Devon A Shipp

List of Publications by Year
in descending order

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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	Stepwise Gradient Copolymers of n-Butyl Acrylate and Isobornyl Acrylate by Emulsion RAFT Copolymerizations. Macromolecules, 2022, 55, 391-400.	4.8	7
2	Polymer Colloids from Step-Growth Thiol-X Polymerizations. Polymer Reviews, 2021, 61, 54-79.	10.9	7
3	Glycolipid-Containing Nanoparticle Vaccine Engages Invariant NKT Cells to Enhance Humoral Protection against Systemic Bacterial Infection but Abrogates T-Independent Vaccine Responses. Journal of Immunology, 2021, 206, 1806-1816.	0.8	7
4	Force-Induced Near-Infrared Chromism of Mechanophore-Linked Polymers. Journal of the American Chemical Society, 2021, 143, 17337-17343.	13.7	36
5	Dynamic covalent exchange in poly(thioether anhydrides). Polymer Chemistry, 2020, 11, 7551-7561.	3.9	8
6	Cellular Delivery of Hoechst 33342 Anticancer Drug from Crosslinked Poly(thioether anhydrides): A Cytotoxicity and Efficacy Study. ACS Symposium Series, 2020, , 63-77.	0.5	2
7	Drug Delivery and Drug Efficacy from Amorphous Poly(thioether anhydrides). Macromolecular Bioscience, 2020, 20, e1900377.	4.1	6
8	Composite Particles From Pickeringâ€Stabilized Radical Mediated Thiolâ€Ene Suspension Polymerizations. Macromolecular Reaction Engineering, 2019, 13, 1800075.	1.5	5
9	Raman Microspectroscopy Study of the Hydrolytic Degradation of Polyanhydride Network Polymers. Langmuir, 2019, 35, 6387-6392.	3.5	10
10	Effect of polymer chain architecture on the aqueous solution properties of amphiphilic copolymers: A study of poly(N-vinylpyrrolidone-co-vinyl laurate). Polymer, 2018, 141, 54-61.	3.8	4
11	Polyanhydride Nanoparticles: Thiolâ€“Ene â€˜Clickâ€™ Polymerizations Provide Functionalized and Cross-Linkable Nanoparticles with Tuneable Degradation Times. Australian Journal of Chemistry, 2017, 70, 735.	0.9	5
12	Radical Mediated Thiol-Ene Emulsion Polymerizations. Macromolecules, 2017, 50, 775-783.	4.8	26
13	Poly(Nâ€vinylpyrrolidone)â€“polydimethylsiloxane amphiphilic ABA triblock copolymers. Journal of Polymer Science Part A, 2017, 55, 3387-3394.	2.3	9
14	Radical mediated thiol-ene/yne dispersion polymerizations. Polymer, 2016, 105, 180-186.	3.8	17
15	Quantitative and qualitative toxicological evaluation of thiol-ene â€œclickâ€•chemistry-based polyanhydrides and their degradation products. Journal of Biomedical Materials Research - Part A, 2016, 104, 1936-1945.	4.0	9
16	Polyanhydrides: Synthesis, Properties, and Applications. Australian Journal of Chemistry, 2016, 69, 1223.	0.9	24
17	Anhydride-Based Reconfigurable Shape Memory Elastomers. ACS Macro Letters, 2016, 5, 203-207.	4.8	66
18	Reaction-diffusion degradation model for delayed erosion of cross-linked polyanhydride biomaterials. Physical Chemistry Chemical Physics, 2015, 17, 13215-13222.	2.8	16

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19	Functional polymer particles via thiolâ€“ene and thiolâ€“yne suspension â€œclickâ€•polymerization. RSC Advances, 2015, 5, 66757-66766.	3.6	42
20	Suspension â€œclickâ€•polymerizations: thiol-ene polymer particles prepared with natural gum stabilizers. Colloid and Polymer Science, 2015, 293, 2385-2394.	2.1	15
21	Polyanhydride nanoparticles by â€˜clickâ€™ thiolâ€“ene polymerization. Polymer Chemistry, 2015, 6, 5464-5469.	3.9	15
22	Surface Eroding, Semicrystalline Polyanhydrides via Thiolâ€“Ene â€œClickâ€•Photopolymerization. Biomacromolecules, 2015, 16, 1650-1659.	5.4	18
23	Role of 1,2,4-Triazole as a Passivating Agent for Cobalt during Post-Chemical Mechanical Planarization Cleaning. Journal of the Electrochemical Society, 2014, 161, C138-C144.	2.9	59
24	Benzotriazole as a passivating agent during chemical mechanical planarization of Niâ€“P alloy substrates. Applied Surface Science, 2014, 315, 190-195.	6.1	14
25	Photopolymerized Cross-Linked Thiolâ€“Ene Polyanhydrides: Erosion, Release, and Toxicity Studies. Biomacromolecules, 2014, 15, 2573-2582.	5.4	36
26	Suspension thiol-ene photopolymerization: Effect of stabilizing agents on particle size and stability. Polymer, 2014, 55, 1674-1680.	3.8	32
27	Thiol-ene polymerizations using imide-based monomers. Journal of Polymer Science Part A, 2013, 51, 4637-4642.	2.3	2
28	RAFT Polymerization of Monomers with Highly Disparate Reactivities: Use of a Single RAFT Agent and the Synthesis of Poly(styrene-block-vinyl acetate). Australian Journal of Chemistry, 2013, 66, 1564.	0.9	18
29	Development of Post-CMP Cleaners for Better Defect Performance. ECS Transactions, 2012, 44, 565-571.	0.5	5
30	Polymer Microspheres Prepared by Water-Borne Thiolâ€“Ene Suspension Photopolymerization. ACS Macro Letters, 2012, 1, 1134-1137.	4.8	42
31	Imprint Lithography with Degradable Elastomeric Polyanhydrides. ACS Applied Materials & Interfaces, 2012, 4, 4457-4460.	8.0	20
32	Degradable Polymer Particles in Biomedical Applications. , 2012, , 175-194.		0
33	Poly(glycidyl methacrylate-block-styrene) for Photolithographically Patternable Resist Materials. ACS Symposium Series, 2012, , 115-125.	0.5	3
34	Recent Developments in Atom Transfer Radical Polymerization (ATRP): Methods to Reduce Metal Catalyst Concentrations. ChemPhysChem, 2012, 13, 3257-3261.	2.1	32
35	Photodecarbonylation and photoinitiated polymerization from a monomer and polymer based on the Î±-keto ester methacryloyl phenylglyoxylate. Polymer Chemistry, 2011, 2, 1307.	3.9	1
36	Mechanism of Titania Deposition into Cylindrical Poly(styrene-block-4 vinyl pyridine) Block Copolymer Templates. Langmuir, 2011, 27, 15206-15212.	3.5	11

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37	Periodic Titania Nanostructures Using Block Copolymer Templates. ACS Nano, 2011, 5, 450-456.	14.6	49
38	Reversible-Deactivation Radical Polymerizations. Polymer Reviews, 2011, 51, 99-103.	10.9	97
39	Synthesis and Characterization of PDMSâ€‐PVPâ€‐and PSâ€€Containing ABCBA Pentablock Copolymers. Macromolecular Chemistry and Physics, 2010, 211, 1482-1487.	2.2	21
40	Synthesis of statistical and block copolymers containing adamantyl and norbornyl moieties by reversible additionâ€fragmentation chain transfer polymerization. Journal of Polymer Science Part A, 2010, 48, 943-951.	2.3	21
41	Polyanhydride Networks from Thiolâ^'Ene Polymerizations. Macromolecules, 2010, 43, 10297-10303.	4.8	34
42	Swelling and degradation of hydrogels synthesized with degradable poly(Î²-amino ester) crosslinkers. Polymer Chemistry, 2010, 1, 860.	3.9	55
43	Grafting of polystyrene â€œfromâ€•and â€œthroughâ€•surface modified titania nanoparticles. Polymer Bulletin, 2009, 62, 281-289.	3.3	22
44	RAFT Polymerization of Vinyl Acetate, Styrene and Acrylates UsingN,N-Dithiocarbamates. ACS Symposium Series, 2009, , 37-47.	0.5	13
45	Elastomeric and degradable polyanhydride network polymers by step-growth thiolâ€“ene photopolymerization. Chemical Communications, 2009, , 6415.	4.1	41
46	Stoichiometric complexes of polyelectrolyte and azo-functionalized surfactant. Colloid and Polymer Science, 2008, 286, 739-745.	2.1	8
47	Synthesis of amphiphilic multiblock and triblock copolymers of polydimethylsiloxane and poly(N,N) Tj ETQq1 1 0.784314 rgBT /Overlo	2.3	38
48	Synthesis of poly(tert â€‐butyl acrylateâ€•block â€‐vinyl acetate) copolymers by combining ATRP and RAFT polymerizations. Journal of Polymer Science Part A, 2008, 46, 7200-7206.	2.3	35
49	Synthesis of poly(methyl methacrylate)â€“silica nanocomposites using methacrylate-functionalized silica nanoparticles and RAFT polymerization. Polymer, 2008, 49, 5636-5642.	3.8	75
50	Uniform Sub-Micron Polymer Spheres Coated with Ag Nanoparticles. Macromolecular Rapid Communications, 2006, 27, 1774-1778.	3.9	25
51	Polymer-layered silicate nanocomposites prepared through in situ reversible additionâ€“fragmentation chain transfer (RAFT) polymerization. Polymer, 2005, 46, 8573-8581.	3.8	77
52	Structure and melt rheology of polystyrene-based layered silicate nanocomposites. Nanotechnology, 2005, 16, S514-S521.	2.6	46
53	Living Radical Polymerization: Controlling Molecular Size and Chemical Functionality in Vinyl Polymers. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 2005, 45, 171-194.	2.2	67
54	Polymer-silicate nanocomposites produced by in situ atom transfer radical polymerization. Journal of Polymer Science Part A, 2004, 42, 916-924.	2.3	83

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55	Kinetic analysis of styrene atom transfer radical polymerization: Extraction of radical-radical termination rate coefficients. Journal of Polymer Science Part A, 2004, 42, 5548-5558.	2.3	23
56	Nanopatterns of poly(styrene-block-butyl acrylate) block copolymer brushes on the surfaces of exfoliated and intercalated clay layers. Polymer, 2004, 45, 4473-4481.	3.8	70
57	Chain Length Dependence of Radicalâ^'Radical Termination in Free Radical Polymerization:Â A Pulsed Laser Photolysis Investigation. Macromolecules, 2003, 36, 2032-2040.	4.8	21
58	Preparation of Poly(styrene-block-butyl acrylate) Block Copolymerâ^'Silicate Nanocomposites. Chemistry of Materials, 2003, 15, 2693-2695.	6.7	79
59	Free-Radical Intermediates in Atom Transfer Radical Addition and Polymerization:â€‰ Study of Racemization, Halogen Exchange, and Trapping Reactions. Macromolecules, 2001, 34, 3127-3129.	4.8	45
60	Kinetic Analysis of the Atom Transfer Radical Polymerization of Butyl Acrylate Mediated by Cu(I)Br/N,N,NÂâ€²,NÂâ€²,NÂâ€³-Pentamethyldiethylenetriamine. Macromolecular Chemistry and Physics, 2001, 202, 3268-3272.	2.2	9
61	Controlled/â€œLivingâ€•Radical Polymerization Applied to Water-Borne Systems. Macromolecular Symposia, 2000, 155, 15-29.	0.7	47
62	Simple and effective one-pot synthesis of (meth)acrylic block copolymers through atom transfer radical polymerization. Journal of Polymer Science Part A, 2000, 38, 2023-2031.	2.3	145
63	Water-Borne Block and Statistical Copolymers Synthesized Using Atom Transfer Radical Polymerization. Macromolecules, 2000, 33, 2296-2298.	4.8	47
64	Kinetic Analysis of Controlled/â€œLivingâ€•Radical Polymerizations by Simulations. 2. Apparent External Orders of Reactants in Atom Transfer Radical Polymerization. Macromolecules, 2000, 33, 1553-1559.	4.8	77
65	Kinetic Analysis of Controlled/â€œLivingâ€•Radical Polymerizations by Simulations. 1. The Importance of Diffusion-Controlled Reactions. Macromolecules, 1999, 32, 2948-2955.	4.8	110
66	An Investigation into the CuX/2,2â€˜-Bipyridine (X = Br or Cl) Mediated Atom Transfer Radical Polymerization of Acrylonitrile. Macromolecules, 1999, 32, 6431-6438.	4.8	185
67	Measurements of Primary Radical Concentrations Generated by Pulsed Laser Photolysis Using Fluorescence Detection. Journal of Physical Chemistry A, 1999, 103, 6580-6586.	2.5	44
68	Utilizing Halide Exchange To Improve Control of Atom Transfer Radical Polymerization. Macromolecules, 1998, 31, 6836-6840.	4.8	360
69	Synthesis of Acrylate and Methacrylate Block Copolymers Using Atom Transfer Radical Polymerization. Macromolecules, 1998, 31, 8005-8008.	4.8	336
70	Controlled/â€œLivingâ€•Atom Transfer Radical Polymerization of Methyl Methacrylate Using Various Initiation Systems. Macromolecules, 1998, 31, 1527-1534.	4.8	254
71	Direct Measurement of Primary Radical Concentrations in Pulsed Laser Photolysis. Macromolecules, 1997, 30, 7627-7630.	4.8	19
72	Functionality in phenol-formaldehyde step-growth polymerization. Polymer, 1997, 38, 4229-4232.	3.8	8

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73	Determination of molecular weight distributions of novolac resins by gel permeation chromatography. Journal of Polymer Science Part A, 1997, 35, 1399-1407.	2.3	32
74	Evaluation of propagation rate constants for the free radical polymerization of methacrylonitrile by pulsed laser photolysis. Macromolecular Rapid Communications, 1995, 16, 837-844.	3.9	31