

# Guolin Lu

## List of Publications by Year in descending order

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100  
papers

2,360  
citations

159358

30  
h-index

264894

42  
g-index

101  
all docs

101  
docs citations

101  
times ranked

2188  
citing authors

#	ARTICLE	IF	CITATIONS
1	PNIPAM- <i>b</i> - <i>b</i> -(PEA- <i>g</i> - <i>b</i> -PDMAEA) double hydrophilic graft copolymer: Synthesis and its application for preparation of gold nanoparticles in aqueous media. <i>Journal of Polymer Science Part A</i> , 2009, 47, 1811-1824.	2.5	121
2	Poly(acrylic acid)-graft-poly(N-vinylcaprolactam): a novel pH and thermo dual-stimuli responsive system. <i>Polymer Chemistry</i> , 2013, 4, 3876.	1.9	78
3	Synthesis of well-defined amphiphilic graft copolymer bearing poly(2-acryloyloxyethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 2009, 47, 4346-4357.	2.5	75
4	Constructing well-defined star graft copolymers. <i>Polymer Chemistry</i> , 2013, 4, 1289-1299.	1.9	74
5	A novel poly(N-vinylcaprolactam)-based well-defined amphiphilic graft copolymer synthesized by successive RAFT and ATRP. <i>Polymer Chemistry</i> , 2013, 4, 1402-1411.	1.9	73
6	Continuous and Segmented Semiconducting Fiber-like Nanostructures with Spatially Selective Functionalization by Living Crystallization-Driven Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8232-8239.	7.2	63
7	A rapid and operator-safe powder approach for latent fingerprint detection using hydrophilic Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> -CdTe nanoparticles. <i>Science China Chemistry</i> , 2019, 62, 889-896.	4.2	60
8	Self-Assembly of Amphiphilic Homopolymers Bearing Ferrocene and Carboxyl Functionalities: Effect of Polymer Concentration, $\beta$ -Cyclodextrin, and Length of Alkyl Linker. <i>Langmuir</i> , 2013, 29, 10922-10931.	1.6	54
9	Thermoresponsive PPEGMEA- <i>g</i> - <i>b</i> -PPEGEEMA well-defined double hydrophilic graft copolymer synthesized by successive SET-LRP and ATRP. <i>Journal of Polymer Science Part A</i> , 2010, 48, 647-655.	2.5	50
10	Construction of semi-fluorinated polyimides with perfluorocyclobutyl aryl ether-based side chains. <i>Polymer Chemistry</i> , 2018, 9, 920-930.	1.9	49
11	Synthesis and characterization of PNIPAM- <i>b</i> -(PEA- <i>g</i> -PDEA) double hydrophilic graft copolymer. <i>Journal of Polymer Science Part A</i> , 2008, 46, 5638-5651.	2.5	48
12	Polymer-Coated Ultrastable and Biofunctionalizable Lanthanide Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 14647-14655.	4.0	48
13	Synthesis of well-defined PNIPAM- <i>b</i> -(PEA- <i>g</i> -P2VP) double hydrophilic graft copolymer via sequential SET-LRP and ATRP and its $\alpha$ -schizophrenic-Micellization behavior in aqueous media. <i>Journal of Polymer Science Part A</i> , 2010, 48, 15-23.	2.5	47
14	Successive SET-LRP and ATRP synthesis of ferrocene-based PPEGMEA- <i>g</i> -PAEFC well-defined amphiphilic graft copolymer. <i>Journal of Polymer Science Part A</i> , 2012, 50, 811-820.	2.5	46
15	(PAA- <i>g</i> -PS)- <i>co</i> -PPEGMEMA asymmetric polymer brushes: synthesis, self-assembly, and encapsulating capacity for both hydrophobic and hydrophilic agents. <i>Polymer Chemistry</i> , 2016, 7, 613-624.	1.9	41
16	Synthesis of double hydrophilic graft copolymer containing poly(ethylene glycol) and poly(methacrylic acid) side chains via successive ATRP. <i>Journal of Polymer Science Part A</i> , 2008, 46, 4056-4069.	2.5	40
17	Synthesis of PPEGMEA- <i>g</i> -PMAA densely grafted double hydrophilic copolymer and its use as a template for the preparation of size-controlled superparamagnetic Fe <sub>3</sub> O <sub>4</sub> /polymer nano-composites. <i>Journal of Materials Chemistry</i> , 2008, 18, 4332.	6.7	40
18	Triple-stimuli-responsive ferrocene-containing homopolymers by RAFT polymerization. <i>Polymer Chemistry</i> , 2017, 8, 2773-2784.	1.9	40

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19	Covalent Organic Frameworks as Electrode Materials for Metal Ion Batteries: A Current Review. <i>Chemical Record</i> , 2020, 20, 1198-1219.	2.9	40
20	PPEGMEA-g-PDEAEMA: Double hydrophilic double-grafted copolymer stimuli-responsive to both pH and salinity. <i>Journal of Polymer Science Part A</i> , 2009, 47, 3142-3153.	2.5	39
21	Fluorenyl-Conjugated-polymer-based nanofibers through living crystallization-driven self-assembly: preparation, properties and applications. <i>Chemical Communications</i> , 2021, 57, 13259-13274.	2.2	38
22	Starlike PAA-g-PPO well-defined amphiphilic graft copolymer synthesized by ATNRC and SET-ATNRC reaction. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2084-2097.	2.5	37
23	Uniform Continuous and Segmented Nanofibers Containing a Fluorenyl-Conjugated Oligo( <i>p</i> -phenylene) Oligo( <i>p</i> -phenylene ethynylene) Chain Length. <i>Macromolecules</i> , 2020, 53, 6299-6313.	2.2	37
24	Biomimetic Asymmetric Polymer Brush Coatings Bearing Fencilike Conformation Exhibit Superior Protection and Antifouling Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 1588-1596.	4.0	36
25	Synthesis of well-defined pH-responsive PPEGMEA-g-P2VP double hydrophilic graft copolymer via sequential SET-LRP and ATRP. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4055-4064.	2.5	35
26	Construction of Nontoxic Polymeric UV-Absorber with Great Resistance to UV-Photoaging. <i>Scientific Reports</i> , 2016, 6, 25508.	1.6	35
27	Synthesis of starlike PBA-g-PEO amphiphilic graft copolymer via highly efficient Cu-catalyzed SET-ATNRC reaction at ambient temperature. <i>Journal of Polymer Science Part A</i> , 2011, 49, 23-34.	2.5	34
28	Well-defined amphiphilic graft copolymer consisting of hydrophilic poly(acrylic acid) backbone and hydrophobic poly(vinyl acetate) side chains. <i>Journal of Polymer Science Part A</i> , 2009, 47, 6032-6043.	2.5	33
29	Convenient synthesis of thermo-responsive PBA-g-PPEGMEMA well-defined amphiphilic graft copolymer without polymeric functional group transformation. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3328-3337.	2.5	33
30	Synthesis and Characterization of a Novel Perfluorocyclobutyl Aromatic Ether-Based ABA Triblock Copolymer. <i>Macromolecules</i> , 2005, 38, 7299-7305.	2.2	31
31	Synthesis of temperature and pH/CO <sub>2</sub> responsive homopolymer bearing oligo(ethylene glycol) unit and N,N-diethylamino ethyl group and its solution property. <i>Polymer</i> , 2015, 64, 268-276.	1.8	30
32	tBHBMA: a novel trifunctional acrylic monomer for the convenient synthesis of PAA-g-PCL well-defined amphiphilic graft copolymer. <i>Polymer Chemistry</i> , 2013, 4, 2864.	1.9	29
33	Oxygen and carbon dioxide dual gas-responsive homopolymers and diblock copolymers synthesized via RAFT polymerization. <i>Polymer Chemistry</i> , 2017, 8, 1163-1176.	1.9	28
34	Synthesis of $\alpha$ -helix-containing PPEGMEA-g-PBLG, well-defined amphiphilic graft copolymer, by sequential SET-LRP and ROP. <i>Polymer Chemistry</i> , 2013, 4, 4134.	1.9	27
35	A fluorescence and UV/vis absorption dual-signaling probe with aggregation-induced emission characteristics for specific detection of cysteine. <i>RSC Advances</i> , 2018, 8, 24346-24354.	1.7	26
36	SET-LRP synthesis of novel polyallene-based well-defined amphiphilic graft copolymers in acetone. <i>Polymer Chemistry</i> , 2013, 4, 3132.	1.9	25

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37	The first amphiphilic graft copolymer bearing a hydrophilic poly(2-hydroxyethyl acrylate) backbone synthesized by successive RAFT and ATRP. <i>Polymer Chemistry</i> , 2014, 5, 4915-4925.	1.9	24
38	How a Small Change of Oligo( <i>p</i> -phenylenevinylene) Chain Length Affects Self-Seeding of Oligo( <i>p</i> -phenylenevinylene)-Containing Block Copolymers. <i>Macromolecules</i> , 2020, 53, 1831-1841.	2.2	24
39	Synthesis and characterization of a novel ABA triblock copolymer via 4,4'-bis(trifluorovinyloxy)biphenyl and methyl methacrylate. <i>Journal of Polymer Science Part A</i> , 2006, 44, 5438-5444.	2.5	22
40	Antifouling Surfaces Based on Fluorine-Containing Asymmetric Polymer Brushes: Effect of Chain Length of Fluorinated Side Chain. <i>Langmuir</i> , 2019, 35, 1235-1241.	1.6	22
41	A starlike amphiphilic graft copolymer with hydrophilic poly(acrylic acid) backbones and hydrophobic polystyrene side chains. <i>Journal of Polymer Science Part A</i> , 2007, 45, 3687-3697.	2.5	21
42	Preparation and cellular uptake behaviors of uniform fiber-like micelles with length controllability and high colloidal stability in aqueous media. <i>Fundamental Research</i> , 2023, 3, 93-101.	1.6	21
43	Water-Dispersible, Colloidally Stable, Surface-Functionalizable Uniform Fiberlike Micelles Containing a $\pi$ -Conjugated Oligo( <i>p</i> -phenylenevinylene) Core of Controlled Length. <i>Macromolecules</i> , 2020, 53, 8009-8019.	2.2	20
44	Synthesis of amphiphilic ABA triblock copolymer bearing PIB and perfluorocyclobutyl aryl ether-containing segments via sequential living carbocationic polymerization and ATRP. <i>Polymer Chemistry</i> , 2014, 5, 6334-6343.	1.9	19
45	ATNRC and SET-ATNRC synthesis of $P_{t-g}$ -BA- $P_{g}$ -PEO well-defined amphiphilic graft copolymers. <i>Journal of Polymer Science Part A</i> , 2012, 50, 1890-1899.	2.5	18
46	SET-LRP synthesis of $PMHDO-g$ -PNIPAM well-defined amphiphilic graft copolymer. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1091-1098.	2.5	18
47	Ordered Honeycomb Pattern Membrane. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1767-1779.	2.6	18
48	Self-Seeding of Oligo( <i>p</i> -phenylenevinylene)- <i>b</i> -poly(2-vinylpyridine) Micelles: Effect of Metal Ions. <i>Macromolecules</i> , 2021, 54, 6705-6717.	2.2	18
49	Gold nanoparticles standing on PEG/PAMAM/thiol-functionalized nanographene oxide as aqueous catalysts. <i>Polymer Chemistry</i> , 2020, 11, 4094-4104.	1.9	17
50	PDMAEMA- <i>b</i> -PPOA- <i>b</i> -PDMAEMA double-bond-containing amphiphilic triblock copolymer: synthesis, characterization, and pH-responsive self-assembly. <i>Polymer Chemistry</i> , 2017, 8, 6628-6635.	1.9	16
51	Novel amphiphilic graft copolymers bearing hydrophilic poly(acrylic acid) backbones and hydrophobic poly(butyl methacrylate) side chains. <i>Journal of Polymer Science Part A</i> , 2006, 44, 6857-6868.	2.5	15
52	PAA- <i>g</i> -PLA amphiphilic graft copolymer: synthesis, self-assembly, and drug loading ability. <i>Polymer Chemistry</i> , 2017, 8, 4098-4107.	1.9	15
53	Fragmentation of Fiber-like Micelles with a $\pi$ -Conjugated Crystalline Oligo( <i>p</i> -phenylenevinylene) Core and a Photocleavable Corona in Water: A Matter of Density of Corona-Forming Chains. <i>Macromolecules</i> , 2020, 53, 8631-8641.	2.2	15
54	Synthesis of $PMHDO-g$ -PDEAEA well-defined amphiphilic graft copolymer via successive living coordination polymerization and SET-LRP. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1099-1106.	2.5	14

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55	Click synthesis of graphene/poly(N-(2-hydroxypropyl) methacrylamide) nanocomposite via grafting-onto strategy at ambient temperature. RSC Advances, 2014, 4, 60920-60928.	1.7	14
56	PHEA-g-PMMA Well-Defined Graft Copolymer: ATRP Synthesis, Self-Assembly, and Synchronous Encapsulation of Both Hydrophobic and Hydrophilic Guest Molecules. Scientific Reports, 2017, 7, 12601.	1.6	14
57	Novel graft copolymer containing a polyallene backbone and poly(tert-butyl acrylate) side chains. Journal of Polymer Science Part A, 2006, 44, 6888-6893.	2.5	13
58	An efficient way to tune grafting density of well-defined copolymers via an unusual bromine-containing acrylate monomer. Journal of Polymer Science Part A, 2010, 48, 2622-2630.	2.5	13
59	ATRP synthesis of polyallene-based amphiphilic triblock copolymer. Polymer Chemistry, 2017, 8, 6997-7008.	1.9	13
60	Synthesis and self-seeding behavior of oligo(p-phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (vinylene)-poly(4718-4731.	1.9	13
61	Self-Assembled Helical and Twisted Nanostructures of a Preferred Handedness from Achiral $\pi$ -Conjugated Oligo(p-phenylenevinylene) Derivatives. Langmuir, 2019, 35, 3134-3142.	1.6	13
62	Continuous and Segmented Semiconducting Fiber-like Nanostructures with Spatially Selective Functionalization by Living Crystallization-Driven Self-Assembly. Angewandte Chemie, 2020, 132, 8309-8316.	1.6	13
63	Synthesis and self-assembly of a fluorine-containing amphiphilic graft copolymer bearing a perfluorocyclobutyl aryl ether-based backbone and poly(acrylic acid) side chains. Polymer Chemistry, 2015, 6, 4309-4318.	1.9	12
64	Polyallene-based amphiphilic triblock copolymer via successive free radical polymerization and ATRP. Polymer Chemistry, 2017, 8, 7537-7545.	1.9	12
65	Synthesis of polyallene-based graft copolymer via methyl-1,2-heptadiene and styrene. Journal of Polymer Science Part A, 2007, 45, 5509-5517.	2.5	11
66	Synthesis of a well-defined polyallene-based amphiphilic graft copolymer via sequential living coordination polymerization and SET-ATRP. Journal of Polymer Science Part A, 2013, 51, 1880-1886.	2.5	11
67	Construction of PIB-b-PDEAEMA well-defined amphiphilic diblock copolymers via sequential living carbocationic and RAFT polymerization. Journal of Polymer Science Part A, 2014, 52, 1478-1486.	2.5	11
68	Application of named reactions in polymer synthesis. Science China Chemistry, 2015, 58, 1695-1709.	4.2	11
69	Constructing semi-fluorinated PDEAEMA-b-PBTFVBP-b-PDEAEMA amphiphilic triblock copolymer via successive thermal step-growth cycloaddition polymerization and ATRP. Polymer Chemistry, 2015, 6, 7881-7892.	1.9	11
70	Thermo-Responsive Graphene Oxide/Poly(Ethyl Ethylene Phosphate) Nanocomposite via Ring Opening Polymerization. Nanomaterials, 2019, 9, 207.	1.9	11
71	Mechanistic study of the formation of fiber-like micelles with a $\pi$ -conjugated oligo(p-phenylenevinylene) core. Journal of Colloid and Interface Science, 2020, 560, 50-58.	5.0	11
72	Construction of semi-fluorinated amphiphilic graft copolymer bearing a poly(2-methyl-1,4-bis(trifluoromethoxy)benzene) backbone and poly(ethylene glycol) side chains via the grafting-onto strategy. RSC Advances, 2015, 5, 39668-39676.	1.7	10

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73	Uniform Nanowires Containing a Heterogeneous Conjugated Core of Controlled Length, Composition and Morphology. <i>Chemistry - A European Journal</i> , 2021, 27, 8479-8483.	1.7	10
74	Constructing novel double-bond-containing well-defined amphiphilic graft copolymers via successive Ni-catalyzed living coordination polymerization and SET-LRP. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1942-1949.	2.5	9
75	tBCPMA: a new trifunctional acrylic monomer for convenient synthesis of a well-defined amphiphilic graft copolymer by successive RDRP. <i>Polymer Chemistry</i> , 2014, 5, 6027-6038.	1.9	9
76	Sulfur dioxide signaling molecule-responsive polymeric nanoparticles. <i>Biomaterials Science</i> , 2020, 8, 2300-2307.	2.6	9
77	A well-defined thermo- and pH-responsive double hydrophilic graft copolymer bearing pyridine-containing backbone. <i>Polymer Chemistry</i> , 2022, 13, 2791-2802.	1.9	9
78	Synthesis of PAA-g-PNVCL Graft Copolymer and Studies on Its Loading of Ornidazole. <i>Chinese Journal of Chemistry</i> , 2014, 32, 1049-1056.	2.6	8
79	The difluoromethylthio moiety lowers the LCST of oligo(ethylene glycol)-based homopolymers. <i>Polymer Chemistry</i> , 2020, 11, 5833-5843.	1.9	8
80	Fluorinated vesicles embedded with Ru-based catalysts as efficient and recyclable nanoreactors for photo-mediated aerobic oxidation. <i>Polymer Chemistry</i> , 2020, 11, 1727-1734.	1.9	8
81	Double-bond-containing polyallene-based triblock copolymers via phenoxyallene and (meth)acrylate. <i>Scientific Reports</i> , 2017, 7, 43706.	1.6	7
82	Synthesis of PS-b-PPOA-b-PS triblock copolymer via sequential free radical polymerization and ATRP. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1366-1372.	2.5	7
83	A PHEA-g-PEO well-defined graft copolymer exhibiting the synchronous encapsulation of both hydrophobic pyrene and hydrophilic Rhodamine 6G. <i>Polymer Chemistry</i> , 2017, 8, 431-440.	1.9	7
84	Graphene Oxide/Ferrocene-Containing Polymer/Gold Nanoparticle Triple Nanocomposite. <i>Nanomaterials</i> , 2019, 9, 310.	1.9	7
85	Construction of well-defined difluoromethylthio-containing amphiphilic homopolymers by RAFT polymerization. <i>Polymer Chemistry</i> , 2020, 11, 7542-7550.	1.9	7
86	Mercapto-responsive polymeric nano-carrier capable of releasing sulfur dioxide. <i>Polymer Chemistry</i> , 2021, 12, 939-946.	1.9	7
87	Synthesis of a sun-shaped amphiphilic copolymer consisting of a cyclic perfluorocyclobutyl aryl ether-based backbone and lateral PMAA side chains. <i>RSC Advances</i> , 2014, 4, 52105-52116.	1.7	6
88	Synthesis and self-assembly of PMBTFVB-g-PNIPAM fluorine-containing amphiphilic graft copolymer. <i>RSC Advances</i> , 2015, 5, 74947-74952.	1.7	6
89	Modification of polybutadiene with trifluoromethyl and clickable azide groups in one shot. <i>Polymer Chemistry</i> , 2021, 12, 5589-5597.	1.9	6
90	Main-chain PPEGMEMA-b-PBTFVPP-b-PPEGMEMA perfluorocyclobutyl aryl ether-based amphiphilic ABA triblock copolymer: synthesis and self-assembly. <i>RSC Advances</i> , 2015, 5, 77388-77398.	1.7	5

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91	Synthesis of an amphiphilic graft copolymer bearing a hydrophilic poly(acrylate acid) backbone for drug delivery of methotrexate. <i>RSC Advances</i> , 2017, 7, 54562-54569.	1.7	5
92	A new difluoromethoxyl-containing acrylate monomer for PEG-b-PDFMOEA amphiphilic diblock copolymers. <i>Polymer Chemistry</i> , 2018, 9, 5032-5042.	1.9	5
93	Derivation of Oridonin with Bioreduction-Responsive Disulfide Bond. <i>Chinese Journal of Chemistry</i> , 2014, 32, 448-453.	2.6	4
94	First polyallene-based well-defined amphiphilic diblock copolymer via RAFT polymerization. <i>Polymer Chemistry</i> , 2021, 12, 3088-3095.	1.9	4
95	Unprecedented diverse nanostructures formed by amphiphilic graft copolymer bearing PEO side chains synthesized by ATNRC. <i>Journal of Polymer Science Part A</i> , 2012, 50, 4783-4789.	2.5	3
96	Supramolecular-micelle-directed preparation of uniform magnetic nanofibers with length tunability, colloidal stability and capacity for surface functionalization. <i>Polymer Chemistry</i> , 2021, 12, 1924-1930.	1.9	3
97	Uniform fiber-like polymeric micelles of controlled length containing a photo-cleavable core: Versatile templates toward functional nanotubes. <i>European Polymer Journal</i> , 2021, 153, 110496.	2.6	3
98	Co-Self-Seeding Approach toward Uniform Fiber-Like Comicelles: Regulating Length and Distribution of Corona-Forming Chains of Comicelles by Metal Ions. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2100213.	1.1	2
99	Well-Defined Triblock Copolymer Containing Perfluorocyclobutyl Aryl Ether and Poly(acrylic acid) Segments. <i>Chinese Journal of Chemistry</i> , 2011, 29, 2791-2797.	2.6	1
100	Effect of Phosphotungstic Acid on Self-seeding of Oligo( <i>p</i> -phenylenevinylene)- <i>b</i> -poly(2-vinylpyridine). <i>Acta Chimica Sinica</i> , 2022, 80, 297.	0.5	1