

Jianbo Tan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

2,068
citations

28
h-index

44
g-index

69
ext. papers

2,464
ext. citations

5.1
avg. IF

5.51
L-index

#	Paper	IF	Citations
61	Simultaneous Synthesis and Self-Assembly of Bottlebrush Block Copolymers at Room Temperature via Photoinitiated RAFT Dispersion Polymerization.. <i>Macromolecular Rapid Communications</i> , 2022 , e2100921	4.8	2
60	Segmented Copolymers Synthesized by Reversible Addition-Fragmentation Chain Transfer (RAFT) Polymerization Using an Asymmetric Difunctional RAFT Agent and the Utilization in RAFT-Mediated Dispersion Polymerization. <i>Macromolecules</i> , 2022 , 55, 65-77	5.5	2
59	Exploiting Wavelength Orthogonality in Photoinitiated RAFT Dispersion Polymerization and Photografting for Monodisperse Surface-Functional Polymeric Microspheres.. <i>ACS Macro Letters</i> , 2022 , 716-722	6.6	0
58	Switching between Thermal Initiation and Photoinitiation Redirects RAFT-Mediated Polymerization-Induced Self-Assembly. <i>Macromolecules</i> , 2021 , 54, 2948-2959	5.5	16
57	Utilization of Poor RAFT Control in Heterogeneous RAFT Polymerization. <i>Macromolecules</i> , 2021 , 54, 4669-4681	5.5	10
56	One-Step Preparation of Thermo-Responsive Poly(N-isopropylacrylamide)-Based Block Copolymer Nanoparticles by Aqueous Photoinitiated Polymerization-Induced Self-Assembly. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100201	4.8	6
55	Type I Photoinitiator-Functionalized Block Copolymer Nanoparticles Prepared by RAFT-Mediated Polymerization-Induced Self-Assembly.. <i>ACS Macro Letters</i> , 2021 , 10, 297-306	6.6	17
54	Preparation of Block Copolymer Nano-Objects with Embedded Ketoester Functional Groups by Photoinitiated RAFT Dispersion Polymerization. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2000720	4.8	7
53	How the Reactive End Group of Macro-RAFT Agent Affects RAFT-Mediated Emulsion Polymerization-Induced Self-Assembly. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100333	4.8	5
52	Expanding the Scope of Polymerization-Induced Self-Assembly: Recent Advances and New Horizons. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100498	4.8	20
51	In situ cross-linking in RAFT-mediated emulsion polymerization: Reshaping the preparation of cross-linked block copolymer nano-objects by polymerization-induced self-assembly. <i>Polymer</i> , 2021 , 230, 124095	3.9	6
50	Efficient Preparation of Branched Block Copolymer Assemblies by Photoinitiated RAFT Self-Condensing Vinyl Dispersion Polymerization. <i>Macromolecules</i> , 2020 , 53, 9725-9735	5.5	16
49	Uncontrolled polymerization that occurred during photoinitiated RAFT dispersion polymerization of acrylic monomers promotes the formation of uniform raspberry-like polymer particles. <i>Polymer Chemistry</i> , 2020 , 11, 4591-4603	4.9	8
48	Thermoresponsive Block Copolymer Vesicles by Visible Light-Initiated Seeded Polymerization-Induced Self-Assembly for Temperature-Regulated Enzymatic Nanoreactors. <i>ACS Macro Letters</i> , 2020 , 9, 533-539	6.6	39
47	R-RAFT or Z-RAFT? Well-Defined Star Block Copolymer Nano-Objects Prepared by RAFT-Mediated Polymerization-Induced Self-Assembly. <i>Macromolecules</i> , 2020 , 53, 1557-1566	5.5	21
46	Efficient Photoinitiated Polymerization-Induced Self-Assembly with Oxygen Tolerance through Dual-Wavelength Type I Photoinitiation and Photoinduced Deoxygenation. <i>Macromolecules</i> , 2020 , 53, 1212-1223	5.5	32
45	Two Polymersome Evolution Pathways in One Polymerization-Induced Self-Assembly (PISA) System. <i>Macromolecules</i> , 2020 , 53, 8982-8991	5.5	28

44	Better RAFT Control is Better? Insights into the Preparation of Monodisperse Surface-Functional Polymeric Microspheres by Photoinitiated RAFT Dispersion Polymerization. <i>Macromolecules</i> , 2019 , 52, 7267-7277	5.5	22
43	Open-air preparation of cross-linked CO-responsive polymer vesicles by enzyme-assisted photoinitiated polymerization-induced self-assembly. <i>Chemical Communications</i> , 2019 , 55, 11920-11923	5.8	27
42	Polymerization-Induced Self-Assembly via RAFT-Mediated Emulsion Polymerization of Methacrylic Monomers. <i>Macromolecules</i> , 2019 , 52, 7468-7476	5.5	43
41	Photoinitiated Polymerization-Induced Self-Assembly via Visible Light-Induced RAFT-Mediated Emulsion Polymerization. <i>ACS Macro Letters</i> , 2019 , 8, 205-212	6.6	63
40	Monodisperse poly(methyl methacrylate) microspheres with tunable carboxyl groups on the surface obtained by photoinitiated RAFT dispersion polymerization. <i>Chemical Communications</i> , 2019 , 55, 7848-7851	5.8	22
39	Combining the power of heat and light: temperature-programmed photoinitiated RAFT dispersion polymerization to tune polymerization-induced self-assembly. <i>Polymer Chemistry</i> , 2019 , 10, 3902-3911	4.9	20
38	Ketone-Functionalized Polymer Nano-Objects Prepared via Photoinitiated Polymerization-Induced Self-Assembly (Photo-PISA) Using a Poly(diacetone acrylamide)-Based Macro-RAFT Agent. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800296	4.8	32
37	Blue Light-Initiated Alcoholic RAFT Dispersion Polymerization of Benzyl Methacrylate: A Detailed Study. <i>Polymers</i> , 2019 , 11,	4.5	2
36	Structural Difference in Macro-RAFT Agents Redirects Polymerization-Induced Self-Assembly. <i>ACS Macro Letters</i> , 2019 , 8, 1102-1109	6.6	34
35	Seeded Photoinitiated Polymerization-Induced Self-Assembly: Cylindrical Micelles with Patchy Structures Prepared via the Chain Extension of a Third Block. <i>ACS Macro Letters</i> , 2019 , 8, 955-961	6.6	38
34	100th Anniversary of Macromolecular Science Viewpoint: Heterogenous Reversible Deactivation Radical Polymerization at Room Temperature. Recent Advances and Future Opportunities. <i>ACS Macro Letters</i> , 2019 , 8, 1660-1669	6.6	36
33	Expanding the Scope of Polymerization-Induced Self-Assembly: Z-RAFT-Mediated Photoinitiated Dispersion Polymerization. <i>ACS Macro Letters</i> , 2018 , 7, 255-262	6.6	48
32	Sodium Bis(acyl)phosphane oxide (SBAPO): An efficient photoinitiator for blue light initiated aqueous RAFT dispersion polymerization. <i>Polymer</i> , 2018 , 145, 70-79	3.9	9
31	Enzyme-PISA: An Efficient Method for Preparing Well-Defined Polymer Nano-Objects under Mild Conditions. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1700871	4.8	54
30	Photoinitiated Seeded RAFT Dispersion Polymerization: A Facile Method for the Preparation of Epoxy-Functionalized Triblock Copolymer Nano-Objects. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800473	4.8	25
29	Enzyme catalysis-induced RAFT polymerization in water for the preparation of epoxy-functionalized triblock copolymer vesicles. <i>Polymer Chemistry</i> , 2018 , 9, 4908-4916	4.9	40
28	Room Temperature Synthesis of Self-Assembled AB/B and ABC/BC Blends by Photoinitiated Polymerization-Induced Self-Assembly (Photo-PISA) in Water. <i>Macromolecules</i> , 2018 , 51, 7396-7406	5.5	48
27	An insight into aqueous photoinitiated polymerization-induced self-assembly (photo-PISA) for the preparation of diblock copolymer nano-objects. <i>Polymer Chemistry</i> , 2017 , 8, 1315-1327	4.9	86

26	Facile preparation of hybrid vesicles loaded with silica nanoparticles via aqueous photoinitiated polymerization-induced self-assembly. <i>RSC Advances</i> , 2017 , 7, 23114-23121	3.7	32
25	Photoinitiated Polymerization-Induced Self-Assembly of Glycidyl Methacrylate for the Synthesis of Epoxy-Functionalized Block Copolymer Nano-Objects. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700195	4.8	58
24	Polymerization-Induced Self-Assembly of Homopolymer and Diblock Copolymer: A Facile Approach for Preparing Polymer Nano-Objects with Higher-Order Morphologies. <i>ACS Macro Letters</i> , 2017 , 6, 298-303	6.6	59
23	Adding a solvophilic comonomer to the polymerization-induced self-assembly of block copolymer and homopolymer: a cooperative strategy for preparing large compound vesicles. <i>RSC Advances</i> , 2017 , 7, 46069-46081	3.7	18
22	Carboxyl-Functionalized Polymeric Microspheres Prepared by One-Stage Photoinitiated RAFT Dispersion Polymerization. <i>Polymers</i> , 2017 , 9,	4.5	7
21	Enzyme-Assisted Photoinitiated Polymerization-Induced Self-Assembly: An Oxygen-Tolerant Method for Preparing Block Copolymer Nano-Objects in Open Vessels and Multiwell Plates. <i>Macromolecules</i> , 2017 , 50, 5798-5806	5.5	105
20	Rapid synthesis of well-defined all-acrylic diblock copolymer nano-objects via alcoholic photoinitiated polymerization-induced self-assembly (photo-PISA). <i>Polymer Chemistry</i> , 2017 , 8, 6853-6864	4.9	45
19	Facile Preparation of CO ₂ -Responsive Polymer Nano-Objects via Aqueous Photoinitiated Polymerization-Induced Self-Assembly (Photo-PISA). <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1600508	4.8	68
18	Low-Temperature Synthesis of Thermoresponsive Diblock Copolymer Nano-Objects via Aqueous Photoinitiated Polymerization-Induced Self-Assembly (Photo-PISA) using Thermoresponsive Macro-RAFT Agents. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1434-40	4.8	62
17	Alcoholic Photoinitiated Polymerization-Induced Self-Assembly (Photo-PISA): A Fast Route toward Poly(isobornyl acrylate)-Based Diblock Copolymer Nano-Objects. <i>ACS Macro Letters</i> , 2016 , 5, 894-899	6.6	70
16	Z-type and R-type macro-RAFT agents in RAFT dispersion polymerization – another mechanism perspective on PISA. <i>Polymer Chemistry</i> , 2016 , 7, 3756-3765	4.9	15
15	Room temperature synthesis of poly(poly(ethylene glycol) methyl ether methacrylate)-based diblock copolymer nano-objects via Photoinitiated Polymerization-Induced Self-Assembly (Photo-PISA). <i>Polymer Chemistry</i> , 2016 , 7, 2372-2380	4.9	93
14	Facile Preparation of Monodisperse Poly(2-hydroxyethyl acrylate)-Grafted Poly(methyl methacrylate) Microspheres via Photoinitiated RAFT Dispersion Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 1723-1728	2.6	10
13	Photosynthesis of poly(glycidyl methacrylate) microspheres: a component for making covalently cross-linked colloidosomes and organic/inorganic nanocomposites. <i>Journal of Materials Science</i> , 2016 , 51, 9455-9471	4.3	20
12	Fast and facile one-step synthesis of monodisperse thermo-responsive core-shell microspheres and applications. <i>Polymer Chemistry</i> , 2015 , 6, 6698-6708	4.9	10
11	PMMA Microspheres with Embedded Lanthanide Nanoparticles by Photoinitiated Dispersion Polymerization with a Carboxy-Functional Macro-RAFT Agent. <i>Macromolecules</i> , 2015 , 48, 3629-3640	5.5	25
10	Photo-PISA: Shedding Light on Polymerization-Induced Self-Assembly. <i>ACS Macro Letters</i> , 2015 , 4, 1249-1253	6.5	274
9	Monodisperse highly cross-linked living microspheres prepared via photoinitiated RAFT dispersion polymerization. <i>RSC Advances</i> , 2015 , 5, 18922-18931	3.7	20

8	Synthesis of PMMA Microparticles with a Narrow Size Distribution by Photoinitiated RAFT Dispersion Polymerization with a Macromonomer as the Stabilizer. <i>Macromolecules</i> , 2014 , 47, 6856-6866	5.5	31
7	One-stage photoinitiated RAFT dispersion polymerization [Reaction parameters for achieving high particle size uniformity. <i>Polymer</i> , 2014 , 55, 2380-2388	3.9	18
6	Synthesis of Highly Monodisperse Surface-Functional Microspheres by Photoinitiated RAFT Dispersion Polymerization Using Macro-RAFT Agents. <i>Macromolecules</i> , 2013 , 46, 8441-8448	5.5	34
5	Photoinitiated RAFT Dispersion Polymerization: A Straightforward Approach toward Highly Monodisperse Functional Microspheres. <i>Macromolecules</i> , 2012 , 45, 8790-8795	5.5	46
4	Photoinitiated precipitation polymerization in liquid CO ₂ : Fast formation of crosslinked poly(acrylic acid-co-methoxy polyethylene glycol acrylate) microspheres. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 4660-4667	2.5	2
3	Morphology-controllable synthesis of tetragonal LaVO ₄ nanostructures. <i>CrystEngComm</i> , 2010 , 12, 1079-1085	3.9	29
2	Photoinitiated dispersion polymerization using polyurethane based macrophotoinitiator as stabilizer and photoinitiator. <i>Polymer</i> , 2010 , 51, 3394-3401	3.9	24
1	Organic/inorganic hybrid nanomaterials prepared via polymerization-induced self-assembly: recent developments and future opportunities. <i>Polymer Chemistry</i> ,	4.9	2