0.8	0
10	Ultrathin collagen type I films formed at the air-water interface. <i>MRS Advances</i> , 2022, 7, 56-62.	0.5	0
11	Analytical model and Monte Carlo simulations of polymer degradation with improved chain cut statistics. <i>Journal of Materials Research</i> , 2022, 37, 1093-1101.	1.2	3
12	In Vivo Performance of a Cell and Factor Free Multifunctional Fiber Mesh Modulating Postinfarct Myocardial Remodeling. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	3
13	Design and fabrication of fiber mesh actuators. <i>Applied Materials Today</i> , 2022, 29, 101562.	2.3	1
14	Electrical Actuation of Coated and Composite Fibers Based on Poly[ethylene-co (vinyl acetate)]. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000579.	1.7	11
15	Dihydroxy terminated teroligomers from morpholine-2,5-diones. <i>European Polymer Journal</i> , 2021, 143, 110189.	2.6	4
16	Microparticles from glycidylmethacrylated gelatin as cell carriers prepared in an aqueous two-phase system. <i>European Polymer Journal</i> , 2021, 142, 110148.	2.6	5
17	Impact of block sequence on the phase morphology of multiblock copolymers obtained by high-throughput robotic synthesis. <i>European Polymer Journal</i> , 2021, 143, 110207.	2.6	6
18	Venous and Arterial Endothelial Cells from Human Umbilical Cords: Potential Cell Sources for Cardiovascular Research. <i>International Journal of Molecular Sciences</i> , 2021, 22, 978.	1.8	13

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19	Response of Endothelial Cells to Gelatin-Based Hydrogels. ACS Biomaterials Science and Engineering, 2021, 7, 527-540.	2.6	26
20	Potential Effects of Nonadherent on Adherent Human Umbilical Venous Endothelial Cells in Cell Culture. International Journal of Molecular Sciences, 2021, 22, 1493.	1.8	2
21	Enzymatically Triggered Jack-in-the-Box-like Hydrogels. ACS Applied Materials & Interfaces, 2021, 13, 8095-8101.	4.0	2
22	Phase Morphology of Multiblock Copolymers Differing in Sequence of Blocks. Macromolecular Materials and Engineering, 2021, 306, 2000672.	1.7	2
23	Anisotropy Effects in the Shape-Memory Performance of Polymer Foams. Macromolecular Materials and Engineering, 2021, 306, 2000730.	1.7	4
24	Effect of Water on Crystallization and Melting of Telechelic Oligo( $\mu$ -caprolactone)s in Ultrathin Films. Advanced Materials Interfaces, 2021, 8, 2001940.	1.9	1
25	Assessing the Influence of Temperature-Memory Creation on the Degradation of Copolyesterurethanes in Ultrathin Films. Advanced Materials Interfaces, 2021, 8, 2001926.	1.9	5
26	Biofunction of Polydopamine Coating in Stem Cell Culture. ACS Applied Materials & Interfaces, 2021, 13, 10748-10759.	4.0	31
27	Structure, mechanical properties and degradation behavior of electrospun PEEU fiber meshes and films. MRS Advances, 2021, 6, 276-282.	0.5	2
28	Thiol-Thioester Exchange Reactions in Precursors Enable pH-Triggered Hydrogel Formation. Biomacromolecules, 2021, 22, 1875-1884.	2.6	11
29	Formulation of drug-loaded oligodepsipeptide particles with submicron size. Clinical Hemorheology and Microcirculation, 2021, 77, 201-219.	0.9	0
30	Highly crystalline PCL ultrathin films as thermally switchable biomaterial coatings. MRS Advances, 2021, 6, 283-290.	0.5	1
31	Cactus-inspired design principles for soft robotics based on 3D printed hydrogel-elastomer systems. Materials and Design, 2021, 202, 109515.	3.3	35
32	Semi-Crystalline Oligomers: Effect of Water on Crystallization and Melting of Telechelic Oligo( $\mu$ -caprolactone)s in Ultrathin Films (Adv. Mater. Interfaces 7/2021). Advanced Materials Interfaces, 2021, 8, 2170035.	1.9	0
33	Fiber diameter as design parameter for tailoring the macroscopic shape-memory performance of electrospun meshes. Materials and Design, 2021, 202, 109546.	3.3	12
34	Structural performance of a climbing cactus: making the most of softness. Journal of the Royal Society Interface, 2021, 18, 20210040.	1.5	7
35	Thermally-Induced Shape-Memory Behavior of Degradable Gelatin-Based Networks. International Journal of Molecular Sciences, 2021, 22, 5892.	1.8	10
36	The influence of different rewetting procedures on the thrombogenicity of nanoporous poly(ether) Tj ETQq0 0 0 rgBT <sub>9</sub> /Overlock 10 Tf 50		

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37	Soft, Formstable (Co)Polyester Blend Elastomers. <i>Nanomaterials</i> , 2021, 11, 1472.	1.9	3
38	Hydrolytic stability of polyetherimide investigated in ultrathin films. <i>Journal of Materials Research</i> , 2021, 36, 2987-2994.	1.2	1
39	Non-woven shape-memory polymer blend actuators. <i>MRS Advances</i> , 2021, 6, 781-785.	0.5	3
40	Origami hand for soft robotics driven by thermally controlled polymeric fiber actuators. <i>MRS Communications</i> , 2021, 11, 476-482.	0.8	8
41	Effect of Endothelial Culture Medium Composition on Platelet Responses to Polymeric Biomaterials. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7006.	1.8	1
42	Approaches of combining a 3D-printed elastic structure and a hydrogel to create models for plant-inspired actuators. <i>MRS Advances</i> , 2021, 6, 625-630.	0.5	6
43	Polydopamine-based biofunctional substrate coating promotes mesenchymal stem cell migration. <i>MRS Advances</i> , 2021, 6, 739-744.	0.5	6
44	Periodic thermomechanical modulation of toll-like receptor expression and distribution in mesenchymal stromal cells. <i>MRS Communications</i> , 2021, 11, 425-431.	0.8	2
45	Reaction behaviour of peptide-based single thiol-thioesters exchange reaction substrate in the presence of externally added thiols. <i>MRS Communications</i> , 2021, 11, 402-410.	0.8	1
46	Cooligomers from morpholine-2,5-dione and para-dioxanone and catalyst complex SnOct2/2-hydroxyethyl sulfide. <i>MRS Advances</i> , 2021, 6, 764-768.	0.5	0
47	Functionalizable coaxial PLLA/PDLA nanofibers with stereocomplexes at the internal interface. <i>Journal of Materials Research</i> , 2021, 36, 2995-3009.	1.2	3
48	Bio-inspired and computer-supported design of modulated shape changes in polymer materials. <i>MRS Communications</i> , 2021, 11, 462-469.	0.8	0
49	Size control of shape switchable micronetworks by fast two-step microfluidic templating. <i>Journal of Materials Research</i> , 2021, 36, 3248-3257.	1.2	0
50	Defeating antibiotic-resistant bacteria with protein-resistant polyGGE film. <i>Clinical Hemorheology and Microcirculation</i> , 2021, , 1-15.	0.9	0
51	Influence of sterilization conditions on sulfate-functionalized polyGGE. <i>Clinical Hemorheology and Microcirculation</i> , 2021, 79, 597-608.	0.9	0
52	Cellular response of blood-borne immune cells to PEEU fiber meshes. <i>Clinical Hemorheology and Microcirculation</i> , 2021, 79, 205-216.	0.9	1
53	Multifunctionality as design principle for contact lens materials. <i>Multifunctional Materials</i> , 2021, 4, 042001.	2.4	3
54	The response of human-induced pluripotent stem cells to cyclic temperature changes explored by BIO-AFM. <i>MRS Advances</i> , 2021, 6, 745.	0.5	0

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55	Shape-Memory Polymers Designed in View of Thermomechanical Energy Storage and Conversion Systems. ACS Central Science, 2021, 7, 1599-1601.	5.3	1
56	Establishment of an in vitro thrombogenicity test system with cyclic olefin copolymer substrate for endothelial layer formation. MRS Communications, 2021, 11, 1-9.	0.8	2
57	Generation of 2.5D lung bud organoids from human induced pluripotent stem cells. Clinical Hemorheology and Microcirculation, 2021, 79, 217-230.	0.9	3
58	Multifunctionality in Polymer Networks by Dynamic of Coordination Bonds. Macromolecular Chemistry and Physics, 2021, 222, 2000394.	1.1	3
59	Switching microobjects from low to high aspect ratios using a shape-memory effect. Soft Matter, 2021, 17, 9326-9331.	1.2	2
60	Crystallization and degradation behaviour of multiblock copolyester blends in Langmuir monolayers. MRS Communications, 2021, 11, 850-855.	0.8	0
61	Hydrogel networks by aliphatic dithiol Michael addition to glycidylmethacrylated gelatin. MRS Advances, 2021, 6, 796-800.	0.5	2
62	Designing Cardiovascular Implants Taking in View the Endothelial Basement Membrane. International Journal of Molecular Sciences, 2021, 22, 13120.	1.8	6
63	AFM Assessment of the Mechanical Properties of Stem Cells During Differentiation. MRS Advances, 2020, 5, 601-607.	0.5	2
64	Matching Magnetic Heating and Thermal Actuation for Sequential Coupling in Hybrid Composites by Design. Macromolecular Rapid Communications, 2020, 41, 1900440.	2.0	4
65	Investigating the Phase-Morphology of PLLA-PCL Multiblock Copolymer / PDLA Blends Cross-linked Using Stereocomplexation. MRS Advances, 2020, 5, 699-707.	0.5	1
66	Polymeric sheet actuators with programmable bioinstructivity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1895-1901.	3.3	13
67	Fundamental insights in PLGA degradation from thin film studies. Journal of Controlled Release, 2020, 319, 276-284.	4.8	34
68	Coaxial electrospinning of PEEU/gelatin to fiber meshes with enhanced mesenchymal stem cell attachment and proliferation. Clinical Hemorheology and Microcirculation, 2020, 74, 53-66.	0.9	12
69	Solvent-based Fabrication Method for Magnetic, Shape-Memory Nanocomposite Foams. MRS Advances, 2020, 5, 785-795.	0.5	2
70	The interplay between network morphology and degradation kinetics of polymers: Theoretical and experimental analysis by means of a 2D model system. MRS Advances, 2020, 5, 679-691.	0.5	0
71	Relation between Surface Area and Surface Potential Change during (co)Polyesters Degradation as Langmuir Monolayer. MRS Advances, 2020, 5, 667-677.	0.5	3
72	Elasticity of fiber meshes from multiblock copolymers influences endothelial cell behavior. Clinical Hemorheology and Microcirculation, 2020, 74, 405-415.	0.9	5

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73	Unraveling the Interplay between Abiotic Hydrolytic Degradation and Crystallization of Bacterial Polyesters Comprising Short and Medium Side-Chain-Length Polyhydroxyalkanoates. <i>Biomacromolecules</i> , 2020, 21, 761-771.	2.6	13
74	Shape-Memory Effect by Sequential Coupling of Functions over Different Length Scales in an Architected Hydrogel. <i>Biomacromolecules</i> , 2020, 21, 680-687.	2.6	5
75	Self-stabilized fibronectin films at the air/water interface. <i>MRS Advances</i> , 2020, 5, 609-620.	0.5	1
76	Fine-tuning of Rat Mesenchymal Stem Cell Senescence via Microtopography of Polymeric Substrates. <i>MRS Advances</i> , 2020, 5, 643-653.	0.5	1
77	Predictive topography impact model for Electrical Discharge Machining (EDM) of metal surfaces. <i>MRS Advances</i> , 2020, 5, 621-632.	0.5	3
78	Controlling Actuation Performance in Physically Cross-Linked Polylactone Blends Using Polylactide Stereocomplexation. <i>Biomacromolecules</i> , 2020, 21, 338-348.	2.6	18
79	Strain recovery and stress relaxation behaviour of multiblock copolymer blends physically cross-linked with PLA stereocomplexation. <i>Polymer</i> , 2020, 209, 122984.	1.8	13
80	Spheroid formation of human keratinocyte: Balancing between cell-substrate and cell-cell interaction. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 76, 329-340.	0.9	3
81	Strategies for simultaneous and successive delivery of RNA. <i>Journal of Molecular Medicine</i> , 2020, 98, 1767-1779.	1.7	8
82	Influence of Depolymerases and Lipases on the Degradation of Polyhydroxyalkanoates Determined in Langmuir Degradation Studies. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000872.	1.9	25
83	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000216.	1.1	69
84	Polyester urethane functionalizable through maleimide side-chains and cross-linkable by polylactide stereocomplexes. <i>European Polymer Journal</i> , 2020, 137, 109916.	2.6	6
85	Alkynyl-functionalized chain-extended PCL for coupling to biological molecules. <i>European Polymer Journal</i> , 2020, 136, 109908.	2.6	4
86	Polymeric Microcuboids Programmable for Temperature-Responsive Memory. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000333.	1.7	4
87	Glucose-responsive shape-memory cryogels. <i>Journal of Materials Research</i> , 2020, 35, 2396-2404.	1.2	10
88	Intracardiac echocardiography to enable successful edge-to-edge transcatheter tricuspid valve repair in patients with insufficient TEE quality. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 76, 199-210.	0.9	12
89	Supramolecular Gelatin Networks Based on Inclusion Complexes. <i>Macromolecular Bioscience</i> , 2020, 20, e2000221.	2.1	6
90	Polyetheresterurethane Based Porous Scaffolds with Tailorable Architectures by Supercritical CO <sub>2</sub> Foaming. <i>MRS Advances</i> , 2020, 5, 2317-2330.	0.5	4

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91	The effects of oscillatory temperature on HaCaT keratinocyte behaviors. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 76, 317-327.	0.9	1
92	Surface hydrophilization of highly porous poly(ether imide) microparticles by covalent attachment of poly(vinyl pyrrolidone). <i>Polymer</i> , 2020, 210, 123045.	1.8	2
93	Salt-Induced Shape-Memory Effect in Gelatin-Based Hydrogels. <i>Biomacromolecules</i> , 2020, 21, 2024-2031.	2.6	18
94	Modulation of Mesenchymal Stem Cell Migration using Programmable Polymer Sheet Actuators. <i>MRS Advances</i> , 2020, 5, 2381-2390.	0.5	0
95	Thin hydrogel coatings formation catalyzed by immobilized enzyme horseradish peroxidase. <i>MRS Advances</i> , 2020, 5, 773-783.	0.5	0
96	Aptamer supported in vitro endothelialization of poly(ether imide) films. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 75, 201-217.	0.9	3
97	Quantitative Model and Thin Film Studies Relating Molecular Architecture and Degradation of Multifunctional Materials. <i>Cell Reports Physical Science</i> , 2020, 1, 100009.	2.8	2
98	Shape-Memory Actuation of Individual Micro-/Nanofibers. <i>MRS Advances</i> , 2020, 5, 2391-2399.	0.5	2
99	In vivo biocompatibility study of degradable homo- versus multiblock copolymers and their (micro)structure compared to an established biomaterial. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 75, 163-176.	0.9	8
100	mRNA Transfection-Induced Activation of Primary Human Monocytes and Macrophages: Dependence on Carrier System and Nucleotide Modification. <i>Scientific Reports</i> , 2020, 10, 4181.	1.6	33
101	Shape-Programmable Architected Hydrogels Sensitive to Ultrasound. <i>Macromolecular Rapid Communications</i> , 2020, 41, 1900658.	2.0	5
102	In vitro Degradation Analysis of 3D-architected Gelatin-based Hydrogels. <i>MRS Advances</i> , 2020, 5, 633-642.	0.5	3
103	Bio-based composites from plant based precursors and hydroxyapatite with shape-memory capability. <i>Composites Science and Technology</i> , 2020, 194, 108138.	3.8	21
104	Developing Advanced Functional Polymers for Biomedical Applications. <i>Biomacromolecules</i> , 2020, 21, 273-275.	2.6	17
105	Actuators Based on Oligo[( $\mu$ -caprolactone)-co-glycolide] with Accelerated Hydrolytic Degradation. <i>MRS Advances</i> , 2020, 5, 655-666.	0.5	0
106	Functional requirements for polymeric implant materials in head and neck surgery. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 76, 179-189.	0.9	0
107	Understanding the impact of crystal lamellae organization on small molecule diffusion using a Monte Carlo approach. <i>MRS Advances</i> , 2020, 5, 2737-2749.	0.5	2
108	Perfluorophenyl azide functionalization of electrospun poly( para - $\epsilon$ -dioxanone). <i>Polymers for Advanced Technologies</i> , 2019, 30, 1165-1172.	1.6	1

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109	Shape-Memory Polymer Medical Devices. , 2019, , 394-405.		0
110	Phagocytosis of spherical and ellipsoidal micronetwork colloids from crosslinked poly( $\mu$ -caprolactone). International Journal of Pharmaceutics, 2019, 567, 118461.	2.6	11
111	Chemoresponsive Shape-Memory Effect of Rhodium-Phosphine Coordination Polymer Networks. Chemistry of Materials, 2019, 31, 5402-5407.	3.2	18
112	Reversible 2D networks of oligo( $\mu$ -caprolactone) at the air-water interface. Biomedical Materials (Bristol), 2019, 14, 034103.	1.7	9
113	In Vitro Thrombogenicity Testing of Biomaterials. Advanced Healthcare Materials, 2019, 8, e1900527.	3.9	54
114	Characterization of Tissue Transglutaminase as a Potential Biomarker for Tissue Response toward Biomaterials. ACS Biomaterials Science and Engineering, 2019, 5, 5979-5989.	2.6	5
115	Bioprospectives for Shape-Memory Polymers as Shape Programmable, Active Materials. Biomacromolecules, 2019, 20, 3627-3640.	2.6	66
116	Mechanical characterization of electrospun polyesteretherurethane (PEEU) meshes by atomic force microscopy. Clinical Hemorheology and Microcirculation, 2019, 73, 229-236.	0.9	4
117	Microscale roughness regulates laminin-5 secretion of bone marrow mesenchymal stem cells. Clinical Hemorheology and Microcirculation, 2019, 73, 237-247.	0.9	12
118	The effect of stiffness variation of electrospun fiber meshes of multiblock copolymers on the osteogenic differentiation of human mesenchymal stem cells. Clinical Hemorheology and Microcirculation, 2019, 73, 219-228.	0.9	6
119	Temperature-induced evolution of microstructures on poly[ethylene-co-(vinyl acetate)] substrates switches their underwater wettability. Materials and Design, 2019, 163, 107530.	3.3	6
120	Shear-induced platelet adherence and activation in an in-vitro dynamic multiwell-plate system. Clinical Hemorheology and Microcirculation, 2019, 71, 183-191.	0.9	8
121	Hydrolytic stability of aliphatic poly(carbonate-urea-urethane)s: Influence of hydrocarbon chain length in soft segment. Polymer Degradation and Stability, 2019, 161, 283-297.	2.7	13
122	Shape-Memory Polymers. Polymers and Polymeric Composites, 2019, , 605-663.	0.6	8
123	Amides as Non-polymerizable Catalytic Adjuncts Enable the Ring-Opening Polymerization of Lactide With Ferrous Acetate Under Mild Conditions. Frontiers in Chemistry, 2019, 7, 346.	1.8	3
124	Shape-Memory Polymers. Polymers and Polymeric Composites, 2019, , 1-59.	0.6	0
125	Dedifferentiation of mature adipocytes with periodic exposure to cold. Clinical Hemorheology and Microcirculation, 2019, 71, 415-424.	0.9	5
126	Molecular Insights into the Physical Adsorption of Amphiphilic Protein PhaF onto Copolyester Surfaces. Biomacromolecules, 2019, 20, 3242-3252.	2.6	18



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127	Temperature-controlled reversible pore size change of electrospun fibrous shape-memory polymer actuator based meshes. <i>Smart Materials and Structures</i> , 2019, 28, 055037.	1.8	27
128	Programmable microscale stiffness pattern of flat polymeric substrates by temperature-memory technology. <i>MRS Communications</i> , 2019, 9, 181-188.	0.8	2
129	Quadruple-shape hydrogels. <i>Smart Materials and Structures</i> , 2019, 28, 055026.	1.8	6
130	Oligodepsipeptide (nano)carriers: Computational design and analysis of enhanced drug loading. <i>Journal of Controlled Release</i> , 2019, 301, 146-156.	4.8	20
131	Interfacial properties of morpholine-2,5-dione-based oligodepsipeptides and multiblock copolymers. <i>MRS Communications</i> , 2019, 9, 170-180.	0.8	2
132	Microscopic analysis of shape-shiftable oligo ( $\mu$ -caprolactone) based particles. <i>MRS Advances</i> , 2019, 4, 3199-3206.	0.5	0
133	Thiol Michael-Type Reactions of Optically Active Mercapto-Acids in Aqueous Medium. <i>MRS Advances</i> , 2019, 4, 2515-2525.	0.5	2
134	Substrate-enzyme affinity-based surface modification strategy for endothelial cell-specific binding under shear stress. <i>Clinical Hemorheology and Microcirculation</i> , 2019, 75, 1-14.	0.9	2
135	Enhancement of human induced pluripotent stem cells adhesion through multilayer laminin coating. <i>Clinical Hemorheology and Microcirculation</i> , 2019, 70, 531-542.	0.9	2
136	Reprogrammable recovery and actuation behaviour of shape-memory polymers. <i>Nature Reviews Materials</i> , 2019, 4, 116-133.	23.3	450
137	Evaluation of human mesenchymal stem cell senescence, differentiation and secretion behavior cultured on polycarbonate cell culture inserts. <i>Clinical Hemorheology and Microcirculation</i> , 2019, 70, 573-583.	0.9	5
138	Langmuir Monolayers as Tools to Study Biodegradable Polymer Implant Materials. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800611.	2.0	17
139	Modulating human mesenchymal stem cells using poly(n-butyl acrylate) networks in vitro with elasticity matching human arteries. <i>Clinical Hemorheology and Microcirculation</i> , 2019, 71, 277-289.	0.9	4
140	Endothelial cell migration, adhesion and proliferation on different polymeric substrates. <i>Clinical Hemorheology and Microcirculation</i> , 2019, 70, 511-529.	0.9	9
141	Collagen type-IV Langmuir and Langmuir-SchÄfer layers as model biointerfaces to direct stem cell adhesion. <i>Biomedical Materials (Bristol)</i> , 2019, 14, 024101.	1.7	11
142	Shape memory nanocomposite fibers for untethered high-energy microengines. <i>Science</i> , 2019, 365, 155-158.	6.0	151
143	Effects of extracts prepared from modified porous poly(ether imide) microparticulate absorbers on cytotoxicity, macrophage differentiation and proinflammatory behavior of human monocytic (THP-1) cells. <i>Clinical Hemorheology and Microcirculation</i> , 2018, 69, 175-185.	0.9	1
144	Albumin solder covalently bound to a polymer membrane: New approach to improve binding strength in laser tissue soldering in-vitro. <i>Clinical Hemorheology and Microcirculation</i> , 2018, 69, 317-326.	0.9	5

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145	Revival of transcatheter PFO closure: A meta-analysis of randomized controlled trials - impact of shunt size and age. <i>American Heart Journal</i> , 2018, 201, 95-102.	1.2	8
146	Interplay between stiffness and degradation of architected gelatin hydrogels leads to differential modulation of chondrogenesis in vitro and in vivo. <i>Acta Biomaterialia</i> , 2018, 69, 83-94.	4.1	52
147	Sequential alkyne-azide cycloadditions for functionalized gelatin hydrogel formation. <i>European Polymer Journal</i> , 2018, 100, 77-85.	2.6	16
148	Influence of different surface treatments of poly(n-butyl acrylate) networks on fibroblasts adhesion, morphology and viability. <i>Clinical Hemorheology and Microcirculation</i> , 2018, 69, 305-316.	0.9	5
149	Implementing and Quantifying the Shape-Memory Effect of Single Polymeric Micro/Nanowires with an Atomic Force Microscope. <i>ChemPhysChem</i> , 2018, 19, 2078-2084.	1.0	12
150	The influence of pH on the molecular degradation mechanism of PLGA. <i>MRS Advances</i> , 2018, 3, 3883-3889.	0.5	10
151	Torsional Fiber Actuators from Shape-memory Polymer. <i>MRS Advances</i> , 2018, 3, 3861-3868.	0.5	7
152	Investigating the Roles of Crystallizable and Glassy Switching Segments within Multiblock Copolymer Shape-Memory Materials. <i>MRS Advances</i> , 2018, 3, 3741-3749.	0.5	0
153	Surface immobilization strategies for tyrosinase as biocatalyst applicable to polymer network synthesis. <i>MRS Advances</i> , 2018, 3, 3875-3881.	0.5	1
154	Polyethyleneimine and Poly(ethylene glycol) Functionalized Oligoester Based Polycationic Particles. <i>MRS Advances</i> , 2018, 3, 3033-3040.	0.5	0
155	Synthesis of Well-Defined Dihydroxy Telechelics by (Co)polymerization of Morpholine- $\epsilon$ , $\delta$ -Diones Catalyzed by Sn(IV) Alkoxide. <i>Macromolecular Bioscience</i> , 2018, 18, e1800257.	2.1	8
156	Multifunctional materials: concepts, function-structure relationships, knowledge-based design, translational materials research. <i>Multifunctional Materials</i> , 2018, 1, 010201.	2.4	82
157	Fabrication of reprogrammable shape-memory polymer actuators for robotics. <i>Science Robotics</i> , 2018, 3, .	9.9	78
158	Reprogrammable, magnetically controlled polymeric nanocomposite actuators. <i>Materials Horizons</i> , 2018, 5, 861-867.	6.4	46
159	Smart Materials. <i>ChemPhysChem</i> , 2018, 19, 1938-1940.	1.0	4
160	Extractable Free Polymer Chains Enhance Actuation Performance of Crystallizable Poly( $\mu$ -caprolactone) Networks and Enable Self-Healing. <i>Polymers</i> , 2018, 10, 255.	2.0	10
161	The predictive value of a modified Carpentier classification in patients with coincidental mitral regurgitation undergoing TAVI for severe aortic valve stenosis <sup>1</sup> . <i>Clinical Hemorheology and Microcirculation</i> , 2018, 70, 15-25.	0.9	1
162	Comparison of two substrate materials used as negative control in endothelialization studies: Glass versus polymeric tissue culture plate. <i>Clinical Hemorheology and Microcirculation</i> , 2018, 69, 437-445.	0.9	5

#	ARTICLE	IF	CITATIONS
163	A multifunctional multimaterial system for on-demand protein release. <i>Journal of Controlled Release</i> , 2018, 284, 240-247.	4.8	14
164	Reversible Actuation of Thermoplastic Multiblock Copolymers with Overlapping Thermal Transitions of Crystalline and Glassy Domains. <i>Macromolecules</i> , 2018, 51, 4624-4632.	2.2	25
165	<i>In vivo</i> biocompatibility assessment of poly(ether imide) electrospun scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 1034-1044.	1.3	14
166	Microgels from microfluidic templating and photoinduced crosslinking of cinnamylidene acetic acid modified precursors. <i>Reactive and Functional Polymers</i> , 2017, 112, 68-73.	2.0	2
167	Surface geometry of poly(ether imide) boosts mouse pluripotent stem cell spontaneous cardiomyogenesis via modulating the embryoid body formation process. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 64, 367-382.	0.9	2
168	Omnidirectional Shape Memory Effect via Lyophilization of PEG Hydrogels. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600746.	2.0	20
169	Inflammatory responses of primary human dendritic cells towards polydimethylsiloxane and polytetrafluoroethylene. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 64, 899-910.	0.9	12
170	Shape-Memory Hydrogels: Evolution of Structural Principles To Enable Shape Switching of Hydrophilic Polymer Networks. <i>Accounts of Chemical Research</i> , 2017, 50, 723-732.	7.6	245
171	Influence of nanoporous poly(ether imide) particle extracts on human aortic endothelial cells (HAECs). <i>Clinical Hemorheology and Microcirculation</i> , 2017, 64, 931-940.	0.9	2
172	Evaluating polymeric biomaterial–environment interfaces by Langmuir monolayer techniques. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20161028.	1.5	28
173	Design of polycationic micelles by self-assembly of polyethyleneimine functionalized oligo[ $\epsilon$ -caprolactone-co-glycolide] ABA block copolymers. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1278-1284.	1.6	11
174	Angiogenic potential of endothelial and tumor cells seeded on gelatin-based hydrogels in response to electrical stimulations. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 64, 941-949.	0.9	11
175	Two-Level Shape Changes of Polymeric Microcuboids Prepared from Crystallizable Copolymer Networks. <i>Macromolecules</i> , 2017, 50, 2518-2527.	2.2	18
176	Monolayer formation and shear-resistance of human vein endothelial cells on gelatin-based hydrogels with tailorable elasticity and degradability. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 64, 699-710.	0.9	4
177	Nanocarriers: Architecture, transport, and topical application of drugs for therapeutic use. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 116, 1-3.	2.0	3
178	Strategy for the hemocompatibility testing of microparticles. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 64, 345-353.	0.9	7
179	Morphological analysis of differently sized highly porous poly(ether imide) microparticles by mercury porosimetry. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1269-1277.	1.6	3
180	Design and processing of advanced functional polymers for medicine. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1203-1205.	1.6	2

#	ARTICLE	IF	CITATIONS
181	Effects of Tacrolimus or Sirolimus on the adhesion of vascular wall cells: Controlled in-vitro comparison study. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 67, 309-318.	0.9	8
182	Polydepsipeptide Block-Stabilized Polyplexes for Efficient Transfection of Primary Human Cells. <i>Biomacromolecules</i> , 2017, 18, 3819-3833.	2.6	15
183	Adipogenic differentiation of human adipose derived mesenchymal stem cells in 3D architected gelatin based hydrogels (ArcGel). <i>Clinical Hemorheology and Microcirculation</i> , 2017, 67, 297-307.	0.9	10
184	Folate receptor mediated genetic modification of human mesenchymal stem cells via folic acid-polyethylenimine-grafted poly(N-3-hydroxypropyl)aspartamide. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 67, 279-295.	0.9	2
185	Noncontinuously Responding Polymeric Actuators. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 33559-33564.	4.0	23
186	Transparent Substrates Prepared From Different Amorphous Polymers Can Directly Modulate Primary Human B cell functions. <i>Biotechnology Journal</i> , 2017, 12, 1700334.	1.8	0
187	Comment on: "Hemocompatibility of Superhydrophobic Titania Surfaces". <i>Advanced Healthcare Materials</i> , 2017, 6, 1700294.	3.9	1
188	Microwell Geometry Modulates Interleukin-6 Secretion in Human Mesenchymal Stem Cells. <i>MRS Advances</i> , 2017, 2, 2561-2570.	0.5	1
189	Langmuir-Schaefer films of fibronectin as designed biointerfaces for culturing stem cells. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1305-1311.	1.6	5
190	Integrin $\alpha 21$ activation by micro-scale curvature promotes pro-angiogenic secretion of human mesenchymal stem cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7415-7425.	2.9	13
191	Enzymatic action as switch of bulk to surface degradation of clicked gelatin-based networks. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1318-1324.	1.6	10
192	pH-sensitivity and Conformation Change of the N-terminal Methacrylated Peptide VK20. <i>MRS Advances</i> , 2017, 2, 2571-2579.	0.5	2
193	Engineering of cell-laden gelatin-based microgels for cell delivery and immobilization in regenerative therapies. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 67, 251-259.	0.9	6
194	Synthesis and Characterization of Multiblock Poly(Ester-Amide-Urethane)s. <i>MRS Advances</i> , 2017, 2, 2551-2559.	0.5	2
195	High-Strain Shape-Memory Properties of Poly(Carbonate-Urea-Urethane)s Based on Aliphatic Oligocarbonates and L-Lysine Diisocyanate. <i>MRS Advances</i> , 2017, 2, 2529-2536.	0.5	3
196	Bone regeneration induced by a 3D architected hydrogel in a rat critical-size calvarial defect. <i>Biomaterials</i> , 2017, 113, 158-169.	5.7	58
197	Controlling surface properties and permeability of polyglycerol network films. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1263-1268.	1.6	0
198	Poly[acrylonitrile-co-(N-vinyl pyrrolidone)] nanoparticles " Composition-dependent skin penetration enhancement of a dye probe and biocompatibility. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 116, 66-75.	2.0	11

#	ARTICLE	IF	CITATIONS
199	The influence of thermal treatment on the morphology in differently prepared films of a oligodepsipeptide based multiblock copolymer. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1339-1345.	1.6	7
200	Influence of surfactants on depsipeptide submicron particle formation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 116, 61-65.	2.0	5
201	Response of encapsulated cells to a gelatin matrix with varied bulk and microenvironmental elastic properties. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1245-1251.	1.6	5
202	Poly(carbonate-urea-urethane) networks exhibiting high-strain shape-memory effect. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1285-1293.	1.6	11
203	Influence of surface roughness on neural differentiation of human induced pluripotent stem cells. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 64, 355-366.	0.9	16
204	RGD constructs with physical anchor groups as polymer co-electrospinnable cell adhesives. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1312-1317.	1.6	3
205	Modulation of the mesenchymal stem cell migration capacity via preconditioning with topographic microstructure. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 67, 267-278.	0.9	2
206	Functional Nanoparticles and their Interactions with Mesenchymal Stem Cells. <i>Current Pharmaceutical Design</i> , 2017, 23, 3814-3832.	0.9	13
207	An ellipsometric approach towards the description of inhomogeneous polymer-based Langmuir layers. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1156-1165.	1.5	2
208	A double-layer patch design for local and controlled drug delivery as an intraoperative custom-made implant-coating technology. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2016, 14, 0-0.	0.7	0
209	Gelatin-based Hydrogel Degradation and Tissue Interaction <i>in vivo</i> : Insights from Multimodal Preclinical Imaging in Immunocompetent Nude Mice. <i>Theranostics</i> , 2016, 6, 2114-2128.	4.6	96
210	Water-Blown Polyurethane Foams Showing a Reversible Shape-Memory Effect. <i>Polymers</i> , 2016, 8, 412.	2.0	21
211	Evaluation of Electrospun PCL-PIBMD Meshes Modified with Plasmid Complexes in Vitro and in Vivo. <i>Polymers</i> , 2016, 8, 58.	2.0	14
212	Two phase microfluidics with inviscid drops: Effects of total flow rate and delayed surfactant addition. <i>MRS Advances</i> , 2016, 1, 2019-2024.	0.5	1
213	Influence of programming strain rates on the shape-memory performance of semicrystalline multiblock copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1935-1943.	2.4	11
214	Mechanical Properties of Architected Gelatin-Based Hydrogels on Different Hierarchical Levels. <i>MRS Advances</i> , 2016, 1, 1995-2001.	0.5	1
215	Influence of Compression Direction on the Shape-Memory Effect of Micro-Cylinder Arrays Prepared from Semi-Crystalline Polymer Networks. <i>MRS Advances</i> , 2016, 1, 1985-1993.	0.5	9
216	Platelets and coronary artery disease: Interactions with the blood vessel wall and cardiovascular devices. <i>Biointerphases</i> , 2016, 11, 029702.	0.6	33

#	ARTICLE	IF	CITATIONS
217	Adsorption capacity of poly(ether imide) microparticles to uremic toxins. <i>Clinical Hemorheology and Microcirculation</i> , 2016, 61, 657-665.	0.9	10
218	Stimuli Responsive and Multifunctional Polymers: Progress in Materials and Applications. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1856-1859.	2.0	9
219	Advanced Functional Polymers for Medicine. <i>Macromolecular Bioscience</i> , 2016, 16, 1743-1744.	2.1	4
220	Influence of metal softness on the metal-organic catalyzed polymerization of morpholin-2,5-diones to oligodepsipeptides. <i>European Polymer Journal</i> , 2016, 85, 139-149.	2.6	16
221	Architected Shape-Memory Hydrogels with Switching Segments Based on Oligo( $\mu$ -caprolactone). <i>MRS Advances</i> , 2016, 1, 2011-2017.	0.5	3
222	Effect of temperature on platelet adherence. <i>Clinical Hemorheology and Microcirculation</i> , 2016, 61, 681-688.	0.9	8
223	Effect of extracts of poly(ether imide) microparticles on cytotoxicity, ROS generation and proinflammatory effects on human monocytic (THP-1) cells. <i>Clinical Hemorheology and Microcirculation</i> , 2016, 61, 667-680.	0.9	9
224	Functional nanocarriers by miniaturization of polymeric materials. <i>Nanomedicine</i> , 2016, 11, 1507-1509.	1.7	6
225	Biodegradable Polymeric Materials. , 2016, , 65-96.		2
226	Supramolecular hydrogel networks formed by molecular recognition of collagen and a peptide grafted to hyaluronic acid. <i>Acta Biomaterialia</i> , 2016, 38, 1-10.	4.1	17
227	Programming structural functions in phase-segregated polymers by implementing a defined thermomechanical history. <i>Polymer</i> , 2016, 102, 54-62.	1.8	2
228	Hexyl-modified morpholine-2,5-dione-based oligodepsipeptides with relatively low glass transition temperature. <i>Polymer</i> , 2016, 105, 318-326.	1.8	10
229	Ultrasonic Cavitation Induced Shape-Memory Effect in Porous Polymer Networks. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1897-1903.	2.0	15
230	Trend to move from permanent metals to degradable, multifunctional polymer or metallic implants in the example of coronary stents. <i>Expert Review of Medical Devices</i> , 2016, 13, 1001-1003.	1.4	9
231	Thermally-Induced Triple-Shape Hydrogels: Soft Materials Enabling Complex Movements. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 28068-28076.	4.0	42
232	Generating Aptamers Interacting with Polymeric Surfaces for Biofunctionalization. <i>Macromolecular Bioscience</i> , 2016, 16, 1776-1791.	2.1	15
233	Engineering biodegradable micelles of polyethylenimine-based amphiphilic block copolymers for efficient DNA and siRNA delivery. <i>Journal of Controlled Release</i> , 2016, 242, 71-79.	4.8	47
234	Nanocarriers for drug delivery into and through the skin – Do existing technologies match clinical challenges?. <i>Journal of Controlled Release</i> , 2016, 242, 3-15.	4.8	116



#	ARTICLE	IF	CITATIONS
235	Polymer architecture versus chemical structure as adjusting tools for the enzymatic degradation of oligo( $\mu$ -caprolactone) based films at the air-water interface. <i>Polymer Degradation and Stability</i> , 2016, 131, 114-121.	2.7	14
236	Dermal Drug Delivery by Nanocarriers. <i>Journal of Controlled Release</i> , 2016, 242, 1-2.	4.8	6
237	The relevance of hydrophobic segments in multiblock copolyesterurethanes for their enzymatic degradation at the air-water interface. <i>Polymer</i> , 2016, 102, 92-98.	1.8	7
238	Melt-Processable Shape-Memory Hydrogels with Self-Healing Ability of High Mechanical Strength. <i>Macromolecules</i> , 2016, 49, 7442-7449.	2.2	120
239	Enzymatic Degradation of Oligo( $\mu$ -caprolactone)s End-Capped with Phenylboronic Acid Derivatives at the Air-Water Interface. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1966-1971.	2.0	5
240	Secondary Structure of Decorin-Derived Peptides in Solution. <i>MRS Advances</i> , 2016, 1, 1965-1970.	0.5	0
241	Recent advances in degradable lactide-based shape-memory polymers. <i>Advanced Drug Delivery Reviews</i> , 2016, 107, 136-152.	6.6	77
242	Adhesion and activation of platelets from subjects with coronary artery disease and apparently healthy individuals on biomaterials. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 210-217.	1.6	38
243	Purity of mushroom tyrosinase as a biocatalyst for biomaterial synthesis affects the stability of therapeutic peptides. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1718, 85-90.	0.1	1
244	Immuno-compatibility of desaminotyrosine and desaminotyrosyl tyrosine functionalized star-shaped oligo(ethylene glycol)s with different molecular weights. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1718, 97-102.	0.1	1
245	Influence of glycidylmethacrylate functional groups attached to gelatin on the formation and properties of hydrogels. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1718, 103-108.	0.1	3
246	Anisotropic Composites of Desaminotyrosine and Desaminotyrosyl Tyrosine Functionalized Gelatin and Bioactive Glass Microparticles. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1718, 9-14.	0.1	0
247	Robot Assisted Synthesis and Characterization of Polyester-based Polyurethanes. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1718, 109-115.	0.1	1
248	Photo-Reversibility of Cinnamylidene Acetic Acid Derived Crosslinks in Poly( $\mu$ -caprolactone) Networks. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1718, 49-54.	0.1	1
249	Thermomechanical Characterization of a Series of Crosslinked Poly[ethylene-co-(vinyl acetate)] (PEVA) Copolymers. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1718, 123-130.	0.1	2
250	PEI modified biodegradable complex micelles as gene transfer vector for proliferation of ECs. <i>Journal of Controlled Release</i> , 2015, 213, e60.	4.8	3
251	REDV-linked biodegradable polymeric micelles as the transfer vector of ZNF580 for the proliferation of endothelial cells. <i>Journal of Controlled Release</i> , 2015, 213, e123.	4.8	2
252	Advanced Functional Polymers Addressing the Needs of Modern Medicine. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1859-1861.	2.0	1

#	ARTICLE	IF	CITATIONS
253	The interaction of adipose-derived human mesenchymal stem cells and polyether ether ketone. <i>Clinical Hemorheology and Microcirculation</i> , 2015, 61, 301-321.	0.9	11
254	Quantification of adherent platelets on polymer-based biomaterials. Comparison of colorimetric and microscopic assessment. <i>Clinical Hemorheology and Microcirculation</i> , 2015, 61, 225-236.	0.9	14
255	The interaction of human macrophage subsets with silicone as a biomaterial. <i>Clinical Hemorheology and Microcirculation</i> , 2015, 61, 119-133.	0.9	16
256	Encasement of metallic cardiovascular stents with endothelial cell-selective copolyetheresterurethane microfibers. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1209-1216.	1.6	2
257	Shape-memory properties of degradable electrospun scaffolds based on hollow microfibers. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1468-1475.	1.6	15
258	Surface pressure-induced isothermal 2D-to 3D transitions in Langmuir films of poly( $\epsilon$ -caprolactone)s and oligo( $\epsilon$ -caprolactone) based polyesterurethanes. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1411-1420.	1.6	8
259	Single and competitive protein adsorption on polymeric surfaces. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1387-1393.	1.6	7
260	Immuno-compatibility of amphiphilic ABA triblock copolymer-based hydrogel films for biomedical applications. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1378-1386.	1.6	5
261	Designing advanced functional polymers for medical applications. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1357-1358.	1.6	1
262	Design of Decorin-Based Peptides That Bind to Collagen-1 and their Potential as Adhesion Moieties in Biomaterials. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10980-10984.	7.2	24
263	Conditional Ultrasound Sensitivity of Poly[( <i>N</i> -isopropylacrylamide)- <i>co</i> -(vinyl imidazole)] Microgels for Controlled Lipase Release. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1891-1896.	2.0	5
264	Integrated process for preparing porous, surface functionalized polyetherimide microparticles. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1447-1455.	1.6	11
265	Influence of intermediate degradation products on the hydrolytic degradation of poly[( <i>rac</i> -lactide)- <i>co</i> -glycolide] at the air-water interface. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1402-1410.	1.6	6
266	Shape-Memory Capability of Copolyetheresterurethane Microparticles Prepared via Electrospraying. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 522-530.	1.7	10
267	Influence of Diurethane Linkers on the Langmuir Layer Behavior of Oligo[( <i>rac</i> -lactide)- <i>co</i> -glycolide]-based Polyesterurethanes. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1910-1915.	2.0	5
268	Reversible shape-memory properties of surface functionalizable, crystallizable crosslinked terpolymers. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1421-1427.	1.6	7
269	Copolymer Networks From Oligo( $\epsilon$ -caprolactone) and <i>n</i> -Butyl Acrylate Enable a Reversible Bidirectional Shape-Memory Effect at Human Body Temperature. <i>Macromolecular Rapid Communications</i> , 2015, 36, 880-884.	2.0	67
270	Cell-based detection of microbial biomaterial contaminations. <i>Clinical Hemorheology and Microcirculation</i> , 2015, 60, 51-63.	0.9	7



#	ARTICLE	IF	CITATIONS
271	Modeling of stress relaxation of a semi-crystalline multiblock copolymer and its deformation behavior. <i>Clinical Hemorheology and Microcirculation</i> , 2015, 60, 109-120.	0.9	4
272	Synthesis and characterization of star-shaped oligo(ethylene glycol) with tyrosine derived moieties under variation of their molecular weight. <i>Clinical Hemorheology and Microcirculation</i> , 2015, 60, 13-23.	0.9	5
273	Polymeric inserts differing in their chemical composition as substrates for dendritic cell cultivation. <i>Clinical Hemorheology and Microcirculation</i> , 2015, 61, 347-357.	0.9	3
274	Advanced Functional Polymers in Medicine (AFPM). <i>Clinical Hemorheology and Microcirculation</i> , 2015, 60, 1-2.	0.9	1
275	Influence of film thickness on the crystalline morphology of a copolyesterurethane comprising crystallizable poly( $\epsilon$ -caprolactone) soft segments. <i>Clinical Hemorheology and Microcirculation</i> , 2015, 60, 77-87.	0.9	2
276	Nanoparticles Complexed with Gene Vectors to Promote Proliferation of Human Vascular Endothelial Cells. <i>Advanced Healthcare Materials</i> , 2015, 4, 1225-1235.	3.9	41
277	Nanostructural changes in crystallizable controlling units determine the temperature-memory of polymers. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8284-8293.	5.2	16
278	Characterization of bi-layered magnetic nanoparticles synthesized via two-step surface-initiated ring-opening polymerization. <i>Pure and Applied Chemistry</i> , 2015, 87, 1085-1097.	0.9	2
279	Going Beyond Compromises in Multifunctionality of Biomaterials. <i>Advanced Healthcare Materials</i> , 2015, 4, 642-645.	3.9	7
280	One Step Creation of Multifunctional 3D Architected Hydrogels Inducing Bone Regeneration. <i>Advanced Materials</i> , 2015, 27, 1738-1744.	11.1	100
281	Poly( <i>n</i> -butylcyanoacrylate) Nanoparticles as Carriers for Adenosine triphosphate. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1718, 131-136.	0.1	0
282	Influence of deformation temperature on structural variation and shape-memory effect of a thermoplastic semi-crystalline multiblock copolymer. <i>EXPRESS Polymer Letters</i> , 2015, 9, 624-635.	1.1	16
283	Faster droplet production by delayed surfactant-addition in two-phase microfluidics to form thermo-sensitive microgels. <i>Journal of Colloid and Interface Science</i> , 2015, 452, 38-42.	5.0	12
284	Mechanical characterization of oligo(ethylene glycol)-based hydrogels by dynamic nanoindentation experiments. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 46, 1-10.	1.5	12
285	Effect of diisocyanate linkers on the degradation characteristics of copolyester urethanes as potential drug carrier matrices. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 95, 18-26.	2.0	14
286	Modeling the heat transfer in magneto-sensitive shape-memory polymer nanocomposites with dynamically changing surface area to volume ratios. <i>Polymer</i> , 2015, 65, 215-222.	1.8	26
287	Surface characterization and protein interaction of a series of model poly[acrylonitrile-co-( <i>N</i> -vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 87-96.	2.6	22
288	Impact of Molecular Architectures on the Thermal and Mechanical Properties of Multi-Phase Polymer Networks. <i>Macromolecular Symposia</i> , 2014, 346, 82-90.	0.4	0

#	ARTICLE	IF	CITATIONS
289	Triple-Shape Effect with Adjustable Switching Temperatures in Crosslinked Poly[ethylene-co-(vinyl acetate)]. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 2446-2456.	1.1	24
290	Smart Polymers for Biomedical Applications. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 2399-2402.	1.1	14
291	Double Layer Porous Structures by an Injection Molding/Particulate Leaching Approach. <i>Macromolecular Symposia</i> , 2014, 346, 100-107.	0.4	0
292	Changes in platelet morphology and function during 24 hours of storage. <i>Clinical Hemorheology and Microcirculation</i> , 2014, 58, 159-170.	0.9	31
293	Genetic engineering of mesenchymal stem cells by non-viral gene delivery. <i>Clinical Hemorheology and Microcirculation</i> , 2014, 58, 19-48.	0.9	33
294	Expression pattern analysis and activity determination of matrix metalloproteinase derived from human macrophage subsets. <i>Clinical Hemorheology and Microcirculation</i> , 2014, 58, 147-158.	0.9	19
295	Interaction of poly(ether imide) films with early immune mechanisms. <i>Clinical Hemorheology and Microcirculation</i> , 2014, 57, 203-212.	0.9	9
296	Adherence and shear-resistance of primary human endothelial cells on smooth poly(ether imide) films. <i>Clinical Hemorheology and Microcirculation</i> , 2014, 57, 147-158.	0.9	6
297	Advanced Functional Polymers for Medicine. <i>Advanced Healthcare Materials</i> , 2014, 3, 1939-1940.	3.9	8
298	Shape-Memory Effect of Micro-Nanoparticles from Thermoplastic Multiblock Copolymers. <i>Small</i> , 2014, 10, 83-87.	5.2	57
299	Atomistic Simulation of the Shape-Memory Effect in Dry and Water Swollen Poly[ε-caprolactide-co-glycolide] and Copolyester Urethanes Thereof. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 65-75.	1.1	13
300	From macromolecules to materials to systems. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1187-1188.	1.6	0
301	Photoinduced synthesis of polyester networks from methacrylate functionalized precursors: analysis of side reactions. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1285-1292.	1.6	3
302	Controlling Major Cellular Processes of Human Mesenchymal Stem Cells using Microwell Structures. <i>Advanced Healthcare Materials</i> , 2014, 3, 1991-2003.	3.9	41
303	Self-Assembly of Polyethylenimine-Modified Biodegradable Complex Micelles as Gene Transfer Vector for Proliferation of Endothelial Cells. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 2463-2472.	1.1	34
304	Angiogenically stimulated alternative monocytes maintain their pro-angiogenic and non-inflammatory phenotype in long-term co-cultures with HUVEC. <i>Clinical Hemorheology and Microcirculation</i> , 2014, 58, 229-240.	0.9	4
305	Characterization of protein-adjuvant coencapsulation in microparticles for vaccine delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 403-407.	2.0	7
306	Sustained release carrier for adenosine triphosphate as signaling molecule. <i>Journal of Controlled Release</i> , 2014, 195, 86-91.	4.8	2

#	ARTICLE	IF	CITATIONS
307	Influence of expansion cooling regime on morphology of poly( $\epsilon$ -caprolactone) foams prepared by pressure quenching using supercritical CO <sub>2</sub> . <i>Polymers for Advanced Technologies</i> , 2014, 25, 1349-1355.	1.6	4
308	Crosslinking of gelatin by ring opening metathesis under aqueous conditions – an exploratory study. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1371-1375.	1.6	3
309	Multivalent grafting of hyperbranched oligo- and polyglycerols shielding rough membranes to mediate hemocompatibility. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3626-3635.	2.9	26
310	Synthesis of high molecular weight polyglycolide in supercritical carbon dioxide. <i>RSC Advances</i> , 2014, 4, 35099.	1.7	27
311	High Throughput Characterization of Polymer Libraries by Diffuse Reflectance Infrared Spectroscopy. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 1292-1297.	1.7	7
312	Polymer Micronetworks with Shape-Memory as Future Platform to Explore Shape-Dependent Biological Effects. <i>Advanced Healthcare Materials</i> , 2014, 3, 1986-1990.	3.9	24
313	Biocompatibility and inflammatory response in vitro and in vivo to gelatin-based biomaterials with tailorable elastic properties. <i>Biomaterials</i> , 2014, 35, 9755-9766.	5.7	89
314	Protein Interactions with Polymer Coatings and Biomaterials. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8004-8031.	7.2	614
315	Interaction of Human Plasma Proteins with Thin Gelatin-Based Hydrogel Films: A QCM-D and ToF-SIMS Study. <i>Biomacromolecules</i> , 2014, 15, 2398-2406.	2.6	29
316	Method for Preparation, Programming, and Characterization of Miniaturized Particulate Shape-Memory Polymer Matrices. <i>Langmuir</i> , 2014, 30, 2820-2827.	1.6	21
317	Magnetically controlled shape-memory effects of hybrid nanocomposites from oligo( $\epsilon$ -pentadecalactone) and covalently integrated magnetite nanoparticles. <i>Polymer</i> , 2014, 55, 5953-5960.	1.8	51
318	A High Content Screening Assay for Evaluation of Biomaterial-Mediated Cell Fusion Processes. <i>Macromolecular Symposia</i> , 2014, 346, 91-99.	0.4	2
319	Characterization of Langmuir Films Prepared from Copolyesterurethanes Based on Oligo( $\epsilon$ -pentadecalactone) and Oligo( $\epsilon$ -caprolactone) Segments. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 2437-2445.	1.1	7
320	Effect of the Fixation Temperature $T_{low}$ on the Crystallization Behavior and Shape-Memory Performance of Crystallizable Copolyesterurethanes. <i>Macromolecular Symposia</i> , 2014, 345, 75-82.	0.4	1
321	Micellization of Aminoterminated Poly(ethylene glycol)- <i>block</i> -poly(propylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 1 <i>Symposia</i> , 2014, 345, 91-97.	0.4	1
322	Shape-Memory Hydrogels with Crystallizable Oligotetrahydrofuran Side Chains. <i>Macromolecular Symposia</i> , 2014, 345, 8-13.	0.4	10
323	Shape-Memory Polymer Networks Prepared from Star-Shaped Poly[( $L$ -lactide)- <i>co</i> -glycolide] Precursors. <i>Macromolecular Symposia</i> , 2014, 345, 98-104.	0.4	4
324	High-Throughput Synthesis as a Technology Platform for Copolymer Libraries. <i>Macromolecular Symposia</i> , 2014, 345, 105-111.	0.4	9

#	ARTICLE	IF	CITATIONS
325	Crystallization Behavior of Copolyesterurethanes Containing Different Weight Contents of Crystallizable Poly( $\epsilon$ -caprolactone) Segments. <i>Macromolecular Symposia</i> , 2014, 345, 59-65.	0.4	1
326	Crystallization and Phase Segregation of Multifunctional Multiblock Copolymers in Spin Coated Thin Films Altered by Diurethane Junction Units. <i>Macromolecular Symposia</i> , 2014, 345, 83-90.	0.4	1
327	Preparation of Magneto-sensitive Polymer Nanocomposite Microparticles from Copolyesterurethanes via Electrospraying. <i>Macromolecular Symposia</i> , 2014, 345, 66-74.	0.4	3
328	Shape-memory properties of hydrogels having a poly( $\epsilon$ -caprolactone) crosslinker and switching segment in an aqueous environment. <i>European Polymer Journal</i> , 2013, 49, 2457-2466.	2.6	24
329	Local drug delivery by personalized, intraoperative custom-made implant coating. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101B, 950-963.	1.6	0
330	Multifunctional Hybrid Nanocomposites with Magnetically Controlled Reversible Shape-memory Effect. <i>Advanced Materials</i> , 2013, 25, 5730-5733.	11.1	83
331	An annulus fibrosus closure device based on a biodegradable shape-memory polymer network. <i>Biomaterials</i> , 2013, 34, 8105-8113.	5.7	56
332	Grafting of poly(ethylene glycol) monoacrylates on polycarbonateurethane by UV initiated polymerization for improving hemocompatibility. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 61-70.	1.7	48
333	Thermally induced shape-memory effects in polymers: Quantification and related modeling approaches. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 621-637.	2.4	48
334	Functionalization of Polycarbonate Surfaces by Grafting PEG and Zwitterionic Polymers with a Multicomb Structure. <i>Macromolecular Bioscience</i> , 2013, 13, 1681-1688.	2.1	38
335	Tailoring of Mechanical Properties of Diisocyanate Crosslinked Gelatin-Based Hydrogels. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1569, 3-8.	0.1	4
336	Interaction of human umbilical vein endothelial cells (HUVEC) with platelets in vitro: Influence of platelet concentration and reactivity. <i>Clinical Hemorheology and Microcirculation</i> , 2013, 55, 111-120.	0.9	11
337	Efficient synthesis of pure monotosylated beta-cyclodextrin and its dimers. <i>Carbohydrate Research</i> , 2013, 381, 59-63.	1.1	56
338	Temperature-memory polymer actuators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12555-12559.	3.3	273
339	Shape-memory Effect in Polymers. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1175-1177.	1.1	35
340	Manufacturing and Characterization of Controlled Foaming of Single Layers in Bilayer Constructs Differing in Pore Morphology. <i>Macromolecular Symposia</i> , 2013, 334, 33-39.	0.4	1
341	Poly(ethylene glycol) Grafting to Poly(ether imide) Membranes: Influence on Protein Adsorption and Thrombocyte Adhesion. <i>Macromolecular Bioscience</i> , 2013, 13, 1720-1729.	2.1	31
342	Shape-memory polymers with multiple transitions: complex actively moving polymers. <i>Soft Matter</i> , 2013, 9, 1744-1755.	1.2	125

#	ARTICLE	IF	CITATIONS
343	Endothelial cell response to (co)polymer nanoparticles depending on the inflammatory environment and comonomer ratio. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 288-296.	2.0	19
344	Influence of the addition of water to amorphous switching domains on the simulated shape-memory properties of poly(l-lactide). <i>Polymer</i> , 2013, 54, 4204-4211.	1.8	35
345	Recent Trends in the Chemistry of Shape-Memory Polymers. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 527-536.	1.1	92
346	Reversible Bidirectional Shape-Memory Polymers. <i>Advanced Materials</i> , 2013, 25, 4466-4469.	11.1	410
347	Quantifying the Shape-Memory Effect of Polymers by Cyclic Thermomechanical Tests. <i>Polymer Reviews</i> , 2013, 53, 6-40.	5.3	76
348	Pore-Size Distribution Controls Shape-Memory Properties on the Macro- and Microscale of Polymeric Foams. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1184-1188.	1.1	14
349	Synthesis and Properties of Poly( <i>p</i> -phenylene ethynylene)s with Oxidation- and Reduction-Sensitive Moieties. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1215-1224.	1.1	1
350	Simulating the Shape-Memory Behavior of Amorphous Switching Domains of Poly(L-lactide) by Molecular Dynamics. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1273-1283.	1.1	26
351	A thermosensitive morphine-containing hydrogel for the treatment of large-scale skin wounds. <i>International Journal of Pharmaceutics</i> , 2013, 444, 96-102.	2.6	86
352	The contemporary role of $\epsilon$ -caprolactone chemistry to create advanced polymer architectures. <i>Polymer</i> , 2013, 54, 4333-4350.	1.8	154
353	Polyalkylcyanoacrylates as in situ formed diffusion barriers in multimaterial drug carriers. <i>Journal of Controlled Release</i> , 2013, 169, 321-328.	4.8	9
354	Test system for evaluating the influence of polymer properties on primary human keratinocytes and fibroblasts in mono- and coculture. <i>Journal of Biotechnology</i> , 2013, 166, 58-64.	1.9	7
355	Drug-releasing shape-memory polymers – the role of morphology, processing effects, and matrix degradation. <i>Expert Opinion on Drug Delivery</i> , 2013, 10, 1193-1205.	2.4	26
356	A multifunctional bilayered microstent as glaucoma drainage device. <i>Journal of Controlled Release</i> , 2013, 172, 1002-1010.	4.8	7
357	Progress in biopolymer-based biomaterials and their application in controlled drug delivery. <i>Expert Review of Medical Devices</i> , 2013, 10, 813-833.	1.4	41
358	The influence of polystyrene and poly(ether imide) inserts with different roughness, on the activation of dendritic cells. <i>Clinical Hemorheology and Microcirculation</i> , 2013, 55, 157-168.	0.9	8
359	Cultivation and spontaneous differentiation of rat bone marrow-derived mesenchymal stem cells on polymeric surfaces. <i>Clinical Hemorheology and Microcirculation</i> , 2013, 55, 143-156.	0.9	9
360	Influence of fibre diameter and orientation of electrospun copolyetheresterurethanes on smooth muscle and endothelial cell behaviour. <i>Clinical Hemorheology and Microcirculation</i> , 2013, 55, 513-522.	0.9	16

#	ARTICLE	IF	CITATIONS
361	Viability and function of primary human endothelial cells on smooth poly (ether imide) films. <i>Clinical Hemorheology and Microcirculation</i> , 2013, 55, 281-281.	0.9	0
362	Effect of polystyrene and polyether imide cell culture inserts with different roughness on chondrocyte metabolic activity and gene expression profiles of aggrecan and collagen. <i>Clinical Hemorheology and Microcirculation</i> , 2013, 55, 523-533.	0.9	6
363	Culture surface influence on T-cell phenotype and function. <i>Clinical Hemorheology and Microcirculation</i> , 2013, 55, 501-512.	0.9	3
364	Comparison of memory effects in multiblock copolymers and covalently crosslinked multiphase polymer networks composed of the same types of oligoester segments and urethane linker. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1569, 123-128.	0.1	0
365	The role of alternating current electric field for cell adhesion on 2D and 3D biomimetic scaffolds based on polymer materials and adhesive proteins. <i>Journal of Materials Research</i> , 2013, 28, 2180-2186.	1.2	3
366	Immunological investigations of oligoethylene glycols functionalized with desaminotyrosine and desaminotyrosyltyrosine. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1569, 9-14.	0.1	4
367	The influence of the co-monomer ratio of poly[acrylonitrile-co-(N-vinylpyrrolidone)]s on primary human monocyte-derived dendritic cells. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1569, 21-26.	0.1	1
368	Morphology of crosslinked poly( $\mu$ -caprolactone) microparticles. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1569, 173-178.	0.1	1
369	ABA triblock copolymer based hydrogels with thermo-sensitivity for biomedical applications. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1569, 135-140.	0.1	1
370	Quantification of Protein Adsorption on Polyglycerol-based Polymer Network Films. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1569, 79-84.	0.1	0
371	Influence of physically crosslinked gelatins on the vasculature in the avian chorioallantoic membrane. <i>Clinical Hemorheology and Microcirculation</i> , 2013, 55, 133-142.	0.9	4
372	Influence of diisocyanate reactivity and water solubility on the formation and the mechanical properties of gelatin-based networks in water. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1569, 15-20.	0.1	3
373	<i>Biodegradable Materials</i> , 2013, , 529-556.		0
374	Influence of Drying Procedures on Network Formation and Properties of Hydrogels from Functionalized Gelatin. <i>Macromolecular Symposia</i> , 2013, 334, 24-32.	0.4	5
375	Advanced Functional Polymers for Medicine. <i>Macromolecular Bioscience</i> , 2013, 13, 1639-1639.	2.1	0
376	Triple-Shape Effect in Polymer-Based Composites by Cleverly Matching Geometry of Active Component with Heating Method. <i>Advanced Materials</i> , 2013, 25, 5514-5518.	11.1	27
377	Dynamic in vitro hemocompatibility testing of poly(ether imide) membranes functionalized with linear, methylated oligoglycerol and oligo(ethylene glycol). <i>Clinical Hemorheology and Microcirculation</i> , 2013, 54, 235-248.	0.9	11
378	Influence of Coupling Agent on the Morphology of Multifunctional, Degradable Shape-Memory Polymers. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1569, 57-64.	0.1	1



#	ARTICLE	IF	CITATIONS
379	Correlating the Uptake and Dendritic Cell Activation by MDP-loaded Microparticles. Materials Research Society Symposia Proceedings, 2013, 1569, 179-184.	0.1	1
380	Synthetic Polymer-Network Based Materials in Stem Cell Research. , 2013, , 3-36.		0
381	Haemocompatibility testing of biomaterials using human platelets. Clinical Hemorheology and Microcirculation, 2013, 53, 97-115.	0.9	79
382	Adjuvant Effect of Microencapsulated NOD Ligands Studied in a Human Phagocytic Cell Line. Journal of Applied Biomaterials and Functional Materials, 2012, 10, 229-236.	0.7	3
383	Simulation of Volumetric Swelling of Degradable Poly[(Rac-Lactide)-Co-Glycolide] Based Polyesterurethanes Containing Different Urethane-Linkers. Journal of Applied Biomaterials and Functional Materials, 2012, 10, 293-301.	0.7	6
384	Influence of Different Heating Regimes on the Shape-Recovery Behavior of Poly(L-Lactide) in Simulated Thermomechanical Tests. Journal of Applied Biomaterials and Functional Materials, 2012, 10, 259-264.	0.7	8
385	Thermal Gelation and Stability of Pectin Grafted with PEPE. Materials Research Society Symposia Proceedings, 2012, 1403, 226.	0.1	0
386	Triple-Shape Effect of Copolymer Networks Based on Poly( $\epsilon$ -pentadecalactone) and Poly( $\epsilon$ -caprolactone) Segments Applying a Programming Procedure with an Adjusted Temperature Profile. Materials Research Society Symposia Proceedings, 2012, 1403, 43.	0.1	0
387	Thermal Properties and Crystallinity of Grafted Copolymer Networks containing a Crystallizable Poly( $\mu$ -caprolactone) Crosslinker in an aqueous environment. Materials Research Society Symposia Proceedings, 2012, 1403, 7.	0.1	3
388	Synthesis and Characterization of Poly(p-phenylene ethynylene)s with nitroxyl radical endgroups. Materials Research Society Symposia Proceedings, 2012, 1403, 183.	0.1	0
389	Phase Transition Behavior of Main Chain Nematic Liquid-Crystalline Polymers Based on 2-methyl-1,4-bis[4-(4-pentenyl)benzoyl]hydroquinone and 2-tert-butyl-1,4-bis[4-(4-pentenyl)benzoyl]hydroquinone. Materials Research Society Symposia Proceedings, 2012, 1403, 79.	0.1	0
390	Shape-Memory Properties of Electrospun Non-wovens Prepared from Amorphous Polyetherurethanes Under Stress-free and Constant Strain Conditions. Materials Research Society Symposia Proceedings, 2012, 1403, 49.	0.1	7
391	Modeling of Free Radical Polymerization of Azobenzene-based Linear Polymers. Materials Research Society Symposia Proceedings, 2012, 1403, 1.	0.1	0
392	Design of semi-interpenetrating networks based on poly(ethyl-2-cyanoacrylate) and oligo(ethylene Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	9
393	POLYMER SCAFFOLDS FOR REGENERATIVE THERAPIES " DESIGN OF HIERARCHICALLY ORGANIZED STRUCTURES AND THEIR MORPHOLOGICAL CHARACTERIZATION. Nano LIFE, 2012, 02, 1230005.	0.6	3
394	Synthesis and Characterization of Oligo(Ethylene Glycol)s Functionalized with Desaminotyrosine or Desaminotyrosyltyrosine. Journal of Applied Biomaterials and Functional Materials, 2012, 10, 170-176.	0.7	3
395	Characterization of Oligo(Ethylene Glycol) and Oligoglycerol Functionalized Poly(Ether Imide) by Angle-Dependent X-Ray Photoelectron Spectroscopy. Journal of Applied Biomaterials and Functional Materials, 2012, 10, 215-222.	0.7	3
396	Physically crosslinked gelatins functionalized with tyrosine moieties do not induce angiogenesis or thrombus formation in the developing vasculature in the avian chorioallantoic membrane. Clinical Hemorheology and Microcirculation, 2012, 50, 55-63.	0.9	6

#	ARTICLE	IF	CITATIONS
397	Biomimetic Hemo-compatible Surfaces of Polyurethane by Grafting Copolymer Brushes of Poly(ethylene glycol) and Poly(phosphorylcholine methacrylate). Materials Research Society Symposia Proceedings, 2012, 1403, 220.	0.1	0
398	Shape-Memory Properties of Nanocomposites based on Poly( $\epsilon$ -pentadecalactone) and Magnetic Nanoparticles. Materials Research Society Symposia Proceedings, 2012, 1403, 19.	0.1	1
399	Quantifying Protein Adsorption to Physically Crosslinked Gelatin-Based Networks. Materials Research Society Symposia Proceedings, 2012, 1403, 196.	0.1	0
400	Synthesis and Characterization of Telechelic Oligoethers with Terminal Cinnamylidene Acetic Acid Moieties. Journal of Applied Biomaterials and Functional Materials, 2012, 10, 185-190.	0.7	0
401	Oligo( $\epsilon$ -caprolactone)-Based Polymer Networks Prepared by Photocrosslinking in Solution. Journal of Applied Biomaterials and Functional Materials, 2012, 10, 273-279.	0.7	3
402	Influence of Co-Monomer Ratio on the Chemical Properties and Cytotoxicity of Poly[Acrylonitrile-Co-(N-Vinylpyrrolidone)] Nanoparticles. Journal of Applied Biomaterials and Functional Materials, 2012, 10, 308-314.	0.7	3
403	Hydrogel Networks Based on ABA Triblock Copolymers. Journal of Applied Biomaterials and Functional Materials, 2012, 10, 243-248.	0.7	5
404	Shape-memory properties of magnetically active triple-shape nanocomposites based on a grafted polymer network with two crystallizable switching segments. EXPRESS Polymer Letters, 2012, 6, 26-40.	1.1	58
405	Influence of a Polyester Coating of Magnetic Nanoparticles on Magnetic Heating Behavior of Shape-Memory Polymer-Based Composites. Journal of Applied Biomaterials and Functional Materials, 2012, 10, 203-209.	0.7	4
406	Synthesis and Characterization of Hydroxy-telechelic Four-arm Star-shaped Oligo(tetrahydrofuran), Their Crosslinking, and Thermomechanical Investigation of the Polymer Network. Materials Research Society Symposia Proceedings, 2012, 1403, 190.	0.1	0
407	Determining loading kinetics of drug releasing degradable shape-memory polymers. Materials Research Society Symposia Proceedings, 2012, 1403, 31.	0.1	3
408	A NiTi alloy-based cuff for external banding valvuloplasty: a six-week follow-up study in pigs. Phlebology, 2012, 27, 337-346.	0.6	0
409	Adherence and viability of primary human keratinocytes and primary human dermal fibroblasts on acrylonitrile-based copolymers with different concentrations of positively charged functional groups. Clinical Hemorheology and Microcirculation, 2012, 52, 391-401.	0.9	7
410	Smooth muscle and endothelial cell behaviour on degradable copolyetheresterurethane films. Clinical Hemorheology and Microcirculation, 2012, 52, 313-323.	0.9	6
411	Behaviour of fibroblasts on water born acrylonitrile-based copolymers containing different cationic and anionic moieties. Clinical Hemorheology and Microcirculation, 2012, 52, 295-311.	0.9	8
412	Immunological evaluation of polystyrene and poly(ether imide) cell culture inserts with different roughness. Clinical Hemorheology and Microcirculation, 2012, 52, 375-389.	0.9	15
413	Influence of fiber orientation in electrospun polymer scaffolds on viability, adhesion and differentiation of articular chondrocytes. Clinical Hemorheology and Microcirculation, 2012, 52, 325-336.	0.9	37
414	The influence of polymer scaffolds on cellular behaviour of bone marrow derived human mesenchymal stem cells. Clinical Hemorheology and Microcirculation, 2012, 52, 357-373.	0.9	21



#	ARTICLE	IF	CITATIONS
415	Viability and function of primary human endothelial cells on smooth poly(ether imide) films. <i>Clinical Hemorheology and Microcirculation</i> , 2012, 52, 267-282.	0.9	8
416	Automated image-based analysis of adherent thrombocytes on polymer surfaces. <i>Clinical Hemorheology and Microcirculation</i> , 2012, 52, 349-355.	0.9	13
417	Using Mass Spectrometry to Investigate the Structural Features of Photocrosslinked Co-Networks based on Gelatin and Poly(ethylene glycol) Methacrylates. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1403, 13.	0.1	0
418	Degradable Polyurethane/Soy Protein Shape-Memory Polymer Blends Prepared Via Environmentally-Friendly Aqueous Dispersions. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 1213-1224.	1.7	17
419	Shape-Memory Hydrogels with Switching Segments Based on Oligo( $\epsilon$ -pentadecalactone). <i>Macromolecular Materials and Engineering</i> , 2012, 297, 1184-1192.	1.7	31
420	Influence of Comesogens on the Thermal and Actuation Properties of 2-tert-Butyl-1,4-bis[4-(4-pentenyl)oxy]benzoyl]hydroquinone Based Nematic Main-Chain Liquid Crystalline Elastomers. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 1203-1212.	1.7	3
421	Advances in actively moving polymers. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 1135-1137.	1.7	9
422	Shape-memory properties of electrospun non-woven fabrics prepared from degradable polyesterurethanes containing poly( $\epsilon$ -pentadecalactone) hard segments. <i>European Polymer Journal</i> , 2012, 48, 1866-1874.	2.6	51
423	Viability, proliferation and adhesion of smooth muscle cells and human umbilical vein endothelial cells on electrospun polymer scaffolds. <i>Clinical Hemorheology and Microcirculation</i> , 2012, 50, 101-112.	0.9	19
424	Pro-angiogenic CD14 <sup>++</sup> CD16 <sup>+</sup> CD163 <sup>+</sup> monocytes accelerate the in vitro endothelialization of soft hydrophobic poly(n-butyl acrylate) networks. <i>Acta Biomaterialia</i> , 2012, 8, 4253-4259.	4.1	28
425	Oligo( $\epsilon$ -pentadecalactone) decorated magnetic nanoparticles. <i>Journal of Materials Chemistry</i> , 2012, 22, 9237.	6.7	14
426	Polyglycerol-based polymer network films for potential biomedical applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 21100.	6.7	21
427	Quantitative Evaluation of Adhesion of Osteosarcoma Cells to Hydrophobic Polymer Substrate with Tunable Elasticity. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8024-8030.	1.2	18
428	Dicarboxy-telechelic cooligomers with sequence structure tunable light absorption. <i>Reactive and Functional Polymers</i> , 2012, 72, 533-541.	2.0	2
429	Memory-effects of magnetic nanocomposites. <i>Nanoscale</i> , 2012, 4, 6181.	2.8	49
430	Interaction of Angiogenically Stimulated Intermediate CD163 <sup>+</sup> Monocytes/Macrophages With Soft Hydrophobic Poly(n-Butyl Acrylate) Networks With Elastic Moduli Matched to That of Human Arteries. <i>Artificial Organs</i> , 2012, 36, E28-38.	1.0	8
431	Potential of NOD receptor ligands as immunomodulators in particulate vaccine carriers. <i>Journal of Controlled Release</i> , 2012, 164, 299-306.	4.8	28
432	Viability, Morphology and Function of Primary Endothelial Cells on Poly(n-Butyl Acrylate) Networks Having Elastic Moduli Comparable to Arteries. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 901-915.	1.9	20

#	ARTICLE	IF	CITATIONS
433	Advanced functional polymers for medicine: Multifunctional biomaterials. <i>Acta Biomaterialia</i> , 2012, 8, 4199.	4.1	7
434	Effect of cytochrome P450-dependent epoxyeicosanoids on Ristocetin-induced thrombocyte aggregation. <i>Clinical Hemorheology and Microcirculation</i> , 2012, 52, 403-416.	0.9	23
435	Elastic multiblock copolymers for vascular regeneration: Protein adsorption and hemocompatibility. <i>Clinical Hemorheology and Microcirculation</i> , 2012, 52, 337-348.	0.9	12
436	Degradation of and angiogenesis around multiblock copolymers containing poly(p-dioxanone)- and poly( $\epsilon$ -caprolactone)-segments subcutaneously implanted in the rat neck s. <i>Clinical Hemorheology and Microcirculation</i> , 2012, 50, 153-153.	0.9	0
437	The influence of poly(n-butyl acrylate) networks on viability and function of smooth muscle cells and vascular fibroblasts. <i>Clinical Hemorheology and Microcirculation</i> , 2012, 52, 283-294.	0.9	9
438	Immuno-compatibility of soft hydrophobic poly (n-butyl acrylate) networks with elastic moduli for regeneration of functional tissues. <i>Clinical Hemorheology and Microcirculation</i> , 2012, 50, 131-142.	0.9	25
439	Photocrosslinked Co $\epsilon$ Networks from Glycidylmethacrylated Gelatin and Poly(ethylene glycol) Methacrylates. <i>Macromolecular Bioscience</i> , 2012, 12, 484-493.	2.1	37
440	Surface Functionalization of Poly(ether imide) Membranes with Linear, Methylated Oligoglycerols for Reducing Thrombogenicity. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1487-1492.	2.0	39
441	Shape $\epsilon$ Memory Properties of Polyetherurethane Foams Prepared by Thermally Induced Phase Separation. <i>Advanced Engineering Materials</i> , 2012, 14, 818-824.	1.6	28
442	Temperature $\epsilon$ Memory Effect of Copolyesterurethanes and their Application Potential in Minimally Invasive Medical Technologies. <i>Advanced Functional Materials</i> , 2012, 22, 3057-3065.	7.8	132
443	Bio-hybrid organs and tissues for patient therapy: A future vision for 2030. <i>Chemical Engineering and Processing: Process Intensification</i> , 2012, 51, 79-87.	1.8	20
444	Formation and size distribution of pores in poly( $\epsilon$ -caprolactone) foams prepared by pressure quenching using supercritical CO <sub>2</sub> . <i>Journal of Supercritical Fluids</i> , 2012, 61, 175-190.	1.6	57
445	Viability of Human Mesenchymal Stem Cells Seeded on Crosslinked Entropy $\epsilon$ Elastic Gelatin $\epsilon$ Based Hydrogels. <i>Macromolecular Bioscience</i> , 2012, 12, 312-321.	2.1	44
446	Magnetic Memory Effect of Nanocomposites. <i>Advanced Functional Materials</i> , 2012, 22, 184-191.	7.8	98
447	Influence of Tyrosine-Derived Moieties and Drying Conditions on the Formation of Helices in Gelatin. <i>Biomacromolecules</i> , 2011, 12, 75-81.	2.6	48
448	Reducing the Endotoxin Burden of Desaminotyrosine $\epsilon$ and Desaminotyrosyl Tyrosine $\epsilon$ Functionalized Gelatin. <i>Macromolecular Symposia</i> , 2011, 309-310, 182-189.	0.4	16
449	Efficacy of CD14+ blood monocytes/macrophages isolation: Positive versus negative MACS $\epsilon$ , $\epsilon$ protocol. <i>Clinical Hemorheology and Microcirculation</i> , 2011, 48, 57-63.	0.9	13
450	Functional Polymer Scaffolds for Blood Vessel Tissue Engineering. <i>Macromolecular Symposia</i> , 2011, 309-310, 93-99.	0.4	16

#	ARTICLE	IF	CITATIONS
451	Support of HUVEC proliferation by pro-angiogenic intermediate CD163+ monocytes/macrophages: A co-culture experiment. <i>Clinical Hemorheology and Microcirculation</i> , 2011, 49, 423-430.	0.9	15
452	Degradable Depsipeptide-Based Multiblock Copolymers with Polyester or Polyetherester Segments. <i>International Journal of Artificial Organs</i> , 2011, 34, 103-109.	0.7	9
453	Current Status of Langmuir Monolayer Degradation of Polymeric Biomaterials. <i>International Journal of Artificial Organs</i> , 2011, 34, 123-128.	0.7	8
454	Highly Flexible Poly(ethylacrylate) Based Materials Obtained by Incorporation of Oligo(ethylene glycol)diglycidylether. <i>Macromolecular Symposia</i> , 2011, 309-310, 49-58.	0.4	15
455	Viability, Adhesion and Differentiated Phenotype of Articular Chondrocytes on Degradable Polymers and Electro-Spun Structures Thereof. <i>Macromolecular Symposia</i> , 2011, 309-310, 28-39.	0.4	8
456	Biodegradable Materials. , 2011, , 469-492.		2
457	How to accelerate biomaterial development? Strategies to support the application of novel polymer-based biomaterials in implantable devices. <i>Expert Review of Medical Devices</i> , 2011, 8, 533-537.	1.4	19
458	Abbaubare Polymere in der Medizin. <i>Nachrichten Aus Der Chemie</i> , 2011, 59, 117-120.	0.0	0
459	Influence of polymeric microspheres on the myocardial oxygen partial pressure in the beating heart of pigs. <i>Microvascular Research</i> , 2011, 82, 52-57.	1.1	1
460	In Vitro Evaluation of Elastic Multiblock Co-polymers as a Scaffold Material for Reconstruction of Blood Vessels. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 2205-2226.	1.9	10
461	Why Are So Few Degradable Polymeric Biomaterials Currently Established in Clinical Applications?. <i>International Journal of Artificial Organs</i> , 2011, 34, 71-75.	0.7	21
462	Hemocompatibility of soft hydrophobic poly(n-butyl acrylate) networks with elastic moduli adapted to the elasticity of human arteries. <i>Clinical Hemorheology and Microcirculation</i> , 2011, 49, 375-390.	0.9	18
463	Understanding Instability and Rupture of Poly(Alkyl-2-Cyanoacrylate) Capsules. <i>International Journal of Artificial Organs</i> , 2011, 34, 243-248.	0.7	7
464	Demonstrating the Influence of Water on Shape-Memory Polymer Networks Based on Poly[(Rac-Lactide)-Co-Glycolide] Segments in Vitro. <i>International Journal of Artificial Organs</i> , 2011, 34, 172-179.	0.7	31
465	Characterization of Multiblock Copolymers by Chromatographic Techniques. <i>International Journal of Artificial Organs</i> , 2011, 34, 110-117.	0.7	9
466	A Molecular Dynamic Analysis of Gelatin as an Amorphous Material: Prediction of Mechanical Properties of Gelatin Systems. <i>International Journal of Artificial Organs</i> , 2011, 34, 139-151.	0.7	12
467	Hyaluronic Acid-Based Hydrogels Crosslinked by Copper-Catalyzed Azide-Alkyne Cycloaddition with Tailorable Mechanical Properties. <i>International Journal of Artificial Organs</i> , 2011, 34, 192-197.	0.7	32
468	Near-Infrared Dye-Loaded Plga Nanoparticles Prepared by Spray Drying for Photoacoustic Applications. <i>International Journal of Artificial Organs</i> , 2011, 34, 249-254.	0.7	12

#	ARTICLE	IF	CITATIONS
469	Shape-Memory Properties and Degradation Behavior of Multifunctional Electro-Spun Scaffolds. International Journal of Artificial Organs, 2011, 34, 225-230.	0.7	42
470	Designing multifunctional polymers for cardiovascular implants. Clinical Hemorheology and Microcirculation, 2011, 49, 347-355.	0.9	16
471	One-Way and Reversible Dual-Shape Effect of Polymer Networks Based on Poly(pentadecalactone) Segments. International Journal of Artificial Organs, 2011, 34, 231-237.	0.7	26
472	Intracardiac injection of matrigel induces stem cell recruitment and improves cardiac functions in a rat myocardial infarction model. Journal of Cellular and Molecular Medicine, 2011, 15, 1310-1318.	1.6	72
473	Polyethylenimine-mediated gene delivery into human bone marrow mesenchymal stem cells from patients. Journal of Cellular and Molecular Medicine, 2011, 15, 1989-1998.	1.6	59
474	Drug release from biodegradable polyesterurethanes with shape-memory effect. Journal of Controlled Release, 2011, 152, e20-e21.	4.8	13
475	Biodegradable polyesterurethanes with shape-memory properties for dexamethasone and aspirin controlled release. Journal of Controlled Release, 2011, 152, e21-e23.	4.8	16
476	controlled heparin release from electrospun gelatin fibers. Journal of Controlled Release, 2011, 152, e28-e29.	4.8	17
477	Temperature-Memory Polymer Networks with Crystallizable Controlling Units. Advanced Materials, 2011, 23, 4058-4062.	11.1	136
478	Upscaling the synthesis of biodegradable multiblock copolymers capable of a shape-memory effect. Journal of Materials Science: Materials in Medicine, 2011, 22, 2147-2154.	1.7	5
479	Preparation and biological evaluation of multifunctional PLGA-nanoparticles designed for photoacoustic imaging. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 228-237.	1.7	66
480	Hemocompatible polyurethane/gelatin-heparin nanofibrous scaffolds formed by a bi-layer electrospinning technique as potential artificial blood vessels. Frontiers of Chemical Science and Engineering, 2011, 5, 392-400.	2.3	30
481	Mechanically active scaffolds from radio-opaque shape-memory polymer-based composites. Polymers for Advanced Technologies, 2011, 22, 180-189.	1.6	62
482	Soft poly( <i>n</i> -butyl acrylate) networks with tailored mechanical properties designed as substrates for <i>in vitro</i> models. Polymers for Advanced Technologies, 2011, 22, 126-132.	1.6	27
483	Hydrolytic Degradation Behavior of Poly( <i>l</i> -lactide)- <i>block</i> -poly(propylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Applications. Macromolecular Bioscience, 2011, 11, 1637-1646.	2.1	12
484	Advanced Functional Polymers for Medicine. Macromolecular Bioscience, 2011, 11, 1621-1624.	2.1	8
485	Polymers in the Berlin-Brandenburg Region: A Brief Review on the History on the Occasion of the 20th Anniversary of the German Reunification. Macromolecular Chemistry and Physics, 2011, 212, 753-757.	1.1	0
486	Shape-Memory Nanocomposites with Magnetically Adjustable Apparent Switching Temperatures. Advanced Materials, 2011, 23, 4157-4162.	11.1	67

#	ARTICLE	IF	CITATIONS
487	Polymers and drugs suitable for the development of a drug delivery drainage system in glaucoma surgery. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011, 97B, 388-395.	1.6	26
488	Gelatin functionalization with tyrosine derived moieties to increase the interaction with hydroxyapatite fillers. <i>Acta Biomaterialia</i> , 2011, 7, 1693-1701.	4.1	60
489	Degradation Behavior of Porous Copolyester Microparticles in the Light of Dynamic Changes in Their Morphology. <i>Macromolecular Symposia</i> , 2011, 309-310, 123-133.	0.4	4
490	The Influence of Programming Conditions on the Triple-Shape Effect of Copolymer Networks with Poly( $\epsilon$ -pentadecalactone) and Poly( $\epsilon$ -caprolactone) as Switching Segments. <i>Macromolecular Symposia</i> , 2011, 309-310, 147-153.	0.4	10
491	Introduction to Advanced Polymers in Medicine. <i>Macromolecular Symposia</i> , 2011, 309-310, 1-5.	0.4	0
492	Preparation of Three-Dimensional Scaffolds from Degradable Poly(ether)esterurethane by Thermally-Induced Phase Separation. <i>Macromolecular Symposia</i> , 2011, 309-310, 76-83.	0.4	3
493	Synthesis and Characterization of Gelatin Fragments Obtained by Controlled Degradation. <i>Macromolecular Symposia</i> , 2011, 309-310, 199-204.	0.4	1
494	A Blend of Poly( $\epsilon$ -caprolactone) and Poly[( $\epsilon$ -caprolactone)-co-glycolide] with Remarkable Mechanical Features and Wide Applicability as Biomaterial. <i>Macromolecular Symposia</i> , 2011, 309-310, 59-67.	0.4	4
495	Synthesis and Characterization of Polyetherimides with 3-Methoxy-1,2-propanediol Moieties. <i>Macromolecular Symposia</i> , 2011, 309-310, 40-48.	0.4	1
496	Synthesis and Characterization of a Telechelic Peptide as a Precursor for Supramolecular Networks. <i>Macromolecular Symposia</i> , 2011, 309-310, 205-212.	0.4	0
497	In Vitro and In Vivo Evaluation of a Multifunctional Hyaluronic acid Based Hydrogel System for Local Application on the Retina. <i>Macromolecular Symposia</i> , 2011, 309-310, 229-235.	0.4	5
498	The Influence of Zwitterionic Phospholipid Brushes Grafted via UV-Initiated or SI-ATR Polymerization on the Hemocompatibility of Polycarbonateurethane. <i>Macromolecular Symposia</i> , 2011, 309-310, 6-15.	0.4	17
499	Biological evaluation of degradable, stimuli-sensitive multiblock copolymers having polydepsipeptide- and poly( $\epsilon$ -caprolactone) segments in vitro. <i>Clinical Hemorheology and Microcirculation</i> , 2011, 48, 161-172.	0.9	14
500	Non-contact actuation of triple-shape effect in multiphase polymer network nanocomposites in alternating magnetic field. <i>Journal of Materials Chemistry</i> , 2010, 20, 3404.	6.7	139
501	Shape-Memory Polymers as Drug Carriers—A Multifunctional System. <i>Pharmaceutical Research</i> , 2010, 27, 527-529.	1.7	88
502	Comparing techniques for drug loading of shape-memory polymer networks—effect on their functionalities. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 41, 136-147.	1.9	39
503	Localized SDF-1 $\alpha$ gene release mediated by collagen substrate induces CD117 <sup>+</sup> stem cells homing. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 392-402.	1.6	28
504	Copolymer Networks Based on Poly( $\epsilon$ -pentadecalactone) and Poly( $\epsilon$ -caprolactone) Segments as a Versatile Triple-Shape Polymer System. <i>Advanced Functional Materials</i> , 2010, 20, 3583-3594.	7.8	119

#	ARTICLE	IF	CITATIONS
505	Reversible Triple-Shape Effect of Polymer Networks Containing Polypentadecalactone and Poly( $\mu$ -caprolactone) Segments. <i>Advanced Materials</i> , 2010, 22, 3424-3429.	11.1	197
506	Multifunctional Shape-Memory Polymers. <i>Advanced Materials</i> , 2010, 22, 3388-3410.	11.1	835
507	Stimuli-Sensitive Polymers. <i>Advanced Materials</i> , 2010, 22, 3344-3347.	11.1	120
508	Controlled Change of Mechanical Properties during Hydrolytic Degradation of Polyester Urethane Networks. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 182-194.	1.1	52
509	In Situ X-Ray Scattering Studies of Poly( $\mu$ -caprolactone) Networks with Grafted Poly(ethylene) Tj ETQq1 1 0.784314 rgBT Macromolecular Rapid Communications, 2010, 31, 1546-1553.	2.0	13
510	Knowledge-Based Tailoring of Gelatin-Based Materials by Functionalization with Tyrosine-Derived Groups. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1534-1539.	2.0	39
511	Polymers in Biomedicine and Electronics. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1487-1491.	2.0	22
512	Progress in Depsipeptide-Based Biomaterials. <i>Macromolecular Bioscience</i> , 2010, 10, 1008-1021.	2.1	68
513	AB-polymer Networks with Cooligoester and Poly( $n$ -butyl acrylate) Segments as a Multifunctional Matrix for Controlled Drug Release. <i>Macromolecular Bioscience</i> , 2010, 10, 1063-1072.	2.1	33
514	Polymers in Biomedicine. <i>Macromolecular Bioscience</i> , 2010, 10, 993-997.	2.1	26
515	Cytocompatibility testing of cell culture modules fabricated from specific candidate biomaterials using injection molding. <i>Journal of Biotechnology</i> , 2010, 148, 76-82.	1.9	44
516	Relaxation based modeling of tunable shape recovery kinetics observed under isothermal conditions for amorphous shape-memory polymers. <i>Polymer</i> , 2010, 51, 6212-6218.	1.8	64
517	Engineering Materials for Regenerative Medicine. <i>MRS Bulletin</i> , 2010, 35, 571-577.	1.7	22
518	Melt-processable hydrophobic acrylonitrile-based copolymer systems with adjustable elastic properties designed for biomedical applications. <i>Clinical Hemorheology and Microcirculation</i> , 2010, 45, 401-411.	0.9	5
519	An entropy-elastic gelatin-based hydrogel system. <i>Journal of Materials Chemistry</i> , 2010, 20, 8875.	6.7	94
520	Adjusting shape-memory properties of amorphous polyether urethanes and radio-opaque composites thereof by variation of physical parameters during programming. <i>Smart Materials and Structures</i> , 2010, 19, 065019.	1.8	49
521	In vivo evaluation of the angiogenic effects of the multiblock copolymer PDC using the hen's egg chorioallantoic membrane test. <i>Clinical Hemorheology and Microcirculation</i> , 2010, 46, 233-238.	0.9	11
522	Interaction of thrombocytes with poly(ether imide): The influence of processing. <i>Clinical Hemorheology and Microcirculation</i> , 2010, 46, 239-250.	0.9	26



#	ARTICLE	IF	CITATIONS
523	Degradation of and angiogenesis around multiblock copolymers containing poly(p-dioxanone)- and poly( $\mu$ -caprolactone)-segments subcutaneously implanted in the rat neck. <i>Clinical Hemorheology and Microcirculation</i> , 2010, 45, 117-122.	0.9	7
524	CD14+ CD163+ IL-10+ monocytes/macrophages: Pro-angiogenic and non pro-inflammatory isolation, enrichment and long-term secretion profile. <i>Clinical Hemorheology and Microcirculation</i> , 2010, 46, 217-223.	0.9	17
525	Influence of VEGF stimulated human macrophages on the proliferation of dermal microvascular endothelial cells: Coculture experiments. <i>Clinical Hemorheology and Microcirculation</i> , 2010, 46, 211-216.	0.9	3
526	Shape-memory polymers as a technology platform for biomedical applications. <i>Expert Review of Medical Devices</i> , 2010, 7, 357-379.	1.4	382
527	Two stages in three-dimensional <i>in vitro</i> growth of tissue generated by osteoblastlike cells. <i>Biointerphases</i> , 2010, 5, 45-52.	0.6	52
528	Degradable, Multifunctional Cardiovascular Implants: Challenges and Hurdles. <i>MRS Bulletin</i> , 2010, 35, 607-613.	1.7	116
529	Multicomponent protein patterning of material surfaces. <i>Journal of Materials Chemistry</i> , 2010, 20, 7322.	6.7	55
530	Triple-shape polymers. <i>Journal of Materials Chemistry</i> , 2010, 20, 3335.	6.7	186
531	Artifact-free measurement of residual dipolar couplings in DMSO by the use of cross-linked perdeuterated poly(acrylonitrile) as alignment medium. <i>Chemical Communications</i> , 2010, 46, 8273.	2.2	18
532	Progress in actively moving polymers. <i>Journal of Materials Chemistry</i> , 2010, 20, 3332.	6.7	63
533	Design principles for polymers as substratum for adherent cells. <i>Journal of Materials Chemistry</i> , 2010, 20, 8789.	6.7	59
534	The Nature of the Thermal Transition Influences the Shape-Memory Behavior of Polymer Networks. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2010, , 131-156.	0.5	1
535	Overview of Shape-Memory Polymers. , 2010, , 1-20.		7
536	Results of Biocompatibility Testing of Novel, Multifunctional Polymeric Implant Materials In-Vitro and In-Vivo. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2010, , 285-300.	0.5	0
537	Thermomechanical Characterizations of Shape-Memory Polymers (Dual/Triple-Shape) and Modeling Approaches. , 2010, , 91-107.		1
538	Thermomechanical Behaviour of Biodegradable Shape-memory Polymer Foams. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1190, 94.	0.1	11
539	Mechanical Properties of Polymer Blends Having Shape-memory Capability. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1190, 24.	0.1	4
540	Thermomechanical Properties and Shape-Memory Capability of Drug Loaded Semi-Crystalline Polyestermethacrylate Networks. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1190, 113.	0.1	6

#	ARTICLE	IF	CITATIONS
541	X-ray Scattering Studies to Investigate Triple-shape Capability of Polymer Networks Based on poly( $\mu$ -caprolactone) and poly(cyclohexyl methacrylate) Segments. Materials Research Society Symposia Proceedings, 2009, 1190, 75.	0.1	3
542	Shape-Memory Properties of Radiopaque Micro-Composites from Amorphous Polyether Urethanes Designed for Medical Application. Materials Research Society Symposia Proceedings, 2009, 1190, 1.	0.1	12
543	Multiphase Polymer Networks with Shape-Memory. Materials Research Society Symposia Proceedings, 2009, 1190, 30.	0.1	1
544	Amorphous Polymer Networks Combining Three Functionalities—Shape-memory, Biodegradability, and Drug Release. Materials Research Society Symposia Proceedings, 2009, 1190, 184.	0.1	4
545	Ability to Control the Glass Transition Temperature of Amorphous Shape-Memory Polyesterurethane Networks by Varying Prepolymers in Molecular Mass as well as in Type and Content of Incorporated Comonomers. Materials Research Society Symposia Proceedings, 2009, 1190, 45.	0.1	0
546	Triple-Shape Capability of Thermo-sensitive Nanocomposites from Multiphase Polymer Networks and Magnetic Nanoparticles. Materials Research Society Symposia Proceedings, 2009, 1190, 87.	0.1	5
547	Evaluation of a degradable shape-memory polymer network as matrix for controlled drug release. Journal of Controlled Release, 2009, 138, 243-250.	4.8	215
548	One-Step Process for Creating Triple-Shape Capability of AB Polymer Networks. Advanced Functional Materials, 2009, 19, 102-108.	7.8	159
549	Knowledge-Based Approach towards Hydrolytic Degradation of Polymer-Based Biomaterials. Advanced Materials, 2009, 21, 3237-3245.	11.1	134
550	Polymer Networks Combining Controlled Drug Release, Biodegradation, and Shape Memory Capability. Advanced Materials, 2009, 21, 3394-3398.	11.1	163
551	Materials in Regenerative Medicine. Advanced Materials, 2009, 21, 3231-3234.	11.1	82
552	Biodegradable Multiblock Copolymers Based on Oligodepsipeptides with Shape-Memory Properties. Macromolecular Bioscience, 2009, 9, 45-54.	2.1	108
553	All-atom molecular dynamics simulation studies of fully hydrated gel phase DPPG and DPPE bilayers. Journal of Molecular Structure, 2009, 921, 38-50.	1.8	27
554	Amorphous phase-segregated copoly(ether)esterurethane thermoset networks with oligo(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Materials Science: Materials in Medicine, 2009, 20, 1815-1824.	1.7	20
555	Membrane association and selectivity of the antimicrobial peptide NK-2: a molecular dynamics simulation study. Journal of Peptide Science, 2009, 15, 654-667.	0.8	18
556	Kinetics and dynamics of thermally-induced shape-memory behavior of crosslinked short-chain branched polyethylenes. Polymer, 2009, 50, 5490-5498.	1.8	81
557	Controlling the Switching Temperature of Biodegradable, Amorphous, Shape-Memory Poly( <i>rac</i> -lactide)urethane Networks by Incorporation of Different Comonomers. Biomacromolecules, 2009, 10, 975-982.	2.6	113
558	Shape-Memory Polymer Composites. Advances in Polymer Science, 2009, , 41-95.	0.4	78



#	ARTICLE	IF	CITATIONS
559	Characterization Methods for Shape-Memory Polymers. <i>Advances in Polymer Science</i> , 2009, , 97-145.	0.4	87
560	Shape-Memory Polymers and Shape-Changing Polymers. <i>Advances in Polymer Science</i> , 2009, , 1-40.	0.4	77
561	Shape-memory capability of binary multiblock copolymer blends with hard and switching domains provided by different components. <i>Soft Matter</i> , 2009, 5, 676-684.	1.2	110
562	Novel Polymer Blends for the Preparation of Membranes for Biohybrid Liver Systems. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009, 20, 821-839.	1.9	6
563	Controlled Drug Release from Biodegradable Shape-Memory Polymers. <i>Advances in Polymer Science</i> , 2009, , 177-205.	0.4	44
564	Investigation of parameters to achieve temperatures required to initiate the shape-memory effect of magnetic nanocomposites by inductive heating. <i>Smart Materials and Structures</i> , 2009, 18, 025011.	1.8	95
565	Localized and Sustained SDF-1 Gene Release Mediated by Fibronectin Films: A Potential Method for Recruiting Stem Cells. <i>International Journal of Artificial Organs</i> , 2009, 32, 141-149.	0.7	18
566	Characterization Methods for Shape-Memory Polymers. <i>Advances in Polymer Science</i> , 2009, , 97-145.	0.4	14
567	Shape-Memory Polymers and Shape-Changing Polymers. <i>Advances in Polymer Science</i> , 2009, , 1-40.	0.4	41
568	Shape-Memory Polymer Composites. <i>Advances in Polymer Science</i> , 2009, , 41-95.	0.4	30
569	Controlled Drug Release from Biodegradable Shape-Memory Polymers. <i>Advances in Polymer Science</i> , 2009, , 177-205.	0.4	5
570	Materials Science Aspects of Bone Fracture and Regeneration. <i>IFMBE Proceedings</i> , 2009, , 259-259.	0.2	0
571	Determination of solvent/polymer interaction parameters of moderately concentrated polymer solutions by vapor pressure osmometry. <i>Polymer</i> , 2008, 49, 2587-2594.	1.8	26
572	Hemocompatibility of poly(ether imide) membranes functionalized with carboxylic groups. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 3203-3210.	1.7	29
573	Enhanced thoracic gene delivery by magnetic nanobead-mediated vector. <i>Journal of Gene Medicine</i> , 2008, 10, 897-909.	1.4	66
574	Microwave plasma surface modification of silicone elastomer with allylamine for improvement of biocompatibility. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 86A, 209-219.	2.1	38
575	Amorphous, Elastic AB Copolymer Networks from Acrylates and Poly[ <i>l</i> -lactide)- <i>ran</i> -glycolide]dimethacrylates. <i>Advanced Engineering Materials</i> , 2008, 10, 494-502.	1.6	63
576	Enzymatic monolayer degradation study of multiblock copolymers consisting of poly( $\mu$ -caprolactone) and poly( <i>p</i> -dioxanone) blocks. <i>Thin Solid Films</i> , 2008, 516, 8821-8828.	0.8	23

#	ARTICLE	IF	CITATIONS
577	Poly(ether imide) membranes: studies on the effect of surface modification and protein pre-adsorption on endothelial cell adhesion, growth and function. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2008, 19, 837-852.	1.9	21
578	An Atomistic Modeling and Quantum Mechanical Approach to the Hydrolytic Degradation of Aliphatic Polyesters. <i>Macromolecular Symposia</i> , 2008, 269, 47-64.	0.4	18
579	Intracardiac Erythropoietin Injection Reveals Antiinflammatory Potential and Improved Cardiac Functions Detected by Forced Swim Test. <i>Transplantation Proceedings</i> , 2008, 40, 962-966.	0.3	25
580	Selective enzymatic degradation of poly( $\hat{\mu}$ -caprolactone) containing multiblock copolymers. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 68, 46-56.	2.0	82
581	Shape-Memory Polymers for Biomedical Applications. <i>Advances in Science and Technology</i> , 2008, 54, 96-102.	0.2	34
582	Dual and Triple Shape Capability of AB Polymer Networks based on Poly( $\hat{\mu}$ -caprolactone)dimethacrylates. , 2008, , .		5
583	Computational modeling of anionic and zwitterionic lipid bilayers for investigating surface activities of bioactive molecules. , 2008, , .		0
584	Stretched Poly(acrylonitrile) as a Scalable Alignment Medium for DMSO. <i>Journal of the American Chemical Society</i> , 2007, 129, 6080-6081.	6.6	92
585	Membranes from Acrylonitrile-Based Polymers for Selective Cultivation of Human Keratinocytes. <i>Tissue Engineering</i> , 2007, 13, 2995-3002.	4.9	18
586	Dual-shape properties of triple-shape polymer networks with crystallizable network segments and grafted side chains. <i>Journal of Materials Chemistry</i> , 2007, 17, 2885.	6.7	137
587	Shape-Memory Polymer Networks from Oligo[( $\hat{\mu}$ -hydroxycaproate)-co-glycolate]dimethacrylates and Butyl Acrylate with Adjustable Hydrolytic Degradation Rate. <i>Biomacromolecules</i> , 2007, 8, 1018-1027.	2.6	121
588	Actively moving polymers. <i>Soft Matter</i> , 2007, 3, 58-67.	1.2	300
589	Synthesis and characterization of $\hat{1}\pm, \hat{1}\%$ -dihydroxy-telechelic oligo(p-dioxanone). <i>Journal of Materials Chemistry</i> , 2007, 17, 4050.	6.7	33
590	Degradable shape-memory polymer networks from oligo[(l-lactide)-ran-glycolide]dimethacrylates. <i>Soft Matter</i> , 2007, 3, 901.	1.2	104
591	Enzymatic Chain Scission Kinetics of Poly( $\hat{\mu}$ -caprolactone) Monolayers. <i>Langmuir</i> , 2007, 23, 12202-12207.	1.6	40
592	Influence of the surface structure of a multiblock copolymer on the cellular behavior of primary cell cultures of the upper aerodigestive tract in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 83A, 558-569.	2.1	9
593	Modulation of hybridoma cell growth and antibody production by coating cell culture material with extracellular matrix proteins. <i>Biochemical Engineering Journal</i> , 2007, 35, 301-308.	1.8	3
594	Modification of poly(ether imide) membranes with brominated polyvinylpyrrolidone. <i>Journal of Membrane Science</i> , 2007, 291, 10-18.	4.1	16

#	ARTICLE	IF	CITATIONS
595	Preparation of aminated microfiltration membranes by degradable functionalization using plain PEI membranes with various morphologies. <i>Journal of Membrane Science</i> , 2007, 292, 145-157.	4.1	25
596	Gene delivery to the heart by magnetic nanobeads. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 311, 336-341.	1.0	22
597	Formation of poly( $\mu$ -caprolactone) scaffolds loaded with small molecules by integrated processes. <i>Journal of Biomechanics</i> , 2007, 40, S80-S88.	0.9	33
598	Shape-memory polymers. <i>Materials Today</i> , 2007, 10, 20-28.	8.3	1,078
599	Hydrolytic degradation of poly(rac-lactide) and poly[(rac-lactide)-co-glycolide] at the air-water interface. <i>Surface and Interface Analysis</i> , 2007, 39, 740-746.	0.8	44
600	Bcl-2 Engineered MSCs Inhibited Apoptosis and Improved Heart Function. <i>Stem Cells</i> , 2007, 25, 2118-2127.	1.4	410
601	Chapter 12. Intelligent Materials: Shape-Memory Polymers. , 2007, , 301-316.		1
602	The influence of a multifunctional, polymeric biomaterial on the concentration of acute phase proteins in an animal model. <i>Clinical Hemorheology and Microcirculation</i> , 2007, 36, 301-11.	0.9	7
603	Initiation of shape-memory effect by inductive heating of magnetic nanoparticles in thermoplastic polymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3540-3545.	3.3	735
604	Polymeric triple-shape materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18043-18047.	3.3	440
605	Design and preparation of polymeric scaffolds for tissue engineering. <i>Expert Review of Medical Devices</i> , 2006, 3, 835-851.	1.4	200
606	Regenerative Medicine? Membranes and Scaffolds. <i>Artificial Organs</i> , 2006, 30, 727-729.	1.0	3
607	Poly(ether imide) Scaffolds as Multifunctional Materials for Potential Applications in Regenerative Medicine. <i>Artificial Organs</i> , 2006, 30, 764-769.	1.0	12
608	Development of highly porous microparticles from poly(ether imide) prepared by a spraying/coagulation process. <i>Journal of Membrane Science</i> , 2006, 273, 106-115.	4.1	20
609	From Advanced Biomedical Coatings to Multi-Functionalized Biomaterials. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 2006, 46, 347-375.	2.2	82
610	Biocompatibility testing of novel multifunctional polymeric biomaterials for tissue engineering applications in head and neck surgery: an overview. <i>European Archives of Oto-Rhino-Laryngology</i> , 2006, 263, 215-222.	0.8	63
611	Preparation of novel composite membranes: Reactive coating on microporous poly(ether imide) support membranes. <i>Journal of Membrane Science</i> , 2006, 269, 49-59.	4.1	17
612	Poly(ether imide) Membranes Modified with Poly(ethylene imine) as Potential Carriers for Epidermal Substitutes. <i>Macromolecular Bioscience</i> , 2006, 6, 274-284.	2.1	46

#	ARTICLE	IF	CITATIONS
613	Synthesis, Shape-Memory Functionality and Hydrolytical Degradation Studies on Polymer Networks from Poly(rac-lactide)-b-poly(propylene oxide)-b-poly(rac-lactide) dimethacrylates. <i>Advanced Engineering Materials</i> , 2006, 8, 439-445.	1.6	80
614	Molecular Modeling Investigations of Dry and Two Water-Swollen States of Biodegradable Polymers. <i>Advanced Engineering Materials</i> , 2006, 8, 434-439.	1.6	23
615	Polymers Move in Response to Light. <i>Advanced Materials</i> , 2006, 18, 1471-1475.	11.1	565
616	Solid-State NMR Characterization of Biodegradable Shape-Memory Polymer Networks. <i>Macromolecular Symposia</i> , 2005, 230, 110-115.	0.4	14
617	Preparation of highly asymmetric hollow fiber membranes from poly(ether imide) by a modified dry-wet phase inversion technique using a triple spinneret. <i>Journal of Membrane Science</i> , 2005, 262, 69-80.	4.1	35
618	Determination of water/polymer interaction parameter for membrane-forming systems by sorption measurement and a fitting technique. <i>Journal of Membrane Science</i> , 2005, 265, 1-12.	4.1	47
619	Light-induced shape-memory polymers. <i>Nature</i> , 2005, 434, 879-882.	13.7	1,808
620	Biodegradable, Amorphous Copolyester-Urethane Networks Having Shape-Memory Properties. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1188-1192.	7.2	226
621	Shape-memory polymer networks from oligo( $\epsilon$ -caprolactone)dimethacrylates. <i>Journal of Polymer Science Part A</i> , 2005, 43, 1369-1381.	2.5	206
622	Degradable, Multifunctional Polymeric Biomaterials with Shape-Memory. <i>Materials Science Forum</i> , 2005, 492-493, 219-224.	0.3	47
623	The influence of the chemical composition of cell culture material on the growth and antibody production of hybridoma cells. <i>Journal of Biotechnology</i> , 2005, 115, 291-301.	1.9	18
624	On the tissue compatibility of poly(ether imide) membranes: an in vitro study on their interaction with human dermal fibroblasts and keratinocytes. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2005, 16, 23-42.	1.9	21
625	Biodegradable Shape-Memory Polymer Networks: Characterization with Solid-State NMR. <i>Macromolecules</i> , 2005, 38, 3793-3799.	2.2	57
626	Dynamics of $\beta$ 1-Integrins in Living Fibroblasts—Effect of Substratum Wettability. <i>Biophysical Journal</i> , 2005, 89, 3555-3562.	0.2	10
627	Layer-by-Layer Deposition of Polyelectrolytes—A Versatile Tool for the In Vivo Repair of Blood Vessels. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 926-928.	7.2	54
628	Layer-by-Layer Deposition of Polyelectrolytes — A Versatile Tool for the in vivo Repair of Blood Vessels.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
629	In vitro cytotoxicity testing of AB-polymer networks based on oligo( $\epsilon$ -caprolactone) segments after different sterilization techniques. <i>Journal of Biomedical Materials Research Part B</i> , 2003, 67B, 722-731.	3.0	63
630	Biodegradable, Elastic Shape-Memory Polymers for Potential Biomedical Applications. <i>Science</i> , 2002, 296, 1673-1676.	6.0	1,971

#	ARTICLE	IF	CITATIONS
631	FormgedÄchtnispolymere. Angewandte Chemie, 2002, 114, 2138.	1.6	76
632	Shape-Memory Polymers. Angewandte Chemie - International Edition, 2002, 41, 2034.	7.2	2,287
633	Shapeâ€Memory Polymers. ChemInform, 2002, 33, 251-251.	0.1	4
634	Shape-memory polymers. Angewandte Chemie - International Edition, 2002, 41, 2035-57.	7.2	149
635	Hydrolytic Degradation of Phase-Segregated Multiblock Copoly(ester urethane)s Containing Weak Links. Macromolecular Chemistry and Physics, 2001, 202, 2702-2711.	1.1	55
636	AB-polymer networks based on oligo(varepsilon -caprolactone) segments showing shape-memory properties. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 842-847.	3.3	100
637	Tailor-made intelligent polymers for biomedical applications. , 2001, , 278-290.		5
638	Hydroxy-telechelic copolyesters with well defined sequence structure through ring-opening polymerization. Macromolecular Chemistry and Physics, 2000, 201, 1067-1076.	1.1	66
639	Tissue-compatible multiblock copolymers for medical applications, controllable in degradation rate and mechanical properties. Macromolecular Chemistry and Physics, 1998, 199, 2785-2796.	1.1	86
640	Synthesis of fluorescence-labelled short-chain polyester segments for the investigation of bioresorbable poly(ester-urethane)s. Macromolecular Chemistry and Physics, 1997, 198, 1481-1498.	1.1	7
641	Synthesis of biomedical, fluorescence-labelled polyesterurethanes for the investigation of their degradation. Macromolecular Chemistry and Physics, 1997, 198, 2667-2688.	1.1	3
642	Molecular Modeling and Experimental Investigation of Hydrolytically Degradable Polymeric Biomaterials. Advances in Science and Technology, 0, , .	0.2	7
643	Ethylene oxide sterilization of electrospun poly(l-lactide)/poly(d-lactide) core/shell nanofibers. MRS Advances, 0, , 1.	0.5	0
644	Degradation kinetics of oligo(Îµ-caprolactone) ultrathin films: Influence of crystallinity. MRS Advances, 0, , 1.	0.5	0
645	Degradable, Multifunctional Polymeric Biomaterials with Shape-Memory. Materials Science Forum, 0, , 219-224.	0.3	3
646	Prediction of the epichlorohydrin derived cytotoxic substances from the eluent of poly(glycerol) Tj ETQq0 0 0 rgBT JOverlock 10 Tf 50 14	0.5	0