

Theoni K Georgiou

List of Publications by Year in descending order

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3,282
citations

172386

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74
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74
docs citations

74
times ranked

3719
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoresponsive Polymers for Biomedical Applications. <i>Polymers</i> , 2011, 3, 1215-1242.	2.0	945
2	Covalent amphiphilic polymer networks. <i>Current Opinion in Colloid and Interface Science</i> , 2003, 8, 76-85.	3.4	191
3	Nanoscope Cationic Methacrylate Star Homopolymers: Synthesis by Group Transfer Polymerization, Characterization and Evaluation as Transfection Reagents. <i>Biomacromolecules</i> , 2004, 5, 2221-2229.	2.6	129
4	Polymeric theranostics: using polymer-based systems for simultaneous imaging and therapy. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3002.	2.9	121
5	Synthesis, Characterization, and Evaluation as Transfection Reagents of Double-Hydrophilic Star Copolymers: Effect of Star Architecture. <i>Biomacromolecules</i> , 2005, 6, 2990-2997.	2.6	97
6	Synthesis and Characterization of Anionic Amphiphilic Model Conetworks Based on Methacrylic Acid and Methyl Methacrylate: Effects of Composition and Architecture. <i>Macromolecules</i> , 2007, 40, 2192-2200.	2.2	84
7	Thermoresponsive terpolymers based on methacrylate monomers: Effect of architecture and composition. <i>Journal of Polymer Science Part A</i> , 2010, 48, 775-783.	2.5	84
8	Synthesis, Characterization, and Evaluation as Transfection Reagents of Ampholytic Star Copolymers: Effect of Star Architecture. <i>Biomacromolecules</i> , 2006, 7, 3505-3512.	2.6	79
9	Synthesis and Characterization of Anionic Amphiphilic Model Conetworks of 2-Butyl-1-Octyl-Methacrylate and Methacrylic Acid: Effects of Polymer Composition and Architecture. <i>Langmuir</i> , 2007, 23, 10746-10755.	1.6	74
10	Amphiphilic Model Conetworks of Polyisobutylene Methacrylate and 2-(Dimethylamino)ethyl Methacrylate Prepared by the Combination of Quasiliving Carbocationic and Group Transfer Polymerizations. <i>Macromolecules</i> , 2007, 40, 2335-2343.	2.2	74
11	Water-in-Water Emulsions Based on Incompatible Polymers and Stabilized by Triblock Copolymers Templated Polymersomes. <i>Langmuir</i> , 2013, 29, 14804-14814.	1.6	68
12	Amphiphilic Model Conetworks Based on Cross-Linked Star Copolymers of Benzyl Methacrylate and 2-(Dimethylamino)ethyl Methacrylate: Synthesis, Characterization, and DNA Adsorption Studies. <i>Biomacromolecules</i> , 2006, 7, 3396-3405.	2.6	66
13	Thermoresponsive triblock copolymers based on methacrylate monomers: effect of molecular weight and composition. <i>Soft Matter</i> , 2012, 8, 2737.	1.2	66
14	Anionic amphiphilic end-linked conetworks by the combination of quasiliving carbocationic and group transfer polymerizations. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4289-4301.	2.5	63
15	Multimetallic Microparticles Increase the Potency of Rifampicin against Intracellular <i>Mycobacterium tuberculosis</i> . <i>ACS Nano</i> , 2018, 12, 5228-5240.	7.3	53
16	Multicompartment thermoresponsive gels: does the length of the hydrophobic side group matter?. <i>Polymer Chemistry</i> , 2013, 4, 1893.	1.9	52
17	Autonomous self-healing structural composites with bio-inspired design. <i>Scientific Reports</i> , 2016, 6, 25059.	1.6	50
18	Synthesis, Characterization, and DNA Adsorption Studies of Ampholytic Model Conetworks Based on Cross-Linked Star Copolymers. <i>Biomacromolecules</i> , 2008, 9, 574-582.	2.6	49

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19	Microphase separation under constraints: a molecular thermodynamic theory for polyelectrolytic amphiphilic model networks in water. <i>Polymer</i> , 2004, 45, 7341-7355.	1.8	47
20	Tailoring Mechanical Properties of Sol-Gel Hybrids for Bone Regeneration through Polymer Structure. <i>Chemistry of Materials</i> , 2016, 28, 6127-6135.	3.2	46
21	Star polymers for gene delivery. <i>Polymer International</i> , 2014, 63, 1130-1133.	1.6	45
22	Tuning the gelation of thermoresponsive gels. <i>European Polymer Journal</i> , 2016, 78, 366-375.	2.6	45
23	Comb-like non-ionic polymeric macrosurfactants. <i>Soft Matter</i> , 2010, 6, 2321.	1.2	43
24	Thermoresponsive gels based on ABA triblock copolymers: Does the asymmetry matter?. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2850-2859.	2.5	43
25	Cationic Double-Hydrophilic Model Networks: Synthesis, Characterization, Modeling and Protein Adsorption Studies. <i>Biomacromolecules</i> , 2003, 4, 1150-1160.	2.6	36
26	Synthesis, Characterization, and Modeling of Double-Hydrophobic Model Networks Based on Cross-Linked Star Copolymers of n-Butyl Methacrylate and Methyl Methacrylate. <i>Macromolecules</i> , 2006, 39, 1560-1568.	2.2	34
27	A library of thermoresponsive PEG-based methacrylate homopolymers: How do the molar mass and number of ethylene glycol groups affect the cloud point?. <i>Journal of Polymer Science</i> , 2021, 59, 230-239.	2.0	34
28	Thermoresponsive gels based on ABC triblock copolymers: effect of the length of the PEG side group. <i>Polymer Chemistry</i> , 2016, 7, 2045-2056.	1.9	33
29	Three different types of quasi-model networks: synthesis by group transfer polymerization and characterization. <i>Polymer Bulletin</i> , 2007, 58, 185-190.	1.7	32
30	Thermoresponsive Tetrablock Terpolymers: Effect of Architecture and Composition on Gelling Behavior. <i>Macromolecules</i> , 2018, 51, 7019-7031.	2.2	29
31	Pre-clinical and clinical applications of thermoreversible hydrogels in biomedical engineering: a review. <i>Polymer International</i> , 2021, 70, 1433-1448.	1.6	28
32	Biodegradable inorganic-organic hybrids of methacrylate star polymers for bone regeneration. <i>Acta Biomaterialia</i> , 2017, 54, 411-418.	4.1	24
33	Tuning the Gelation of Thermoresponsive Gels Based on Triblock Terpolymers. <i>Macromolecules</i> , 2021, 54, 1943-1960.	2.2	24
34	A Comprehensive Systematic Study on Thermoresponsive Gels: Beyond the Common Architectures of Linear Terpolymers. <i>Polymers</i> , 2017, 9, 31.	2.0	23
35	Scalable syntheses of well-defined pentadecablock bipolymer and quinquopolymer. <i>Polymer Chemistry</i> , 2018, 9, 3450-3454.	1.9	21
36	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 ETQqO O O rgBT /Overlock 10 Tf 50 Small-Angle Neutron Scattering Measurements. <i>Langmuir</i> , 2004, 20, 6458-6469.	1.6	20

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37	Fabrication of tailorable pH responsive cationic amphiphilic microgels on a microfluidic device for drug release. <i>Journal of Polymer Science Part A</i> , 2018, 56, 59-66.	2.5	20
38	Microphase separation in ABA triblock copolymer-based model conetworks in the bulk: Effect of loop formation. <i>Polymer</i> , 2006, 47, 5182-5186.	1.8	19
39	ABC Triblock Copolymer Micelles: Spherical Versus Worm-Like Micelles Depending on the Preparation Method. <i>Macromolecular Rapid Communications</i> , 2015, 36, 528-532.	2.0	19
40	Scalable High-Affinity Stabilization of Magnetic Iron Oxide Nanostructures by a Biocompatible Antifouling Homopolymer. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40059-40069.	4.0	19
41	Novel "core-first" star-based quasi-model amphiphilic polymer networks. <i>RSC Advances</i> , 2013, 3, 19070.	1.7	17
42	Microfluidically fabricated pH-responsive anionic amphiphilic microgels for drug release. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3086-3093.	2.9	17
43	Tailoring pH-responsive acrylic acid microgels with hydrophobic crosslinks for drug release. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4524-4529.	2.9	16
44	3D Printed Porous Methacrylate/Silica Hybrid Scaffold for Bone Substitution. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100117.	3.9	16
45	Cationic star polymer siRNA transfectants interconnected with a piperazine-based cationic cross-linker. <i>European Polymer Journal</i> , 2012, 48, 1422-1430.	2.6	15
46	Toward Hybrid Materials: Group Transfer Polymerization of γ -(Trimethoxysilyl)propyl Methacrylate. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1806-1809.	2.0	13
47	Tricomponent thermoresponsive polymers based on an amine-containing monomer with tuneable hydrophobicity: Effect of composition. <i>European Polymer Journal</i> , 2020, 130, 109655.	2.6	12
48	Homo- and co-polymerisation of di(propylene glycol) methyl ether methacrylate " a new monomer. <i>Polymer Chemistry</i> , 2021, 12, 3522-3532.	1.9	11
49	Approaches to treating tuberculosis by encapsulating metal ions and anti-mycobacterial drugs utilizing nano- and microparticle technologies. <i>Emerging Topics in Life Sciences</i> , 2020, 4, 581-600.	1.1	11
50	Tailoring the optical properties of poly(3-hexylthiophene) by emulsion processing using polymeric macrosurfactants. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2065-2071.	2.7	10
51	Thermoresponsive oligo(ethylene glycol) methyl ether methacrylate based copolymers: composition and comonomer effect. <i>Polymer Chemistry</i> , 2022, 13, 2506-2518.	1.9	10
52	Effect of Comonomers on Physical Properties and Cell Attachment to Silica-Methacrylate/Acrylate Hybrids for Bone Substitution. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700168.	2.0	9
53	Enzyme degradable star polymethacrylate/silica hybrid inks for 3D printing of tissue scaffolds. <i>Materials Advances</i> , 2020, 1, 3189-3199.	2.6	9
54	Investigation of the Thermogelation of a Promising Biocompatible ABC Triblock Terpolymer and Its Comparison with Pluronic F127. <i>Macromolecules</i> , 2022, 55, 1783-1799.	2.2	9

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55	Synthesis and Characterization of Three-Component Polyelectrolytic Amphiphilic Model Networks. <i>Macromolecular Symposia</i> , 2005, 227, 135-142.	0.4	8
56	Multi-Functional Conetworks Based on Cross-Linked Star Polymers. <i>Macromolecular Symposia</i> , 2010, 291-292, 36-42.	0.4	8
57	Well-defined clickable copolymers prepared via one-pot synthesis. <i>Chemical Communications</i> , 2014, 50, 7114-7116.	2.2	8
58	Liquid-liquid phase separation in aqueous solutions of poly(ethylene glycol) methacrylate homopolymers. <i>Journal of Polymer Science</i> , 2022, 60, 188-198.	2.0	8
59	Open vessel free radical photopolymerization of double network gels for biomaterial applications using glucose oxidase. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4030-4039.	2.9	7
60	PEG-Based Methacrylate Tetrablock Terpolymers: How Does the Architecture Control the Gelation?. <i>Macromolecules</i> , 2021, 54, 6511-6524.	2.2	6
61	Next generation strategy for tuning the thermoresponsive properties of micellar and hydrogel drug delivery vehicles using ionic liquids. <i>Polymer Chemistry</i> , 2022, 13, 2340-2350.	1.9	6
62	Effect of block copolymer architecture and composition on gold nanoparticle fabrication. <i>Polymer Chemistry</i> , 2019, 10, 4637-4642.	1.9	5
63	Homopolymer and ABC Triblock Copolymer Mixtures for Thermoresponsive Gel Formulations. <i>Gels</i> , 2021, 7, 116.	2.1	4
64	How does the hydrophobic content of methacrylate ABA triblock copolymers affect polymersome formation?. <i>Journal of Polymer Science</i> , 2021, 59, 1724-1731.	2.0	3
65	Ethyl methacrylate diblock copolymers as polymeric surfactants: Effect of molar mass and composition. <i>European Polymer Journal</i> , 2021, 154, 110537.	2.6	3
66	Effect of Polymer Molecular Mass and Structure on the Mechanical Properties of Polymer-Glass Hybrids. <i>ACS Omega</i> , 2022, 7, 786-792.	1.6	3
67	Structural Characterization of Glassy and Rubbery Model Anionic Amphiphilic Polymer Conetworks. <i>ACS Symposium Series</i> , 2008, , 286-302.	0.5	2