

Devon A Shipp

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6563094/publications.pdf>

Version: 2024-02-01

74
papers

3,378
citations

136950

32
h-index

144013

57
g-index

75
all docs

75
docs citations

75
times ranked

2837
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilizing Halide Exchange To Improve Control of Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 1998, 31, 6836-6840.	4.8	360
2	Synthesis of Acrylate and Methacrylate Block Copolymers Using Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 1998, 31, 8005-8008.	4.8	336
3	Controlled/"Living" Atom Transfer Radical Polymerization of Methyl Methacrylate Using Various Initiation Systems. <i>Macromolecules</i> , 1998, 31, 1527-1534.	4.8	254
4	An Investigation into the CuX/2,2'-Bipyridine (X = Br or Cl) Mediated Atom Transfer Radical Polymerization of Acrylonitrile. <i>Macromolecules</i> , 1999, 32, 6431-6438.	4.8	185
5	Simple and effective one-pot synthesis of (meth)acrylic block copolymers through atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2000, 38, 2023-2031.	2.3	145
6	Kinetic Analysis of Controlled/"Living" Radical Polymerizations by Simulations. 1. The Importance of Diffusion-Controlled Reactions. <i>Macromolecules</i> , 1999, 32, 2948-2955.	4.8	110
7	Reversible-Deactivation Radical Polymerizations. <i>Polymer Reviews</i> , 2011, 51, 99-103.	10.9	97
8	Polymer-silicate nanocomposites produced by in situ atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2004, 42, 916-924.	2.3	83
9	Preparation of Poly(styrene-block-butyl acrylate) Block Copolymer/Silicate Nanocomposites. <i>Chemistry of Materials</i> , 2003, 15, 2693-2695.	6.7	79
10	Kinetic Analysis of Controlled/"Living" Radical Polymerizations by Simulations. 2. Apparent External Orders of Reactants in Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2000, 33, 1553-1559.	4.8	77
11	Polymer-layered silicate nanocomposites prepared through in situ reversible addition-fragmentation chain transfer (RAFT) polymerization. <i>Polymer</i> , 2005, 46, 8573-8581.	3.8	77
12	Synthesis of poly(methyl methacrylate)/silica nanocomposites using methacrylate-functionalized silica nanoparticles and RAFT polymerization. <i>Polymer</i> , 2008, 49, 5636-5642.	3.8	75
13	Nanopatterns of poly(styrene-block-butyl acrylate) block copolymer brushes on the surfaces of exfoliated and intercalated clay layers. <i>Polymer</i> , 2004, 45, 4473-4481.	3.8	70
14	Living Radical Polymerization: Controlling Molecular Size and Chemical Functionality in Vinyl Polymers. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 2005, 45, 171-194.	2.2	67
15	Anhydride-Based Reconfigurable Shape Memory Elastomers. <i>ACS Macro Letters</i> , 2016, 5, 203-207.	4.8	66
16	Role of 1,2,4-Triazole as a Passivating Agent for Cobalt during Post-Chemical Mechanical Planarization Cleaning. <i>Journal of the Electrochemical Society</i> , 2014, 161, C138-C144.	2.9	59
17	Swelling and degradation of hydrogels synthesized with degradable poly(β -amino ester) crosslinkers. <i>Polymer Chemistry</i> , 2010, 1, 860.	3.9	55
18	Periodic Titania Nanostructures Using Block Copolymer Templates. <i>ACS Nano</i> , 2011, 5, 450-456.	14.6	49

#	ARTICLE	IF	CITATIONS
19	Controlled/Living Radical Polymerization Applied to Water-Borne Systems. <i>Macromolecular Symposia</i> , 2000, 155, 15-29.	0.7	47
20	Water-Borne Block and Statistical Copolymers Synthesized Using Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2000, 33, 2296-2298.	4.8	47
21	Structure and melt rheology of polystyrene-based layered silicate nanocomposites. <i>Nanotechnology</i> , 2005, 16, S514-S521.	2.6	46
22	Free-Radical Intermediates in Atom Transfer Radical Addition and Polymerization: Study of Racemization, Halogen Exchange, and Trapping Reactions. <i>Macromolecules</i> , 2001, 34, 3127-3129.	4.8	45
23	Measurements of Primary Radical Concentrations Generated by Pulsed Laser Photolysis Using Fluorescence Detection. <i>Journal of Physical Chemistry A</i> , 1999, 103, 6580-6586.	2.5	44
24	Polymer Microspheres Prepared by Water-Borne Thiol-Ene Suspension Photopolymerization. <i>ACS Macro Letters</i> , 2012, 1, 1134-1137.	4.8	42
25	Functional polymer particles via thiol-ene and thiol-yne suspension click-polymerization. <i>RSC Advances</i> , 2015, 5, 66757-66766.	3.6	42
26	Elastomeric and degradable polyanhydride network polymers by step-growth thiol-ene photopolymerization. <i>Chemical Communications</i> , 2009, , 6415.	4.1	41
27	Synthesis of amphiphilic multiblock and triblock copolymers of polydimethylsiloxane and poly(N,N)-dimethylacrylamide. <i>Journal of Polymer Science Part A: Polymer Chemistry</i> , 2007, 45, 1073-1083.	2.3	38
28	Photopolymerized Cross-Linked Thiol-Ene Polyanhydrides: Erosion, Release, and Toxicity Studies. <i>Biomacromolecules</i> , 2014, 15, 2573-2582.	5.4	36
29	Force-Induced Near-Infrared Chromism of Mechanophore-Linked Polymers. <i>Journal of the American Chemical Society</i> , 2021, 143, 17337-17343.	13.7	36
30	Synthesis of poly(tert-butyl acrylate)-block-poly(vinyl acetate) copolymers by combining ATRP and RAFT polymerizations. <i>Journal of Polymer Science Part A: Polymer Chemistry</i> , 2008, 46, 7200-7206.	2.3	35
31	Polyanhydride Networks from Thiol-Ene Polymerizations. <i>Macromolecules</i> , 2010, 43, 10297-10303.	4.8	34
32	Determination of molecular weight distributions of novolac resins by gel permeation chromatography. <i>Journal of Polymer Science Part A</i> , 1997, 35, 1399-1407.	2.3	32
33	Recent Developments in Atom Transfer Radical Polymerization (ATRP): Methods to Reduce Metal Catalyst Concentrations. <i>ChemPhysChem</i> , 2012, 13, 3257-3261.	2.1	32
34	Suspension thiol-ene photopolymerization: Effect of stabilizing agents on particle size and stability. <i>Polymer</i> , 2014, 55, 1674-1680.	3.8	32
35	Evaluation of propagation rate constants for the free radical polymerization of methacrylonitrile by pulsed laser photolysis. <i>Macromolecular Rapid Communications</i> , 1995, 16, 837-844.	3.9	31
36	Radical Mediated Thiol-Ene Emulsion Polymerizations. <i>Macromolecules</i> , 2017, 50, 775-783.	4.8	26

#	ARTICLE	IF	CITATIONS
37	Uniform Sub-Micron Polymer Spheres Coated with Ag Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1774-1778.	3.9	25
38	Polyanhydrides: Synthesis, Properties, and Applications. <i>Australian Journal of Chemistry</i> , 2016, 69, 1223.	0.9	24
39	Kinetic analysis of styrene atom transfer radical polymerization: Extraction of radical-radical termination rate coefficients. <i>Journal of Polymer Science Part A</i> , 2004, 42, 5548-5558.	2.3	23
40	Grafting of polystyrene "from" and "through" surface modified titania nanoparticles. <i>Polymer Bulletin</i> , 2009, 62, 281-289.	3.3	22
41	Chain Length Dependence of Radical-Radical Termination in Free Radical Polymerization: A Pulsed Laser Photolysis Investigation. <i>Macromolecules</i> , 2003, 36, 2032-2040.	4.8	21
42	Synthesis and Characterization of PDMS, PVP, and PS Containing ABCBA Pentablock Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1482-1487.	2.2	21
43	Synthesis of statistical and block copolymers containing adamantyl and norbornyl moieties by reversible addition-fragmentation chain transfer polymerization. <i>Journal of Polymer Science Part A</i> , 2010, 48, 943-951.	2.3	21
44	Imprint Lithography with Degradable Elastomeric Polyanhydrides. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4457-4460.	8.0	20
45	Direct Measurement of Primary Radical Concentrations in Pulsed Laser Photolysis. <i>Macromolecules</i> , 1997, 30, 7627-7630.	4.8	19
46	RAFT Polymerization of Monomers with Highly Disparate Reactivities: Use of a Single RAFT Agent and the Synthesis of Poly(styrene-block-vinyl acetate). <i>Australian Journal of Chemistry</i> , 2013, 66, 1564.	0.9	18
47	Surface Eroding, Semicrystalline Polyanhydrides via Thiol-Ene Click-Photopolymerization. <i>Biomacromolecules</i> , 2015, 16, 1650-1659.	5.4	18
48	Radical mediated thiol-ene/yne dispersion polymerizations. <i>Polymer</i> , 2016, 105, 180-186.	3.8	17
49	Reaction-diffusion degradation model for delayed erosion of cross-linked polyanhydride biomaterials. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13215-13222.	2.8	16
50	Suspension click-polymerizations: thiol-ene polymer particles prepared with natural gum stabilizers. <i>Colloid and Polymer Science</i> , 2015, 293, 2385-2394.	2.1	15
51	Polyanhydride nanoparticles by click™ thiol-ene polymerization. <i>Polymer Chemistry</i> , 2015, 6, 5464-5469.	3.9	15
52	Benzotriazole as a passivating agent during chemical mechanical planarization of Ni-P alloy substrates. <i>Applied Surface Science</i> , 2014, 315, 190-195.	6.1	14
53	RAFT Polymerization of Vinyl Acetate, Styrene and Acrylates Using <i>N,N</i> -Dithiocarbamates. <i>ACS Symposium Series</i> , 2009, , 37-47.	0.5	13
54	Mechanism of Titania Deposition into Cylindrical Poly(styrene- <i>block</i> -4 vinyl pyridine) Block Copolymer Templates. <i>Langmuir</i> , 2011, 27, 15206-15212.	3.5	11

#	ARTICLE	IF	CITATIONS
55	Raman Microspectroscopy Study of the Hydrolytic Degradation of Polyanhydride Network Polymers. <i>Langmuir</i> , 2019, 35, 6387-6392.	3.5	10
56	Kinetic Analysis of the Atom Transfer Radical Polymerization of Butyl Acrylate Mediated by Cu(I)Br/N,N,N',N'-Tetraethyl-2,2',2'',2'''-Pentamethyldiethylenetriamine. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 3268-3272.	2.0	9
57	Quantitative and qualitative toxicological evaluation of thiol-ene "click" chemistry-based polyanhydrides and their degradation products. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 1936-1945.	4.0	9
58	Poly(<i>N</i> -vinylpyrrolidone)- <i>b</i> -polydimethylsiloxane amphiphilic ABA triblock copolymers. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3387-3394.	2.3	9
59	Functionality in phenol-formaldehyde step-growth polymerization. <i>Polymer</i> , 1997, 38, 4229-4232.	3.8	8
60	Stoichiometric complexes of polyelectrolyte and azo-functionalized surfactant. <i>Colloid and Polymer Science</i> , 2008, 286, 739-745.	2.1	8
61	Dynamic covalent exchange in poly(thioether anhydrides). <i>Polymer Chemistry</i> , 2020, 11, 7551-7561.	3.9	8
62	Polymer Colloids from Step-Growth Thiol-X Polymerizations. <i>Polymer Reviews</i> , 2021, 61, 54-79.	10.9	7
63	Glycolipid-Containing Nanoparticle Vaccine Engages Invariant NKT Cells to Enhance Humoral Protection against Systemic Bacterial Infection but Abrogates T-Independent Vaccine Responses. <i>Journal of Immunology</i> , 2021, 206, 1806-1816.	0.8	7
64	Stepwise Gradient Copolymers of <i>n</i> -Butyl Acrylate and Isobornyl Acrylate by Emulsion RAFT Copolymerizations. <i>Macromolecules</i> , 2022, 55, 391-400.	4.8	7
65	Drug Delivery and Drug Efficacy from Amorphous Poly(thioether anhydrides). <i>Macromolecular Bioscience</i> , 2020, 20, e1900377.	4.1	6
66	Development of Post-CMP Cleaners for Better Defect Performance. <i>ECS Transactions</i> , 2012, 44, 565-571.	0.5	5
67	Polyanhydride Nanoparticles: Thiol-ene "Click" Polymerizations Provide Functionalized and Cross-Linkable Nanoparticles with Tuneable Degradation Times. <i>Australian Journal of Chemistry</i> , 2017, 70, 735.	0.9	5
68	Composite Particles From Pickering-Stabilized Radical Mediated Thiol-ene Suspension Polymerizations. <i>Macromolecular Reaction Engineering</i> , 2019, 13, 1800075.	1.5	5
69	Effect of polymer chain architecture on the aqueous solution properties of amphiphilic copolymers: A study of poly(<i>N</i> -vinylpyrrolidone-co-vinyl laurate). <i>Polymer</i> , 2018, 141, 54-61.	3.8	4
70	Poly(glycidyl methacrylate- <i>block</i> -styrene) for Photolithographically Patternable Resist Materials. <i>ACS Symposium Series</i> , 2012, , 115-125.	0.5	3
71	Thiol-ene polymerizations using imide-based monomers. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4637-4642.	2.3	2
72	Cellular Delivery of Hoechst 33342 Anticancer Drug from Crosslinked Poly(thioether anhydrides): A Cytotoxicity and Efficacy Study. <i>ACS Symposium Series</i> , 2020, , 63-77.	0.5	2

#	ARTICLE	IF	CITATIONS
73	Photodecarbonylation and photoinitiated polymerization from a monomer and polymer based on the α -keto ester methacryloyl phenylglyoxylate. <i>Polymer Chemistry</i> , 2011, 2, 1307.	3.9	1
74	Degradable Polymer Particles in Biomedical Applications. , 2012, , 175-194.		0