Jianbo Tan

List of Publications by Citations

61	2,068	28	44
papers	citations	h-index	g-index

69	2,464	5.1	5.51
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
61	Photo-PISA: Shedding Light on Polymerization-Induced Self-Assembly. *ACS Macro Letters*, **2015**, 4, 1249-1253	6.6	274
60	Enzyme-Assisted Photoinitiated Polymerization-Induced Self-Assembly: An Oxygen-Tolerant Method for Preparing Block Copolymer Nano-Objects in Open Vessels and Multiwell Plates. *Macromolecules*, **2017**, 50, 5798-5806	5.5	105
59	Room temperature synthesis of poly(poly(ethylene glycol) methyl ether methacrylate)-based diblock copolymer nano-objects via Photoinitiated Polymerization-Induced Self-Assembly (Photo-PISA). *Polymer Chemistry*, **2016**, 7, 2372-2380	4.9	93
58	An insight into aqueous photoinitiated polymerization-induced self-assembly (photo-PISA) for the preparation of diblock copolymer nano-objects. *Polymer Chemistry*, **2017**, 8, 1315-1327	4.9	86
57	Alcoholic Photoinitiated Polymerization-Induced Self-Assembly (Photo-PISA): A Fast Route toward Poly(isobornyl acrylate)-Based Diblock Copolymer Nano-Objects. *ACS Macro Letters*, **2016**, 5, 894-899	6.6	70
56	Facile Preparation of CO -Responsive Polymer Nano-Objects via Aqueous Photoinitiated Polymerization-Induced Self-Assembly (Photo-PISA). *Macromolecular Rapid Communications*, **2017**, 38, 1600508	4.8	68
55	Photoinitiated Polymerization-Induced Self-Assembly via Visible Light-Induced RAFT-Mediated Emulsion Polymerization. *ACS Macro Letters*, **2019**, 8, 205-212	6.6	63
54	Low-Temperature Synthesis of Thermoresponsive Diblock Copolymer Nano-Objects via Aqueous Photoinitiated Polymerization-Induced Self-Assembly (Photo-PISA) using Thermoresponsive Macro-RAFT Agents. *Macromolecular Rapid Communications*, **2016**, 37, 1434-40	4.8	62
53	Polymerization-Induced Self-Assembly of Homopolymer and Diblock Copolymer: A Facile Approach for Preparing Polymer Nano-Objects with Higher-Order Morphologies. *ACS Macro Letters*, **2017**, 6, 298-303	6.6	59
52	Photoinitiated Polymerization-Induced Self-Assembly of Glycidyl Methacrylate for the Synthesis of Epoxy-Functionalized Block Copolymer Nano-Objects. *Macromolecular Rapid Communications*, **2017**, 38, 1700195	4.8	58
51	Enzyme-PISA: An Efficient Method for Preparing Well-Defined Polymer Nano-Objects under Mild Conditions. *Macromolecular Rapid Communications*, **2018**, 39, e1700871	4.8	54
50	Expanding the Scope of Polymerization-Induced Self-Assembly: Z-RAFT-Mediated Photoinitiated Dispersion Polymerization. *ACS Macro Letters*, **2018**, 7, 255-262	6.6	48
49	Room Temperature Synthesis of Self-Assembled AB/B and ABC/BC Blends by Photoinitiated Polymerization-Induced Self-Assembly (Photo-PISA) in Water. *Macromolecules*, **2018**, 51, 7396-7406	5.5	48
48	Photoinitiated RAFT Dispersion Polymerization: A Straightforward Approach toward Highly Monodisperse Functional Microspheres. *Macromolecules*, **2012**, 45, 8790-8795	5.5	46
47	Rapid synthesis of well-defined all-acrylic diblock copolymer nano-objects via alcoholic photoinitiated polymerization-induced self-assembly (photo-PISA). *Polymer Chemistry*, **2017**, 8, 6853-6864	4.9	45
46	Polymerization-Induced Self-Assembly via RAFT-Mediated Emulsion Polymerization of Methacrylic Monomers. *Macromolecules*, **2019**, 52, 7468-7476	5.5	43
45	Enzyme catalysis-induced RAFT polymerization in water for the preparation of epoxy-functionalized triblock copolymer vesicles. *Polymer Chemistry*, **2018**, 9, 4908-4916	4.9	40

44	Thermoresponsive Block Copolymer Vesicles by Visible Light-Initiated Seeded Polymerization-Induced Self-Assembly for Temperature-Regulated Enzymatic Nanoreactors. *ACS Macro Letters*, **2020**, 9, 533-539	6.6	39
43	Seeded Photoinitiated Polymerization-Induced Self-Assembly: Cylindrical Micelles with Patchy Structures Prepared via the Chain Extension of a Third Block. *ACS Macro Letters*, **2019**, 8, 955-961	6.6	38
42	100th Anniversary of Macromolecular Science Viewpoint: Heterogenous Reversible Deactivation Radical Polymerization at Room Temperature. Recent Advances and Future Opportunities. *ACS Macro Letters*, **2019**, 8, 1660-1669	6.6	36
41	Structural Difference in Macro-RAFT Agents Redirects Polymerization-Induced Self-Assembly. *ACS Macro Letters*, **2019**, 8, 1102-1109	6.6	34
40	Synthesis of Highly Monodisperse Surface-Functional Microspheres by Photoinitiated RAFT Dispersion Polymerization Using Macro-RAFT Agents. *Macromolecules*, **2013**, 46, 8441-8448	5.5	34
39	Facile preparation of hybrid vesicles loaded with silica nanoparticles via aqueous photoinitiated polymerization-induced self-assembly. *RSC Advances*, **2017**, 7, 23114-23121	3.7	32
38	Efficient Photoinitiated Polymerization-Induced Self-Assembly with Oxygen Tolerance through Dual-Wavelength Type I Photoinitiation and Photoinduced Deoxygenation. *Macromolecules*, **2020**, 53, 1212-1223	5.5	32
37	Ketone-Functionalized Polymer Nano-Objects Prepared via Photoinitiated Polymerization-Induced Self-Assembly (Photo-PISA) Using a Poly(diacetone acrylamide)-Based Macro-RAFT Agent. *Macromolecular Rapid Communications*, **2019**, 40, e1800296	4.8	32
36	Synthesis of PMMA Microparticles with a Narrow Size Distribution by Photoinitiated RAFT Dispersion Polymerization with a Macromonomer as the Stabilizer. *Macromolecules*, **2014**, 47, 6856-6866	5.5	31
35	Morphology-controllable synthesis of tetragonal LaVO4 nanostructures. *CrystEngComm*, **2010**, 12, 1079-1085	3.9	29
34	Two Polymersome Evolution Pathways in One Polymerization-Induced Self-Assembly (PISA) System. *Macromolecules*, **2020**, 53, 8982-8991	5.5	28
33	Open-air preparation of cross-linked CO-responsive polymer vesicles by enzyme-assisted photoinitiated polymerization-induced self-assembly. *Chemical Communications*, **2019**, 55, 11920-11923	5.8	27
32	PMMA Microspheres with Embedded Lanthanide Nanoparticles by Photoinitiated Dispersion Polymerization with a Carboxy-Functional Macro-RAFT Agent. *Macromolecules*, **2015**, 48, 3629-3640	5.5	25
31	Photoinitiated Seeded RAFT Dispersion Polymerization: A Facile Method for the Preparation of Epoxy-Functionalized Triblock Copolymer Nano-Objects. *Macromolecular Rapid Communications*, **2018**, 39, e1800473	4.8	25
30	Photoinitiated dispersion polymerization using polyurethane based macrophotoinitiator as stabilizer and photoinitiator. *Polymer*, **2010**, 51, 3394-3401	3.9	24
29	Better RAFT Control is Better? Insights into the Preparation of Monodisperse Surface-Functional Polymeric Microspheres by Photoinitiated RAFT Dispersion Polymerization. *Macromolecules*, **2019**, 52, 7267-7277	5.5	22
28	Monodisperse poly(methyl methacrylate) microspheres with tunable carboxyl groups on the surface obtained by photoinitiated RAFT dispersion polymerization. *Chemical Communications*, **2019**, 55, 7848-7851	5.8	22
27	R-RAFT or Z-RAFT? Well-Defined Star Block Copolymer Nano-Objects Prepared by RAFT-Mediated Polymerization-Induced Self-Assembly. *Macromolecules*, **2020**, 53, 1557-1566	5.5	21

26	Combining the power of heat and light: temperature-programmed photoinitiated RAFT dispersion polymerization to tune polymerization-induced self-assembly. *Polymer Chemistry*, **2019**, 10, 3902-3911	4.9	20
25	Monodisperse highly cross-linked living microspheres prepared via photoinitiated RAFT dispersion polymerization. *RSC Advances*, **2015**, 5, 18922-18931	3.7	20
24	Photosynthesis of poly(glycidyl methacrylate) microspheres: a component for making covalently cross-linked colloidosomes and organic/inorganic nanocomposites. *Journal of Materials Science*, **2016**, 51, 9455-9471	4.3	20
23	Expanding the Scope of Polymerization-Induced Self-Assembly: Recent Advances and New Horizons. *Macromolecular Rapid Communications*, **2021**, 42, e2100498	4.8	20
22	Adding a solvophilic comonomer to the polymerization-induced self-assembly of block copolymer and homopolymer: a cooperative strategy for preparing large compound vesicles. *RSC Advances*, **2017**, 7, 46069-46081	3.7	18
21	One-stage photoinitiated RAFT dispersion polymerization Reaction parameters for achieving high particle size uniformity. *Polymer*, **2014**, 55, 2380-2388	3.9	18
20	Type I Photoinitiator-Functionalized Block Copolymer Nanoparticles Prepared by RAFT-Mediated Polymerization-Induced Self-Assembly.. *ACS Macro Letters*, **2021**, 10, 297-306	6.6	17
19	Efficient Preparation of Branched Block Copolymer Assemblies by Photoinitiated RAFT Self-Condensing Vinyl Dispersion Polymerization. *Macromolecules*, **2020**, 53, 9725-9735	5.5	16
18	Switching between Thermal Initiation and Photoinitiation Redirects RAFT-Mediated Polymerization-Induced Self-Assembly. *Macromolecules*, **2021**, 54, 2948-2959	5.5	16
17	Z-type and R-type macro-RAFT agents in RAFT dispersion polymerization another mechanism perspective on PISA. *Polymer Chemistry*, **2016**, 7, 3756-3765	4.9	15
16	Fast and facile one-step synthesis of monodisperse thermo-responsive core shell microspheres and applications. *Polymer Chemistry*, **2015**, 6, 6698-6708	4.9	10
15	Utilization of Poor RAFT Control in Heterogeneous RAFT Polymerization. *Macromolecules*, **2021**, 54, 4669-4681	5.5	10
14	Facile Preparation of Monodisperse Poly(2-hydroxyethyl acrylate)-Grafted Poly(methyl methacrylate) Microspheres via Photoinitiated RAFT Dispersion Polymerization. *Macromolecular Chemistry and Physics*, **2016**, 217, 1723-1728	2.6	10
13	Sodium Bis(acyl)phosphane oxide (SBAPO): An efficient photoinitiator for blue light initiated aqueous RAFT dispersion polymerization. *Polymer*, **2018**, 145, 70-79	3.9	9
12	Uncontrolled polymerization that occurred during photoinitiated RAFT dispersion polymerization of acrylic monomers promotes the formation of uniform raspberry-like polymer particles. *Polymer Chemistry*, **2020**, 11, 4591-4603	4.9	8
11	Carboxyl-Functionalized Polymeric Microspheres Prepared by One-Stage Photoinitiated RAFT Dispersion Polymerization. *Polymers*, **2017**, 9,	4.5	7
10	Preparation of Block Copolymer Nano-Objects with Embedded Ketoester Functional Groups by Photoinitiated RAFT Dispersion Polymerization. *Macromolecular Rapid Communications*, **2021**, 42, e2000720	4.8	7
9	One-Step Preparation of Thermo-Responsive Poly(N-isopropylacrylamide)-Based Block Copolymer Nanoparticles by Aqueous Photoinitiated Polymerization-Induced Self-Assembly. *Macromolecular Rapid Communications*, **2021**, 42, e2100201	4.8	6

List of Publications

8	In situ cross-linking in RAFT-mediated emulsion polymerization: Reshaping the preparation of cross-linked block copolymer nano-objects by polymerization-induced self-assembly. *Polymer*, **2021**, 230, 124095	3.9	6
7	How the Reactive End Group of Macro-RAFT Agent Affects RAFT-Mediated Emulsion Polymerization-Induced Self-Assembly. *Macromolecular Rapid Communications*, **2021**, 42, e2100333	4.8	5
6	Blue Light-Initiated Alcoholic RAFT Dispersion Polymerization of Benzyl Methacrylate: A Detailed Study. *Polymers*, **2019**, 11,	4.5	2
5	Photoinitiated precipitation polymerization in liquid CO2: Fast formation of crosslinked poly(acrylic acid-co-methoxy polyethylene glycol acrylate) microspheres. *Journal of Polymer Science Part A*, **2011**, 49, 4660-4667	2.5	2
4	Simultaneous Synthesis and Self-Assembly of Bottlebrush Block Copolymers at Room Temperature via Photoinitiated RAFT Dispersion Polymerization.. *Macromolecular Rapid Communications*, **2022**, e2100921	4.8	2
3	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. *Macromolecules*, **2022**, 55, 65-77	5.5	2
2	Organic–inorganic hybrid nanomaterials prepared via polymerization-induced self-assembly: recent developments and future opportunities. *Polymer Chemistry*,	4.9	2
1	Exploiting Wavelength Orthogonality in Photoinitiated RAFT Dispersion Polymerization and Photografting for Monodisperse Surface-Functional Polymeric Microspheres.. *ACS Macro Letters*, **2022**, 716-722	6.6	0