

Biodegradable thermosensitive copolymer hydrogels fo

Expert Opinion on Therapeutic Patents

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Biodegradable thermogelling poly(ester urethane)s consisting of poly(lactic acid) â€“ Thermodynamics of micellization and hydrolytic degradation. <i>Biomaterials</i> , 2008, 29, 2164-2172.	5.7	153
2	Synthesis and water-swelling of thermo-responsive poly(ester urethane)s containing poly( $\mu$ -caprolactone), poly(ethylene glycol) and poly(propylene glycol). <i>Biomaterials</i> , 2008, 29, 3185-3194.	5.7	157
3	A Thermosensitive and Biodegradable Physical Gel with Chemically Crosslinked Nanogels as the Building Block. <i>Macromolecular Rapid Communications</i> , 2008, 29, 751-756.	2.0	49
4	Micellization and phase transition behavior of thermosensitive poly(N-isopropylacrylamide)â€“poly( $\epsilon$ -caprolactone)â€“poly(N-isopropylacrylamide) triblock copolymers. <i>Polymer</i> , 2008, 49, 5084-5094.	1.8	89
5	Head Group Modulated pH-Responsive Hydrogel of Amino Acid-Based Amphiphiles:â€“% Entrapment and Release of Cytochrome <i>c</i> and Vitamin B <sub>12</sub> . <i>Langmuir</i> , 2008, 24, 4280-4288.	1.6	109
6	Surface Coating with a Thermoresponsive Copolymer for the Culture and Nonâ€“Enzymatic Recovery of Mouse Embryonic Stem Cells. <i>Macromolecular Bioscience</i> , 2009, 9, 1069-1079.	2.1	80
7	Biodegradable Thermogelling Poly[( <i>R</i> )-3-hydroxybutyrate]-Based Block Copolymers: Micellization, Gelation, and Cytotoxicity and Cell Culture Studies. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11822-11830.	1.2	100
8	Reverse Thermal Gelation of PAF-PLX-PAF Block Copolymer Aqueous Solution. <i>Biomacromolecules</i> , 2009, 10, 2476-2481.	2.6	50
9	Synthesis of Novel Biodegradable Thermoresponsive Triblock Copolymers Based on Poly[( <i>R</i> )-3-hydroxybutyrate] and Poly( <i>N</i> -isopropylacrylamide) and Their Formation of Thermoresponsive Micelles. <i>Macromolecules</i> , 2009, 42, 194-202.	2.2	130
10	Novel poly(N-isopropylacrylamide)-poly[( <i>R</i> )-3-hydroxybutyrate]-poly(N-isopropylacrylamide) triblock copolymer surface as a culture substrate for human mesenchymal stem cells. <i>Soft Matter</i> , 2009, 5, 2937.	1.2	78
11	Reverse thermogelling biodegradable polymer aqueous solutions. <i>Journal of Materials Chemistry</i> , 2009, 19, 5891.	6.7	111
12	Controlled drug release from biodegradable thermoresponsive physical hydrogel nanofibers. <i>Journal of Controlled Release</i> , 2010, 143, 175-182.	4.8	206
13	In situ thermal gelling polypeptide for chondrocytes 3D culture. <i>Biomaterials</i> , 2010, 31, 9266-9272.	5.7	92
14	Synthesis of Poly( <i>p</i> -dioxanone) Catalyzed by Zn L-Lactate under Microwave Irradiation and Its Application in Ibuprofen Delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 927-936.	1.9	11
15	Micellization and Thermogelation of Poly(ether urethane)s Comprising Poly(ethylene glycol) and Poly(propylene glycol). <i>Macromolecular Symposia</i> , 2010, 296, 161-169.	0.4	15
16	Thermal gelling polyalanine-ploxamine-polyalanine aqueous solution for chondrocytes 3D culture: Initial concentration effect. <i>Soft Matter</i> , 2011, 7, 456-462.	1.2	42
17	Block sequence affects thermosensitivity and nano-assembly: PEG-I-PA-dl-PA and PEG-dl-PA-I-PA block copolymers. <i>Soft Matter</i> , 2011, 7, 6515.	1.2	38
18	Encapsulation of basic fibroblast growth factor in thermogelling copolymers preserves its bioactivity. <i>Journal of Materials Chemistry</i> , 2011, 21, 2246.	6.7	94

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20	pH/temperature sensitive chitosan-g-(PA-PEG) aqueous solutions as new thermogelling systems. <i>Journal of Materials Chemistry</i> , 2011, 21, 5484.	6.7	31
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26	CHAPTER 8. Hydrogels for Biomedical Applications. <i>Monographs in Supramolecular Chemistry</i> , 2012, , 167-209.	0.2	3
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28	PEG-PAF and PEG-PAF: Comparative Study on Thermogellation and Biodegradation. <i>Macromolecules</i> , 2012, 45, 2007-2013.	2.2	43
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31	Complexation-Induced Biomimetic Long Range Fibrous Orientation in a Rigid-Flexible Block Copolymer Thermogel. <i>Advanced Functional Materials</i> , 2012, 22, 5118-5125.	7.8	28
32	Synthesis and characterization of poly(amino urea urethane)-based block copolymer and its potential application as injectable pH/temperature-sensitive hydrogel for protein carrier. <i>Polymer</i> , 2012, 53, 4069-4075.	1.8	27
33	Cell Therapy for Skin Wound Using Fibroblast Encapsulated Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 222 Td (glycol)â€poly(<sc>	2.6	31
34	Temperature-responsive compounds as in situ gelling biomedical materials. <i>Chemical Society Reviews</i> , 2012, 41, 4860.	18.7	370
35	Thermogelling Chitosan-g-(PAF-PEG) Aqueous Solution As an Injectable Scaffold. <i>Biomacromolecules</i> , 2012, 13, 1750-1757.	2.6	32
36	Molecular captian: A light-sensitive linker molecule in poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 112 Td (glycol)â€poly(<sc>nano-assembly, conformation, and sol-gel transition. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3184-3191.	2.5	14
37	Sustained delivery of paclitaxel using thermogelling poly(PEG/PPG/PCL urethane)s for enhanced toxicity against cancer cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 2686-2694.	2.1	85

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61	Recent Progress in Using Biomaterials as Vitreous Substitutes. <i>Biomacromolecules</i> , 2015, 16, 3093-3102.	2.6	98
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