

Facile design of biomaterials by "click" chemistry

Polymer International

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A general synthetic strategy to prepare poly(ethylene glycol)-based multifunctional copolymers. <i>Polymer Chemistry</i> , 2012, 3, 2342.	1.9	61
2	Aromatic aldehyde functionalized polycaprolactone and polystyrene macromonomers: Synthesis, characterization and aldehyde-aminooxy click reaction. <i>Reactive and Functional Polymers</i> , 2012, 72, 713-721.	2.0	10
3	Thiol-epoxy click polymerization: efficient construction of reactive and functional polymers. <i>Polymer Chemistry</i> , 2012, 3, 3224.	1.9	128
4	Degradable click-polyesters from erythritol having free hydroxyl groups. <i>Polymer Degradation and Stability</i> , 2012, 97, 1662-1670.	2.7	19
5	Biointerface Properties of Core-Shell Poly(vinyl alcohol)-hyaluronic Acid Microgels Based on Chemoselective Chemistry. <i>Biomacromolecules</i> , 2012, 13, 3592-3601.	2.6	24
6	RAFT polymerization of vinyl methacrylate and subsequent conjugation via enzymatic thiol-ene chemistry. <i>Journal of Polymer Science Part A</i> , 2012, 50, 4085-4093.	2.5	16
7	Novel cross-linkers for PDMS networks for controlled and well distributed grafting of functionalities by click chemistry. <i>Polymer Chemistry</i> , 2013, 4, 1700.	1.9	71
8	Evaluation of thiocarbonyl and thioester moieties as thiol protecting groups for controlled radical polymerization. <i>Polymer Chemistry</i> , 2013, 4, 5577.	1.9	41
9	Immobilization of Antimicrobial Peptide IG-25 onto Fluoropolymers via Fluorous Interactions and Click Chemistry. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12789-12793.	4.0	28
10	Thiol-ene Click Reactions - Versatile Tools for the Modification of Unsaturated Amino Acids and Peptides. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7101-7109.	1.2	9
11	Sulfonated hydrocarbon graft architectures for cation exchange membranes. <i>European Polymer Journal</i> , 2013, 49, 3601-3609.	2.6	8
12	Synthesis of Monoconjugated and Multiply Conjugated Oligonucleotides by Click Thiol-Michael-type Additions and by Combination with CuAAC Click Huisgen. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 465-473.	1.2	20
13	Polymer International in the year 2012. <i>Polymer International</i> , 2013, 62, 1-1.	1.6	0
14	Linear-dendritic biodegradable block copolymers: from synthesis to application in bionanotechnology. <i>Polymer Chemistry</i> , 2013, 4, 46-52.	1.9	46
15	Graphene veils: A versatile surface chemistry for sensors. <i>BioTechniques</i> , 2014, 57, 21-30.	0.8	10
16	One-pot deprotection and functionalization of polythiol copolymers via six different thiol-X reactions. <i>Polymer International</i> , 2014, 63, 887-893.	1.6	25
17	The pentafluorostyrene endeavours with atom transfer radical polymerization - quo vadis?. <i>Polymer International</i> , 2014, 63, 814-823.	1.6	17
18	Advanced synthetic polymer biomaterials derived from organic sources. , 2014, , 71-99.		8

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19	Miktoarm star conjugated multifunctional gold nanoshells: synthesis and an evaluation of biocompatibility and cellular uptake. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6334-6344.	2.9	7
20	Synthesis of telechelic vinyl/allyl functional siloxane copolymers with structural control. <i>Polymer Chemistry</i> , 2014, 5, 7054-7061.	1.9	57
21	One-Pot Photo-Induced Sequential CuAAC and Thiol-Ene Click Strategy for Bioactive Macromolecular Synthesis. <i>Macromolecules</i> , 2014, 47, 3608-3613.	2.2	58
22	Thiol-benzoxazine chemistry as a novel Thiol-X reaction for the synthesis of block copolymers. <i>Polymer</i> , 2014, 55, 5550-5556.	1.8	34
23	One-Pot, One-Step Strategy for the Preparation of Clickable Melamine Based Microporous Organic Polymer Network. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 1116-1122.	1.7	24
25	Degradable poly(ester triazole)s based on renewable resources. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2481-2493.	2.5	10
26	Functional Degradable Polymers by Radical Ring-Opening Copolymerization of MDO and Vinyl Bromobutanoate: Synthesis, Degradability and Post-Polymerization Modification. <i>Biomacromolecules</i> , 2015, 16, 2049-2058.	2.6	69
27	Influence of Cross-Linking on the Physical Properties and Cytotoxicity of Polyhydroxyalkanoate (PHA) Scaffolds for Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 567-576.	2.6	39
28	Click grafting of alkyne-containing vinyl polymers onto biosynthesized extracellular matrix protein containing azide functionality and adhesion control of human umbilical vein endothelial cells. <i>RSC Advances</i> , 2015, 5, 41445-41456.	1.7	5
29	Facile syntheses of alkoxy-silanated phosphorylcholines as surface modifiers: CuAAC and thiol-ene click reactions. <i>RSC Advances</i> , 2015, 5, 14273-14276.	1.7	6
30	Recent Advances in Recoverable Systems for the Copper-Catalyzed Azide-Alkyne Cycloaddition Reaction (CuAAC). <i>Molecules</i> , 2016, 21, 1174.	1.7	84
31	Synthesis, curing and properties of poly(phthalazone ether sulfone ketone) copolymers crosslinked by click chemistry. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2016, 34, 1208-1219.	2.0	2
32	Fehling solution/DIPEA/hydrazine: an alternative catalytic medium for regioselective synthesis of 1,4-disubstituted-1H-1,2,3-triazoles using azide-alkyne cycloaddition reaction. <i>Tetrahedron Letters</i> , 2016, 57, 4473-4476.	0.7	17
33	Use of thiol-ene click chemistry to modify mechanical and thermal properties of polyhydroxyalkanoates (PHAs). <i>International Journal of Biological Macromolecules</i> , 2016, 83, 358-365.	3.6	33
34	When CuAAC 'Click Chemistry' goes heterogeneous. <i>Catalysis Science and Technology</i> , 2016, 6, 923-957.	2.1	132
35	Synthesis of E7 peptide-modified biodegradable polyester with the improving affinity to mesenchymal stem cells. <i>Materials Science and Engineering C</i> , 2017, 73, 562-568.	3.8	19
36	Synthesis of allyl end-block functionalized poly(ϵ -caprolactone)s and their facile post-functionalization via thiol-ene reaction. <i>Journal of Polymer Science Part A</i> , 2017, 55, 928-939.	2.5	8
37	Simultaneous and Sequential Synthesis of Polyaniline- <i>g</i> -poly(ethylene glycol) by Combination of Oxidative Polymerization and CuAAC Click Chemistry: A Water-Soluble Instant Response Glucose Biosensor Material. <i>Macromolecules</i> , 2017, 50, 1824-1831.	2.2	22

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38	CuAAC-Based Click Chemistry in Self-Healing Polymers. <i>Accounts of Chemical Research</i> , 2017, 50, 2610-2620.	7.6	137
39	Preparation of antimicrobial wound dressings via thiol-ene photopolymerization reaction. <i>Journal of Materials Science</i> , 2018, 53, 1581-1595.	1.7	22
40	Synthesis of degradable linear cationic poly(amide triazole)s with DNA-condensation capability. <i>European Polymer Journal</i> , 2019, 113, 36-46.	2.6	7
41	Biomaterial-Based Activation and Expansion of Tumor-Specific T Cells. <i>Frontiers in Immunology</i> , 2019, 10, 931.	2.2	15
42	The CuAAC: Principles, Homogeneous and Heterogeneous Catalysts, and Novel Developments and Applications. <i>Macromolecular Rapid Communications</i> , 2020, 41, e1900359.	2.0	146
43	Synthetic Approaches to Combine the Versatility of the Thiol Chemistry with the Degradability of Aliphatic Polyesters. <i>Polymer Reviews</i> , 2020, 60, 86-113.	5.3	5
44	Synthesis and electropolymerization of a multifunctional naphthalimide clicked carbazole derivative. <i>Polymer International</i> , 2020, 69, 265-273.	1.6	5
45	Galactose-derived poly(amide-triazole)s. Degradation, deprotection and derivatization studies. <i>European Polymer Journal</i> , 2020, 130, 109653.	2.6	2
46	Organoselenium-chitosan derivative: Synthesis via click-reaction, characterization and antioxidant activity. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 19-26.	3.6	14
47	Naphthalimide clicked polycarbazoles: Synthesis, characterization, and investigation of their optical, electrochemical and spectroelectrochemical properties. <i>Synthetic Metals</i> , 2022, 285, 117031.	2.1	4
48	Light-induced synthesis and characterization of clickable polyacrylamide hydrogels. <i>European Polymer Journal</i> , 2022, 167, 111062.	2.6	9