Theoni K Georgiou

List of Publications by Year
in descending order

67	3,282	172386	149623
papers	citations	29 h-index	56 g-index

74	74	74	3719
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Liquidâ€“liquid phase separation in aqueous solutions of poly(ethylene glycol) methacrylate homopolymers. Journal of Polymer Science, 2022, 60, 188-198.	2.0	8
2	Next generation strategy for tuning the thermoresponsive properties of micellar and hydrogel drug delivery vehicles using ionic liquids. Polymer Chemistry, 2022, 13, 2340-2350.	1.9	6
3	Thermoresponsive oligo(ethylene glycol) methyl ether methacrylate based copolymers: composition and comonomer effect. Polymer Chemistry, 2022, 13, 2506-2518.	1.9	10
4	Investigation of the Thermogelation of a Promising Biocompatible ABC Triblock Terpolymer and Its Comparison with Pluronic F127. Macromolecules, 2022, 55, 1783-1799.	2.2	9
5	Effect of Polymer Molecular Mass and Structure on the Mechanical Properties of Polymerâ€“Glass Hybrids. ACS Omega, 2022, 7, 786-792.	1.6	3
6	Homo- and co-polymerisation of di(propylene glycol) methyl ether methacrylate â€“ a new monomer. Polymer Chemistry, 2021, 12, 3522-3532.	1.9	11
7	Tuning the Gelation of Thermoresponsive Gels Based on Triblock Terpolymers. Macromolecules, 2021, 54, 1943-1960.	2.2	24
8	3D Printed Porous Methacrylate/Silica Hybrid Scaffold for Bone Substitution. Advanced Healthcare Materials, 2021, 10, e2100117.	3.9	16
9	How does the hydrophobic content of methacrylate ABA triblock copolymers affect polymersome formation?. Journal of Polymer Science, 2021, 59, 1724-1731.	2.0	3
10	Preâ€clinical and clinical applications of thermoreversible hydrogels in biomedical engineering: a review. Polymer International, 2021, 70, 1433-1448.	1.6	28
11	PEG-Based Methacrylate Tetrablock Terpolymers: How Does the Architecture Control the Gelation?. Macromolecules, 2021, 54, 6511-6524.	2.2	6
12	Ethyl methacrylate diblock copolymers as polymeric surfactants: Effect of molar mass and composition. European Polymer Journal, 2021, 154, 110537.	2.6	3
13	Homopolymer and ABC Triblock Copolymer Mixtures for Thermoresponsive Gel Formulations. Gels, 2021, 7, 116.	2.1	4
14	A library of thermoresponsive <scp>PEG</scp>â€based methacrylate homopolymers: How do the molar mass and number of ethylene glycol groups affect the cloud point?. Journal of Polymer Science, 2021, 59, 230-239.	2.0	34
15	Enzyme degradable star polymethacrylate/silica hybrid inks for 3D printing of tissue scaffolds. Materials Advances, 2020, 1, 3189-3199.	2.6	9
16	Tricomponent thermoresponsive polymers based on an amine-containing monomer with tuneable hydrophobicity: Effect of composition. European Polymer Journal, 2020, 130, 109655.	2.6	12
17	Approaches to treating tuberculosis by encapsulating metal ions and anti-mycobacterial drugs utilizing nano- and microparticle technologies. Emerging Topics in Life Sciences, 2020, 4, 581-600.	1.1	11
18	Effect of block copolymer architecture and composition on gold nanoparticle fabrication. Polymer Chemistry, 2019, 10, 4637-4642.	1.9	5

#	Article	IF	Citations
19	Open vessel free radical photopolymerization of double network gels for biomaterial applications using glucose oxidase. Journal of Materials Chemistry B, 2019, 7, 4030-4039.	2.9	7
20	Fabrication of tailorable pH responsive cationic amphiphilic microgels on a microfluidic device for drug release. Journal of Polymer Science Part A, 2018, 56, 59-66.	2.5	20
21	Thermoresponsive Tetrablock Terpolymers: Effect of Architecture and Composition on Gelling Behavior. Macromolecules, 2018, 51, 7019-7031.	2.2	29
22	Multimetallic Microparticles Increase the Potency of Rifampicin against Intracellular Mycobacterium tuberculosis. ACS Nano, 2018, 12, 5228-5240.	7.3	53
23	Scalable syntheses of well-defined pentadecablock bipolymer and quintopolymer. Polymer Chemistry, 2018, 9, 3450-3454.	1.9	21
24	Biodegradable inorganic-organic hybrids of methacrylate star polymers for bone regeneration. Acta Biomaterialia, 2017, 54, 411-418.	4.1	24
25	Effect of Comonomers on Physical Properties and Cell Attachment to Silicaâ€Methacrylate/Acrylate Hybrids for Bone Substitution. Macromolecular Rapid Communications, 2017, 38, 1700168.	2.0	9
26	Scalable High-Affinity Stabilization of Magnetic Iron Oxide Nanostructures by a Biocompatible Antifouling Homopolymer. ACS Applied Materials & Interfaces, 2017, 9, 40059-40069.	4.0	19
27	A Comprehensive Systematic Study on Thermoresponsive Gels: Beyond the Common Architectures of Linear Terpolymers. Polymers, 2017, 9, 31.	2.0	23
28	Tailoring Mechanical Properties of Solâ€“Gel Hybrids for Bone Regeneration through Polymer Structure. Chemistry of Materials, 2016, 28, 6127-6135.	3.2	46
29	Autonomous self-healing structural composites with bio-inspired design. Scientific Reports, 2016, 6, 25059.	1.6	50
30	Thermoresponsive gels based on ABC triblock copolymers: effect of the length of the PEG side group. Polymer Chemistry, 2016, 7, 2045-2056.	1.9	33
31	Tuning the gelation of thermoresponsive gels. European Polymer Journal, 2016, 78, 366-375.	2.6	45
32	Microfluidically fabricated pH-responsive anionic amphiphilic microgels for drug release. Journal of Materials Chemistry B, 2016, 4, 3086-3093.	2.9	17
33	Toward Hybrid Materials: Group Transfer Polymerization of 3â€(Trimethoxysilyl)propyl Methacrylate. Macromolecular Rapid Communications, 2015, 36, 1806-1809.	2.0	13
34	Tailoring pH-responsive acrylic acid microgels with hydrophobic crosslinks for drug release. Journal of Materials Chemistry B, 2015, 3, 4524-4529.	2.9	16
35	ABC Triblock Copolymer Micelles: Spherical Versus Worm-Like Micelles Depending on the Preparation Method. Macromolecular Rapid Communications, 2015, 36, 528-532.	2.0	19
36	Tailoring the optical properties of poly(3-hexylthiophene) by emulsion processing using polymeric macrosurfactants. Journal of Materials Chemistry C, 2015, 3, 2065-2071.	2.7	10

#	Article	IF	Citations
37	Well-defined â€œclickableâ€•copolymers prepared via one-pot synthesis. Chemical Communications, 2014, 50, 7114-7116.	2.2	8
38	Star polymers for gene delivery. Polymer International, 2014, 63, 1130-1133.	1.6	45
39	Novel â€œcore-firstâ€•star-based quasi-model amphiphilic polymer networks. RSC Advances, 2013, 3, 19070.	1.7	17
40	Thermoresponsive gels based on ABA triblock copolymers: Does the asymmetry matter?. Journal of Polymer Science Part A, 2013, 51, 2850-2859.	2.5	43
41	Multicompartment thermoresponsive gels: does the length of the hydrophobic side group matter?. Polymer Chemistry, 2013, 4, 1893.	1.9	52
42	Polymeric theranostics: using polymer-based systems for simultaneous imaging and therapy. Journal of Materials Chemistry B, 2013, 1, 3002.	2.9	121
43	Water-in-Water Emulsions Based on Incompatible Polymers and Stabilized by Triblock Copolymersâ€“Templated Polymersomes. Langmuir, 2013, 29, 14804-14814.	1.6	68
44	Thermoresponsive triblock copolymers based on methacrylate monomers: effect of molecular weight and composition. Soft Matter, 2012, 8, 2737.	1.2	66
45	Cationic star polymer siRNA transfectants interconnected with a piperazine-based cationic cross-linker. European Polymer Journal, 2012, 48, 1422-1430.	2.6	15
46	Thermoresponsive Polymers for Biomedical Applications. Polymers, 2011, 3, 1215-1242.	2.0	945
47	Thermoresponsive terpolymers based on methacrylate monomers: Effect of architecture and composition. Journal of Polymer Science Part A, 2010, 48, 775-783.	2.5	84
48	â€œComb-likeâ€•non-ionic polymeric macrosurfactants. Soft Matter, 2010, 6, 2321.	1.2	43
49	Multi-Functional Conetworks Based on Cross-Linked Star Polymers. Macromolecular Symposia, 2010, 291-292, 36-42.	0.4	8
50	Anionic amphiphilic endâ€linked conetworks by the combination of quasiliving carbocationic and group transfer polymerizations. Journal of Polymer Science Part A, 2009, 47, 4289-4301.	2.5	63
51	Structural Characterization of Glassy and Rubbery Model Anionic Amphiphilic Polymer Conetworks. ACS Symposium Series, 2008, , 286-302.	0.5	2
52	Synthesis, Characterization, and DNA Adsorption Studies of Ampholytic Model Conetworks Based on Cross-Linked Star Copolymers. Biomacromolecules, 2008, 9, 574-582.	2.6	49
53	Synthesis and Characterization of Anionic Amphiphilic Model Conetworks of 2-Butyl-1-Octyl-Methacrylate and Methacrylic Acid:â€‰ Effects of Polymer Composition and Architecture. Langmuir, 2007, 23, 10746-10755.	1.6	74
54	Amphiphilic Model Conetworks of Polyisobutylene Methacrylate and 2-(Dimethylamino)ethyl Methacrylate Prepared by the Combination of Quasiliving Carbocationic and Group Transfer Polymerizations. Macromolecules, 2007, 40, 2335-2343.	2.2	74

#	Article	IF	Citations
55	Synthesis and Characterization of Anionic Amphiphilic Model Conetworks Based on Methacrylic Acid and Methyl Methacrylate:Â Effects of Composition and Architecture. Macromolecules, 2007, 40, 2192-2200.	2.2	84
56	Three different types of quasi-model networks: synthesis by group transfer polymerization and characterization. Polymer Bulletin, 2007, 58, 185-190.	1.7	32
57	Synthesis, Characterization, and Modeling of Double-Hydrophobic Model Networks Based on Cross-Linked Star Copolymers ofn-Butyl Methacrylate and Methyl Methacrylate. Macromolecules, 2006, 39, 1560-1568.	2.2	34
58	Amphiphilic Model Conetworks Based on Cross-Linked Star Copolymers of Benzyl Methacrylate and 2-(Dimethylamino)ethyl Methacrylate:Â Synthesis, Characterization, and DNA Adsorption Studies. Biomacromolecules, 2006, 7, 3396-3405.	2.6	66
59	Synthesis, Characterization, and Evaluation as Transfection Reagents of Ampholytic Star Copolymers:Â Effect of Star Architecture. Biomacromolecules, 2006, 7, 3505-3512.	2.6	79
60	Microphase separation in ABA triblock copolymer-based model conetworks in the bulk: Effect of loop formation. Polymer, 2006, 47, 5182-5186.	1.8	19
61	Synthesis and Characterization of Three-Component Polyelectrolytic Amphiphilic Model Networks. Macromolecular Symposia, 2005, 227, 135-142.	0.4	8
62	Synthesis, Characterization, and Evaluation as Transfection Reagents of Double-Hydrophilic Star Copolymers:Â Effect of Star Architecture. Biomacromolecules, 2005, 6, 2990-2997.	2.6	97
63	Microphase separation under constraints: a molecular thermodynamic theory for polyelectrolytic amphiphilic model networks in water. Polymer, 2004, 45, 7341-7355.	1.8	47
64	Nanoscopic Cationic Methacrylate Star Homopolymers:Â Synthesis by Group Transfer Polymerization, Characterization and Evaluation as Transfection Reagents. Biomacromolecules, 2004, 5, 2221-2229.	2.6	129
65	Binding of Sodium Dodecyl Sulfate to Linear and Star Homopolymers of the Nonionic Poly(methoxyhexa(ethylene glycol) methacrylate) and the Polycation Poly(2-(dimethylamino)ethyl) Tj ETQq1 1 0.784314 rgBT /Overlock Small-Angle Neutron Scattering Measurements. Langmuir, 2004, 20, 6458-6469.	1.6	20
66	Cationic Double-Hydrophilic Model Networks:â€‰ Synthesis, Characterization, Modeling and Protein Adsorption Studies. Biomacromolecules, 2003, 4, 1150-1160.	2.6	36
67	Covalent amphiphilic polymer networks. Current Opinion in Colloid and Interface Science, 2003, 8, 76-85.	3.4	191