Joanna Pietrasik

List of Publications by Year in descending order

74 papers	4,126 citations	186265 28 h-index	110387 64 g-index
77 all docs	77 docs citations	77 times ranked	4365 citing authors

#	Article	IF	Citations
1	Thermally Degradable Poly(n-butyl acrylate) Model Networks Prepared by PhotoATRP and Radical Trap-Assisted Atom Transfer Radical Coupling. Polymers, 2022, 14, 713.	4.5	0
2	Stimuli-responsive vitamin E-based micelles: Effective drug carriers with a controlled anticancer drug release. Polymer, 2022, 253, 125001.	3.8	4
3	Chitosan-based biomaterials for the treatment of bone disorders. International Journal of Biological Macromolecules, 2022, 215, 346-367.	7.5	18
4	Star polymerâ€“TiO₂ nanohybrids to effectively modify the surface of PMMA dielectric layers for solution processable OFETs. Journal of Materials Chemistry C, 2021, 9, 1269-1278.	5.5	16
5	Impact of ionic liquids on the processing and photo-actuation behavior of SBR composites containing graphene nanoplatelets. Sensors and Actuators B: Chemical, 2021, 329, 129195.	7.8	12
6	Polyacrylamide brushes with varied morphologies as a tool for control of the intermolecular interactions within EPDM/MVQ blends. Polymer, 2021, 215, 123387.	3.8	4
7	Recent developments in natural and synthetic polymeric drug delivery systems used for the treatment of osteoarthritis. Acta Biomaterialia, 2021, 123, 31-50.	8.3	66
8	Effective SERS materials by loading Ag nanoparticles into poly(acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (acid-stat-acrylamide	3.8	6
9	Molecular bottlebrush with pH-responsive cleavable bonds as a unimolecular vehicle for anticancer drug delivery. Materials Science and Engineering C, 2021, 130, 112439.	7.3	18
10	One-Pot Strategy for the Preparation of Electrically Conductive Composites Using Simultaneous Reduction and Grafting of Graphene Oxide via Atom Transfer Radical Polymerization. Macromolecules, 2021, 54, 10177-10188.	4.8	2
11	Smart TPE Materials Based on Recycled Rubber Shred. Materials, 2021, 14, 6237.	2.9	5
12	Macroscopic and microscopic shape memory effects of block copolymers prepared via ATRP. Journal of Polymer Science, 2020, 58, 20-24.	3.8	4
13	Synthesis of Ultra-high Molecular Weight SiO2-g-PMMA Particle Brushes. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 174-181.	3.7	9
14	The effect of short polystyrene brushes grafted from graphene oxide on the behavior of miscible PMMA/SAN blends. Polymer, 2020, 211, 123088.	3.8	9
15	Chemical Modification of Cellulose Microfibres to Reinforce Poly(methyl methacrylate) Used for Dental Application. Materials, 2020, 13, 3807.	2.9	11
16	Influence different amount of cellulose on the mechanical strength of dental acrylic resin. IOP Conference Series: Materials Science and Engineering, 2020, 743, 012044.	0.6	4
17	Tunable Assembly of Block Copolymer Tethered Particle Brushes by Surface-Initiated Atom Transfer Radical Polymerization. ACS Macro Letters, 2020, 9, 806-812.	4.8	17
18	Renewable Fabric Surface-Initiated ATRP Polymerizations: Towards Mixed Polymer Brushes. Nanomaterials, 2020, 10, 536.	4.1	2

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19	Effect of Structure of Polymers Grafted from Graphene Oxide on the Compatibility of Particles with a Silicone-Based Environment and the Stimuli-Responsive Capabilities of Their Composites. Nanomaterials, 2020, 10, 591.	4.1	13
20	Para-sulfonatocalix[n]arene-based biomaterials: Recent progress in pharmaceutical and biological applications. European Journal of Medicinal Chemistry, 2020, 190, 112121.	5.5	29
21	Macroscopic and microscopic shape memory effects of block copolymers prepared via ATRP. Journal of Polymer Science, 2020, 58, 20-24.	3.8	0
22	Evolution of Morphology of POEGMAâ€bâ€PBzMA Nanoâ€Objects Formed by PISA. Macromolecular Rapid Communications, 2019, 40, e1800331.	3.9	13
23	New type of montmorillonite compatibilizers and their influence on viscoelastic properties of ethylene propylene diene and methyl vinyl silicone rubbers blends. Applied Clay Science, 2019, 183, 105359.	5.2	16
24	Versatile PISA templates for tailored synthesis of nanoparticles. European Polymer Journal, 2019, 110, 49-55.	5.4	18
25	ZnO/carbon hybrids derived from polymer nanocomposite precursor materials for pseudocapacitor electrodes with high cycling stability. Polymer, 2018, 137, 370-377.	3.8	29
26	Structure of block copolymer grafted silica nanoparticles. Polymer, 2018, 159, 138-145.	3.8	12
27	Macromolecular Templates for Synthesis of Inorganic Nanoparticles. ACS Symposium Series, 2018, , 169-200.	0.5	4
28	Toughening PMMA with fillers containing polymer brushes synthesized via atom transfer radical polymerization (ATRP). Polymer, 2017, 117, 48-53.	3.8	29
29	Synthesis and characterization of Ag NPs templated via polymerization induced self-assembly. Polymer, 2017, 129, 144-150.	3.8	25
30	Photocatalytic Active Mesoporous Carbon/ZnO Hybrid Materials from Block Copolymer Tethered ZnO Nanocrystals. Langmuir, 2017, 33, 12276-12284.	3.5	22
31	Growth of polymer brushes by â€œgrafting fromâ€•via ATRP â€“ Monte Carlo simulations. Polymer, 2017, 130, 267-279.	3.8	27
32	Effect of Zinc Oxide Modified Silica Particles on the Molecular Dynamics of Carboxylated Acrylonitrile-Butadiene Rubber Composites. Polymers, 2017, 9, 645.	4.5	14
33	Preparation of titania nanoparticles with tunable anisotropy and branched structures from coreâ€“shell molecular bottlebrushes. Polymer, 2016, 98, 481-486.	3.8	32
34	Facile Arm-First Synthesis of Star Block Copolymers via ARGET ATRP with ppm Amounts of Catalyst. Macromolecules, 2016, 49, 6752-6760.	4.8	41
35	Preparation of ZnO hybrid nanoparticles by ATRP. Polymer, 2016, 107, 492-502.	3.8	30
36	Gradient Poly(styrene-co-polyglycidol) Grafts via Silicon Surface-Initiated AGET ATRP. Langmuir, 2015, 31, 4853-4861.	3.5	8

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37	Matrix-free Particle Brush System with Bimodal Molecular Weight Distribution Prepared by SI-ATRP. Macromolecules, 2015, 48, 8208-8218.	4.8	63
38	Synthesis of hydroxyapatite particles with in situ immobilized ATRPÂinitiator. Polymer, 2015, 72, 348-355.	3.8	9
39	Straightforward RAFT Procedure for the Synthesis of Heterotelechelic Poly(acrylamide)s. Macromolecular Rapid Communications, 2014, 35, 405-411.	3.9	12
40	Surface-Initiated Polymerization as an Enabling Tool for Multifunctional (Nano-)Engineered Hybrid Materials. Chemistry of Materials, 2014, 26, 745-762.	6.7	333
41	Effect of Polymer-Graft Modification on the Order Formation in Particle Assembly Structures. Langmuir, 2013, 29, 6452-6459.	3.5	92
42	Preparation of Polymeric Nanoscale Networks from Cylindrical Molecular Bottlebrushes. ACS Nano, 2012, 6, 6208-6214.	14.6	86
43	Toughening fragile matter: mechanical properties of particle solids assembled from polymer-grafted hybrid particles synthesized by ATRP. Soft Matter, 2012, 8, 4072.	2.7	160
44	Focusing bond tension in bottle-brush macromolecules during spreading. Journal of Materials Chemistry, 2011, 21, 8448.	6.7	28
45	Structure of Polymer Tethered Highly Grafted Nanoparticles. Macromolecules, 2011, 44, 8129-8135.	4.8	69
46	Novel Nanoporous Carbons from Well-Defined Poly(styrene-co-acrylonitrile)-Grafted Silica Nanoparticles. Chemistry of Materials, 2011, 23, 2024-2026.	6.7	46
47	Nanoporous Polystyrene and Carbon Materials with Coreâ€“Shell Nanosphere-Interconnected Network Structure. Macromolecules, 2011, 44, 5846-5849.	4.8	84
48	Silicaâ€Polymethacrylate Hybrid Particles Synthesized Using Highâ€Pressure Atom Transfer Radical Polymerization. Macromolecular Rapid Communications, 2011, 32, 295-301.	3.9	67
49	Synthesis of high molecular weight polystyrene using AGET ATRP under high pressure. European Polymer Journal, 2011, 47, 730-734.	5.4	70
50	Effect of chain topology on the self-organization and the mechanical properties of poly(n-butyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	3.8	30
51	Superhydrophilic Surfaces via Polymerâ^'SiO₂ Nanocomposites. Langmuir, 2010, 26, 15567-15573.	3.5	97
52	Stimuli-responsive molecular brushes. Progress in Polymer Science, 2010, 35, 24-44.	24.7	600
53	Synthesis of basic molecular brushes: ATRP of 4-vinylpyridine in organic media. European Polymer Journal, 2010, 46, 2333-2340.	5.4	17
54	Linear Viscoelasticity of Spherical SiO2Nanoparticle-Tethered Poly(butyl acrylate) Hybrids. Industrial & Engineering Chemistry Research, 2010, 49, 11985-11990.	3.7	18

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55	Studies of molecular dynamics of carboxylated acrylonitrile-butadiene rubber composites containing in situ synthesized silica particles. European Polymer Journal, 2009, 45, 3317-3325.	5.4	20
56	Linear Viscoelasticity of Polymer Tethered Highly Grafted Nanoparticles. ACS Symposium Series, 2009, , 257-267.	0.5	4
57	The effect of structure on the thermoresponsive nature of wellâ€defined poly(oligo(ethylene oxide)) Tj ETQq1 1 0.784314 rgBT /Over	2.3	105
58	High Molecular Weight Polymethacrylates by AGET ATRP under High Pressure. Macromolecules, 2008, 41, 1067-1069.	4.8	138
59	Temperature- and pH-Responsive Dense Copolymer Brushes Prepared by ATRP. Macromolecules, 2008, 41, 7013-7020.	4.8	165
60	Hydroxyapatite: An Environmentally Friendly Filler for Elastomers. Molecular Crystals and Liquid Crystals, 2008, 483, 172-178.	0.9	16
61	Intercalated Montmorillonites as Fillers for Acrylonitrile-Butadiene Rubber. Rubber Chemistry and Technology, 2007, 80, 279-295.	1.2	8
62	Grafting from Surfaces for â€œEveryoneâ€Â ARGET ATRP in the Presence of Air. Langmuir, 2007, 23, 4528-4531.	3.5	603
63	ATRP Synthesis of Thermally Responsive Molecular Brushes from Oligo(ethylene oxide) Methacrylates. Macromolecules, 2007, 40, 9348-9353.	4.8	129
64	Synthesis and In Situ Atomic Force Microscopy Characterization of Temperature-Responsive Hydrogels Based on Poly(2-(dimethylamino)ethyl methacrylate) Prepared by Atom Transfer Radical Polymerization. Langmuir, 2007, 23, 241-249.	3.5	46
65	Solution Behavior of Temperature-Responsive Molecular Brushes Prepared by ATRP. Macromolecular Chemistry and Physics, 2007, 208, 30-36.	2.2	105
66	Structural mobility of molecular bottle-brushes investigated by NMR relaxation dynamics. Polymer, 2007, 48, 496-501.	3.8	35
67	Phototunable Temperature-Responsive Molecular Brushes Prepared by ATRP. Macromolecules, 2006, 39, 3914-3920.	4.8	145
68	Synthesis of High Molecular Weight Poly(styrene-co-acrylonitrile) Copolymers with Controlled Architecture. Macromolecules, 2006, 39, 6384-6390.	4.8	120
69	Sol-gel process of alkoxysilanes in an elastomer medium. Polymer International, 2005, 54, 1119-1125.	3.1	8
70	Controlling Polymer Chain Topology and Architecture by ATRP from Flat Surfaces. ACS Symposium Series, 2005, , 28-42.	0.5	10
71	Synthesis of silica in elastomer's matrix. Macromolecular Symposia, 2003, 194, 321-328.	0.7	1
72	Properties of carboxylated acrylonitrile/butadiene rubber containing in situ synthesized silica fillers. Polimery, 2002, 47, 643-648.	0.7	7

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73	Elastomers Containing Fillers with Magnetic Properties. Solid State Phenomena, 0, 154, 121-126.	0.3	5
74	Modification of Hydroxyapatite with Polymer Brushes. Materials Science Forum, 0, 714, 291-295.	0.3	1