Muriel Lansalot

List of Publications by Year
in descending order

116 papers	4,981 citations	81900 39 h-index	102487 66 g-index
119 all docs	119 docs citations	119 times ranked	3577 citing authors

#	Article	IF	Citations
1	Oneâ€Step Synthesis of Degradable Vinylic Polymerâ€Based Latexes via Aqueous Radical Emulsion Polymerization. Angewandte Chemie - International Edition, 2022, 61, .	13.8	42
2	Oneâ€Step Synthesis of Degradable Vinylic Polymerâ€Based Latexes via Aqueous Radical Emulsion Polymerization. Angewandte Chemie, 2022, 134, .	2.0	4
3	Telechelic polyethylene, poly(ethylene-co-vinyl acetate) and triblock copolymers based on ethylene and vinyl acetate by iodine transfer polymerization. Polymer Chemistry, 2022, 13, 2469-2476.	3.9	3
4	Development of Water-Soluble Type I Photoinitiators for Hydrogel Synthesis. Macromol, 2022, 2, 131-140.	4.4	3
5	Synthesis of Iron Oxide-Armored Latex Particles by Pickering Emulsion Polymerization Using 2-Acrylamido-2-methyl-1-propane Sulfonic Acid as an Auxiliary Comonomer. Macromolecules, 2022, 55, 4284-4296.	4.8	2
6	LaponiteÂ®-based colloidal nanocomposites prepared by RAFT-mediated surfactant-free emulsion polymerization: the role of non-ionic and anionic macroRAFT polymers in stability and morphology control. Polymer Chemistry, 2021, 12, 69-81.	3.9	10
7	Influence of structure and solubility of chain transfer agents on the RAFT control of dispersion polymerisation in scCO₂. Chemical Science, 2021, 12, 1016-1030.	7.4	4
8	Triphenylphosphineâ€Functionalized Coreâ€Crossâ€Linked Micelles and Nanogels with a Polycationic Outer Shell: Synthesis and Application in Rhodiumâ€Catalyzed Biphasic Hydrogenations. Chemistry - A European Journal, 2021, 27, 5205-5214.	3.3	7
9	Surfactant-free emulsion polymerization of vinylidene fluoride mediated by RAFT/MADIX reactive poly(ethylene glycol) polymer chains. Polymer Chemistry, 2021, 12, 5640-5649.	3.9	7
10	Visible-Light Emulsion Photopolymerization of Acrylates and Methacrylates: Mechanistic Insights and Introduction of a Simplified Sulfur-Based Photoinitiating System. Macromolecules, 2021, 54, 2124-2133.	4.8	6
11	Development of a Boraneâ€“(Meth)acrylate Photoâ€Click Reaction. Angewandte Chemie, 2021, 133, 17174-17181.	2.0	0
12	Development of a Boraneâ€“(Meth)acrylate Photoâ€Click Reaction. Angewandte Chemie - International Edition, 2021, 60, 17037-17044.	13.8	7
13	Polymer/Laponite Nanocomposite Films Produced from Surfactant-Free Latexes using Cationic Macromolecular Reversible Addition-Fragmentation Chain Transfer Copolymers. Macromolecules, 2021, 54, 7480-7491.	4.8	4
14	RAFTâ€vermittelte polymerisationsinduzierte Selbstorganisation (PISA). Angewandte Chemie, 2020, 132, 8444-8470.	2.0	45
15	RAFTâ€Mediated Polymerizationâ€Induced Selfâ€Assembly. Angewandte Chemie - International Edition, 2020, 59, 8368-8392.	13.8	374
16	Synthesis of double-responsive magnetic latex particles via seeded emulsion polymerization using macroRAFT block copolymers as stabilizers. Polymer Chemistry, 2020, 11, 648-652.	3.9	11
17	Innovative Method for Laponite Encapsulation into Polymer Latex Particles by Clay Cluster-Seeded Emulsion Polymerization. Macromolecules, 2020, 53, 39-50.	4.8	4
18	Poly(vinyl acetate-co-ethylene) particles prepared by surfactant-free emulsion polymerization in the presence of a hydrophilic RAFT/MADIX macromolecular chain transfer agent. Polymer Chemistry, 2020, 11, 7410-7420.	3.9	3

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19	Poly(ethylene glycol)-b-poly(vinyl acetate) block copolymer particles with various morphologies via RAFT/MADIX aqueous emulsion PISA. Polymer Chemistry, 2020, 11, 3922-3930.	3.9	25
20	Synergetic Effect of Water-Soluble PEG-Based Macromonomers and Cellulose Nanocrystals for the Stabilization of PMMA Latexes by Surfactant-Free Emulsion Polymerization. Biomacromolecules, 2020, 21, 4479-4491.	5.4	11
21	Ethylene Polymerizationâ€Induced Selfâ€Assembly (PISA) ofâ€‰Poly(ethylene oxide)â€blockâ€polyethylene Copolymers via RAFT. Angewandte Chemie - International Edition, 2020, 59, 10385-10390.	13.8	24
22	Core-Cross-Linked Micelles Made by RAFT Polymerization with a Polycationic Outer Shell Based on Poly(1-methyl-4-vinylpyridinium). Macromolecules, 2020, 53, 2198-2208.	4.8	10
23	Ethylene Polymerizationâ€Induced Selfâ€Assembly (PISA) ofâ€‰Poly(ethylene oxide)â€•block â€polyethylene Copolymers via RAFT. Angewandte Chemie, 2020, 132, 10471-10476.	2.0	10
24	Polymer-encapsulation of iron oxide clusters using macroRAFT block copolymers as stabilizers: tuning of the particle morphology and surface functionalization. Journal of Materials Chemistry B, 2020, 8, 4917-4929.	5.8	17
25	New Insight into Cluster Aggregation Mechanism during Polymerization-Induced Self-Assembly by Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2019, 123, 6609-6617.	2.6	24
26	Polymerizationâ€Induced Selfâ€Assembly. Macromolecular Rapid Communications, 2019, 40, e1800885.	3.9	37
27	Tailoring the Morphology of Polymer/Montmorillonite Hybrid Latexes by Surfactant-Free Emulsion Polymerization Mediated by Amphipathic MacroRAFT Agents. Macromolecules, 2019, 52, 4979-4988.	4.8	19
28	Bis-N,N-aminophosphine (PNP) crosslinked poly(p-tert-butyl styrene) particles: A new support for heterogeneous palladium catalysts for Suzuki coupling reactions. Catalysis Communications, 2019, 129, 105715.	3.3	9
29	Nitroxide-mediated polymerization of methacrylates in the presence of 4-vinyl pyridine as controlling comonomer. Polymer, 2019, 172, 330-338.	3.8	7
30	In Situ Monitoring of Latex Film Formation by Small-Angle Neutron Scattering: Evolving Distributions of Hydrophilic Stabilizers in Drying Colloidal Films. Langmuir, 2019, 35, 3822-3831.	3.5	18
31	Hydrocarbon based stabilisers for the synthesis of cross-linked poly(2-hydroxyethyl methacrylate) particles in supercritical carbon dioxide. Polymer Chemistry, 2019, 10, 5760-5770.	3.9	4
32	Polymer Nanospheres with Hydrophobic Surface Groups as Supramolecular Building Blocks Produced by Aqueous PISA. Macromolecular Rapid Communications, 2019, 40, e1800455.	3.9	12
33	Tailoring adhesion of anionic surfaces using cationic PISA-latexes â€“ towards tough nanocellulose materials in the wet state. Nanoscale, 2019, 11, 4287-4302.	5.6	22
34	Enhanced Water Barrier Properties of Surfactant-Free Polymer Films Obtained by MacroRAFT-Mediated Emulsion Polymerization. ACS Applied Materials & Interfaces, 2018, 10, 11221-11232.	8.0	48
35	Visibleâ€Light Emulsion Photopolymerization of Styrene. Angewandte Chemie, 2018, 130, 969-973.	2.0	11
36	A Second-Generation Chameleon N-Heterocyclic Carbeneâ€“Borane Coinitiator for the Visible-Light Oxygen-Resistant Photopolymerization of Both Organic and Water-Compatible Resins. Macromolecules, 2018, 51, 9730-9739.	4.8	15

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37	Controlling the Morphology of Film-Forming, Nanocomposite Latexes Containing Layered Double Hydroxide by RAFT-Mediated Emulsion Polymerization. Macromolecules, 2018, 51, 3953-3966.	4.8	23
38	Design of Waterborne Nanoceria/Polymer Nanocomposite UV-Absorbing Coatings: Pickering versus Blended Particles. ACS Applied Nano Materials, 2018, 1, 3956-3968.	5.0	20
39	Visibleâ€Light Emulsion Photopolymerization of Styrene. Angewandte Chemie - International Edition, 2018, 57, 957-961.	13.8	37
40	Nanocomposite latexes containing layered double hydroxides via RAFT-assisted encapsulating emulsion polymerization. Polymer Chemistry, 2017, 8, 1233-1243.	3.9	37
41	Soft and rigid core latex nanoparticles prepared by RAFT-mediated surfactant-free emulsion polymerization for cellulose modification â€“ a comparative study. Polymer Chemistry, 2017, 8, 1061-1073.	3.9	36
42	Nitroxide-Mediated Polymerization-Induced Self-Assembly of Block Copolymers at the Surface of Silica Particles: Toward New Hybrid Morphologies. Macromolecules, 2017, 50, 3796-3806.	4.8	38
43	Nitroxide-mediated polymerization-induced self-assembly of amphiphilic block copolymers with a pH/temperature dual sensitive stabilizer block. Polymer Chemistry, 2017, 8, 4014-4029.	3.9	30
44	High-performance water-based barrier coatings for the corrosion protection of structural steel. Steel Construction, 2017, 10, 254-259.	0.8	13
45	Synthesis of clay-armored poly(vinylidene chloride-co-methyl acrylate) latexes by Pickering emulsion polymerization and their film-forming properties. Polymer Chemistry, 2017, 8, 6217-6232.	3.9	40
46	Crystallization of Nanodomains in Polyethylene Latexes. Macromolecules, 2017, 50, 9742-9749.	4.8	8
47	Hydrophilic MacroRAFT-Mediated Emulsion Polymerization: Synthesis of Latexes for Cross-Linked and Surfactant-Free Films. Macromolecules, 2017, 50, 9315-9328.	4.8	52
48	Core-Cross-Linked Micelles and Amphiphilic Nanogels as Unimolecular Nanoreactors for Micellar-Type, Metal-Based Aqueous Biphasic Catalysis. Fundamental and Applied Catalysis, 2017, , 147-172.	0.9	5
49	Intercalation and structural aspects of macroRAFT agents into MgAl layered double hydroxides. Beilstein Journal of Nanotechnology, 2016, 7, 2000-2012.	2.8	9
50	Coordination Chemistry Inside Polymeric Nanoreactors: Interparticle Metal Exchange and Ionic Compound Vectorization in Phosphineâ€Functionalized Amphiphilic Polymer Latexes. Chemistry - A European Journal, 2016, 22, 6302-6313.	3.3	16
51	The Effect of Hydrophile Topology in RAFTâ€Mediated Polymerizationâ€Induced Selfâ€Assembly. Angewandte Chemie, 2016, 128, 3803-3807.	2.0	22
52	The Effect of Hydrophile Topology in RAFTâ€Mediated Polymerizationâ€Induced Selfâ€Assembly. Angewandte Chemie - International Edition, 2016, 55, 3739-3743.	13.8	126
53	pH-Switchable Stratification of Colloidal Coatings: Surfaces â€œOn Demandâ€• ACS Applied Materials & Interfaces, 2016, 8, 34755-34761.	8.0	40
54	Surfactant-Free Emulsion Polymerization Stabilized by Ultrasmall Superparamagnetic Iron Oxide Particles Using Acrylic Acid or Methacrylic Acid as Auxiliary Comonomers. Macromolecules, 2016, 49, 7609-7624.	4.8	22

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55	From well-defined poly(N -acryloylmorpholine)-stabilized nanospheres to uniform mannuronan- and guluronan-decorated nanoparticles by RAFT polymerization-induced self-assembly. Polymer, 2016, 106, 218-228.	3.8	39
56	Polymer-encapsulated Î³-Fe 2 O 3 nanoparticles prepared via RAFT-mediated emulsion polymerization. Polymer, 2016, 106, 249-260.	3.8	26
57	Core phosphine-functionalized amphiphilic nanogels as catalytic nanoreactors for aqueous biphasic hydroformylation. Journal of Catalysis, 2016, 342, 164-172.	6.2	28
58	Surfactant-free poly(vinylidene chloride) latexes via one-pot RAFT-mediated aqueous polymerization. Polymer, 2016, 106, 275-284.	3.8	30
59	Dynamic Stratification in Drying Films of Colloidal Mixtures. Physical Review Letters, 2016, 116, 118301.	7.8	105
60	Multipod-like silica/polystyrene clusters. Nanoscale, 2016, 8, 5454-5469.	5.6	30
61	Xyloglucan-Functional Latex Particles via RAFT-Mediated Emulsion Polymerization for the Biomimetic Modification of Cellulose. Biomacromolecules, 2016, 17, 1414-1424.	5.4	43
62	Synthesis of Nanocapsules and Polymer/Inorganic Nanoparticles Through Controlled Radical Polymerization At and Near Interfaces in Heterogeneous Media. Advances in Polymer Science, 2015, , 123-161.	0.8	12
63	Amphiphilic core-cross-linked micelles functionalized with bis(4-methoxyphenyl)phenylphosphine as catalytic nanoreactors forÂbiphasic hydroformylation. Polymer, 2015, 72, 327-335.	3.8	39
64	Charge Detection Mass Spectrometry for the Characterization of Mass and Surface Area of Composite Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 10844-10849.	3.1	51
65	Aqueous phase homogeneous catalysis using coreâ€“shell nanoreactors: Application to rhodium-catalyzed hydroformylation of 1-octene. Journal of Catalysis, 2015, 324, 1-8.	6.2	48
66	Synthesis of Multipod-like Silica/Polymer Latex Particles via Nitroxide-Mediated Polymerization-Induced Self-Assembly of Amphiphilic Block Copolymers. Macromolecules, 2015, 48, 545-556.	4.8	65
67	Encapsulation with the Use of Controlled Radical Polymerization. , 2015, , 718-729.		4
68	Towards a one-step method for preparing silica/polymer heterodimers and dimpled polymer particles. Polymer, 2015, 70, 118-126.	3.8	12
69	One-Pot RAFT Synthesis of Triphenylphosphine-Functionalized Amphiphilic Core-Shell Polymers and Application as Catalytic Nanoreactors in Aqueous Biphasic Hydroformylation. ACS Symposium Series, 2015, , 203-220.	0.5	11
70	Controlled/Living Radical Polymerization in Dispersed Systems: An Update. Chemical Reviews, 2015, 115, 9745-9800.	47.7	393
71	SEC Analysis of Poly(Acrylic Acid) and Poly(Methacrylic Acid). Macromolecular Chemistry and Physics, 2015, 216, 23-37.	2.2	46
72	RAFT/MADIX copolymerization of vinyl acetate and 5,6â€benzoâ€2â€methyleneâ€1,3â€dioxepane. Journal of Polymer Science Part A, 2014, 52, 104-111.	2.3	27

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73	Regioselective Coating of Tetrapod-like Clusters with Silica. Molecular Crystals and Liquid Crystals, 2014, 604, 27-32.	0.9	3
74	Novel technologies and chemistries for waterborne coatings. Journal of Coatings Technology Research, 2014, 11, 131-141.	2.5	5
75	Emulsion Polymerization of Vinyl Acetate in the Presence of Different Hydrophilic Polymers Obtained by RAFT/MADIX. Macromolecules, 2014, 47, 3461-3472.	4.8	61
76	Synthesis of nanoscaled poly(styrene-co-n-butyl acrylate)/silica particles with dumbbell- and snowman-like morphologies by emulsion polymerization. Polymer Chemistry, 2014, 5, 5609-5616.	3.9	12
77	Synthesis of multi-hollow clay-armored latexes by surfactant-free emulsion polymerization of styrene mediated by poly(ethylene oxide)-based macroRAFT/Laponite complexes. Polymer Chemistry, 2014, 5, 6611-6622.	3.9	33
78	Modification of cellulose model surfaces by cationic polymer latexes prepared by RAFT-mediated surfactant-free emulsion polymerization. Polymer Chemistry, 2014, 5, 6076-6086.	3.9	62
79	Free Radical Emulsion Polymerization of Ethylene. Macromolecules, 2014, 47, 6591-6600.	4.8	23
80	Coreâ€“Shell Nanoreactors for Efficient Aqueous Biphasic Catalysis. Chemistry - A European Journal, 2014, 20, 15505-15517.	3.3	68
81	Encapsulation with the Use of Controlled Radical Polymerization. , 2014, , 1-13.		2
82	Effect of the pH on the RAFT Polymerization of Acrylic Acid in Water. Application to the Synthesis of Poly(acrylic acid)-Stabilized Polystyrene Particles by RAFT Emulsion Polymerization. Macromolecules, 2013, 46, 6013-6023.	4.8	155
83	Study of the solution and aqueous emulsion copolymerization of vinylidene chloride with methyl acrylate in the presence a poly(ethylene oxide) macromolecular RAFT agent. Polymer, 2013, 54, 6547-6554.	3.8	14
84	Synthesis and characterization of biomimetic nanogels for immunorecognition. Colloids and Surfaces B: Biointerfaces, 2013, 112, 264-271.	5.0	5
85	Cerium oxide encapsulation by emulsion polymerization using hydrophilic macroRAFT agents. Polymer Chemistry, 2013, 4, 607-614.	3.9	62
86	Nitroxide-Mediated Polymerization-Induced Self-Assembly of Poly(poly(ethylene oxide) methyl ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Amphiphilic Block Copolymers. Macromolecules, 2013, 46, 4285-4295.	4.8	90
87	Poly(vinylidene chloride)-Based Amphiphilic Block Copolymers. Macromolecules, 2013, 46, 664-673.	4.8	16
88	The Charging of Micellar Nanoparticles in Electrospray Ionization. ChemPhysChem, 2013, 14, 603-609.	2.1	17
89	Synthesis and Siteâ€Specific Functionalization of Tetravalent, Hexavalent, and Dodecavalent Silica Particles. Angewandte Chemie - International Edition, 2013, 52, 11068-11072.	13.8	64
90	Spheres Growing on a Sphere: A Model to Predict the Morphology Yields of Colloidal Molecules Obtained through a Heterogeneous Nucleation Route. Langmuir, 2012, 28, 11575-11583.	3.5	13

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91	Efficient Synthesis of Snowman- and Dumbbell-like Silica/Polymer Anisotropic Heterodimers through Emulsion Polymerization Using a Surface-Anchored Cationic Initiator. Macromolecules, 2012, 45, 7009-7018.	4.8	38
92	Stabilization of Miniemulsion Droplets by Cerium Oxide Nanoparticles: A Step toward the Elaboration of Armored Composite Latexes. Langmuir, 2012, 28, 6163-6174.	3.5	44
93	High-yield preparation of polystyrene/silica clusters of controlled morphology. Polymer Chemistry, 2012, 3, 1130.	3.9	72
94	Synthesis of HCN-like poly(methyl methacrylate)/polystyrene/silica colloidal molecules. Polymer Chemistry, 2012, 3, 3232.	3.9	7
95	Batch Emulsion Polymerization Mediated by Poly(methacrylic acid) MacroRAFT Agents: One-Pot Synthesis of Self-Stabilized Particles. Macromolecules, 2012, 45, 5881-5893.	4.8	139
96	RAFT Polymerization of Methacrylic Acid in Water. Macromolecules, 2012, 45, 1241-1247.	4.8	72
97	Controlled radical polymerization of styrene in miniemulsion mediated by PEO-based trithiocarbonate macromolecular RAFT agents. Polymer Chemistry, 2011, 2, 355-362.	3.9	94
98	Amphiphilic Block Copolymers from a Direct and Oneâ€pot RAFT Synthesis in Water. Macromolecular Rapid Communications, 2011, 32, 1270-1276.	3.9	113
99	Waterborne polyurethane dispersions obtained by the acetone process: A study of colloidal features. Journal of Applied Polymer Science, 2011, 120, 2054-2062.	2.6	60
100	Syntheses of Ethyl Cellulose Acrylate Hybrid Latex via Mini-Polymerization. Advanced Materials Research, 2011, 250-253, 804-808.	0.3	0
101	A Step Towards Highâ€Molecularâ€Weight Living/Controlled Polystyrene Using SG1â€Mediated Polymerization. Macromolecular Reaction Engineering, 2010, 4, 403-414.	1.5	15
102	Synthesis of room temperature self-curable waterborne hybrid polyurethanes functionalized with (3-aminopropyl)triethoxysilane (APTES). Polymer, 2010, 51, 5051-5057.	3.8	132
103	New ethyl cellulose/acrylic hybrid latexes and coatings via miniemulsion polymerization. Journal of Polymer Science Part A, 2010, 48, 2329-2339.	2.3	9
104	Organic/Inorganic Composite Latexes: The Marriage of Emulsion Polymerization and Inorganic Chemistry. Advances in Polymer Science, 2010, , 53-123.	0.8	120
105	Automated Oligonucleotide Solid-Phase Synthesis on Nanosized Silica Particles Using Nano-on-Micro Assembled Particle Supports. Langmuir, 2010, 26, 4941-4950.	3.5	15
106	Use of a Poly(ethylene oxide) MacroRAFT Agent as Both a Stabilizer and a Control Agent in Styrene Polymerization in Aqueous Dispersed System. Macromolecules, 2009, 42, 946-956.	4.8	66
107	Surface modification of iron oxide nanoparticles by a phosphateâ€based macromonomer and further encapsulation into submicrometer polystyrene particles by miniemulsion polymerization. Journal of Polymer Science Part A, 2008, 46, 327-340.	2.3	53
108	Combining Steric and Electrostatic Stabilization Using Hydrophilic MacroRAFT Agents in anAb Initio Emulsion Polymerization of Styrene. Macromolecular Rapid Communications, 2007, 28, 1325-1332.	3.9	78

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109	Synthesis of Quantum Dot-Tagged Submicrometer Polystyrene Particles by Miniemulsion Polymerization. Langmuir, 2006, 22, 1810-1816.	3.5	132
110	Elaboration of fluorescent and highly magnetic submicronic polymer particles via a stepwise heterocoagulation process. Colloid and Polymer Science, 2005, 283, 1267-1277.	2.1	32
111	Design and use ofÎ²-phosphorus nitroxides and alkoxyamines in controlled/â€œlivingâ€•free radical polymerizations. Macromolecular Symposia, 2002, 182, 225-247.	0.7	65
112	RAFT Miniemulsion Polymerization:â€‰ Influence of the Structure of the RAFT Agent. Macromolecules, 2002, 35, 7582-7591.	4.8	151
113	Polystyrene-block-poly(butyl acrylate) and polystyrene-block-poly[(butyl acrylate)-co-styrene] block copolymers prepared via controlled free-radical miniemulsion polymerization using degenerative iodine transfer. Macromolecular Rapid Communications, 2000, 21, 921-926.	3.9	50
114	Mechanistic Aspects of Nitroxide-Mediated Controlled Radical Polymerization of Styrene in Miniemulsion, Using a Water-Soluble Radical Initiator. Macromolecules, 2000, 33, 8559-8570.	4.8	116
115	Controlled Free-Radical Miniemulsion Polymerization of Styrene Using Degenerative Transfer. Macromolecules, 1999, 32, 7354-7360.	4.8	109
116	Polymerization&;#x02010;Induced Self&;#x02010;Assembly: The Contribution of Controlled Radical Polymerization to The Formation of Self&;#x02010;Stabilized Polymer Particles of Various Morphologies. , 0, , 33-82.		40