

# Guojie Wang

## 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.

82 papers	2,535 citations	31 h-index	47 g-index
85 ext. papers	2,857 ext. citations	5.8 avg, IF	5.37 L-index

#	Paper	IF	Citations
82	Molecular Solar Thermal Systems towards Phase Change and Visible Light Photon Energy Storage.. <i>Small</i> , <b>2022</b> , e2107473	11	0
81	A Triple pH-Responsive AIEgen: Synthesis, Optical properties and Applications. <i>Chemical Engineering Journal</i> , <b>2021</b> , 133717	14.7	4
80	Light-Switchable Adhesion of Azobenzene-Containing Siloxane-Based Tough Adhesive. <i>ACS Applied Polymer Materials</i> , <b>2021</b> , 3, 2325-2329	4.3	7
79	Arylazopyrazole-Based Dendrimer Solar Thermal Fuels: Stable Visible Light Storage and Controllable Heat Release. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 22655-22663	9.5	12
78	NIR light-responsive nanocarriers for controlled release. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2021</b> , 47, 100420	16.4	10
77	Molecular Solar Thermal Storage Enhanced by Hyperbranched Structures. <i>Solar Rrl</i> , <b>2020</b> , 4, 1900422	7.1	10
76	Ultralong and High-Efficiency Room Temperature Phosphorescence of Organic-Phosphors-Doped Polymer Films Enhanced by 3D Network. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2001192	8.1	15
75	Photo-Responsive Fluorescent Materials with Aggregation-Induced Emission Characteristics. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2001362	8.1	22
74	Photochromic Dendrimers for Photoswitched Solid-To-Liquid Transitions and Solar Thermal Fuels. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 50135-50142	9.5	21
73	Reversibly Photoswitchable Dual-Color Fluorescence and Controlled Release Properties of Polymeric Nanoparticles. <i>Macromolecules</i> , <b>2019</b> , 52, 7130-7136	5.5	23
72	UV/Vis-NIR light-induced bending of shape-memory polyurethane composites doped with azobenzene and upconversion nanoparticles. <i>Polymer</i> , <b>2019</b> , 178, 121644	3.9	21
71	NIR-Light- and pH-Responsive Graphene Oxide Hybrid Cyclodextrin-Based Supramolecular Hydrogels. <i>Langmuir</i> , <b>2019</b> , 35, 1021-1031	4	31
70	Visible light-, pH-, and cyclodextrin-responsive azobenzene functionalized polymeric nanoparticles. <i>Dyes and Pigments</i> , <b>2019</b> , 162, 599-605	4.6	21
69	Diazonaphthoquinone-based amphiphilic polymer assemblies for NIR/UV light- and pH-responsive controlled release. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 463-471	4.9	18
68	Polymer dots of DASA-functionalized polyethyleneimine: Synthesis, visible light/pH responsiveness, and their applications as chemosensors. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 254, 385-392	8.5	33
67	NIR-responsive DNA hybridization detection by high efficient FRET from 10-nm upconversion nanoparticles to SYBR green I. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 255, 2853-2860	8.5	28
66	Host-guest self-assembly toward reversible visible-light-responsive switching for bacterial adhesion. <i>Acta Biomaterialia</i> , <b>2018</b> , 76, 39-45	10.8	26

65	Photo-switchable two-dimensional nanofluidic ionic diodes. <i>Chemical Science</i> , <b>2017</b> , 8, 4381-4386	9.4	37
64	Light-Responsive Janus-Particle-Based Coatings for Cell Capture and Release. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 1124-1128	6.6	38
63	Photodegradable polymer nanocapsules fabricated from dimethyldiethoxysilane emulsion templates for controlled release. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 6817-6823	4.9	20
62	Photo, pH and redox multi-responsive nanogels for drug delivery and fluorescence cell imaging. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 6150-6157	4.9	75
61	NIR Light-, Temperature-, pH-, and Redox-Responsive Polymer-Modified Reduced Graphene Oxide/Mesoporous Silica Sandwich-Like Nanocomposites for Controlled Release. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 29055-29062	9.5	43
60	Visible-light-responsive polymeric multilayers for trapping and release of cargoes via host-guest interactions. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 5525-5532	4.9	24
59	Light-Triggered Specific Cancer Cell Release from Cyclodextrin/Azobenzene and Aptamer-Modified Substrate. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 27360-27367	9.5	68
58	Polymer Dots of Peryleneimide-Functionalized Polyethyleneimine: Facile Synthesis and Effective Fluorescent Sensing of Iron (III) Ions. <i>Macromolecular Rapid Communications</i> , <b>2016</b> , 37, 2052-2056	4.8	11
57	Polymer nanoparticles self-assembled from photo-, pH- and thermo-responsive azobenzene-functionalized PDMAEMA. <i>RSC Advances</i> , <b>2016</b> , 6, 10904-10911	3.7	18
56	A photo, temperature, and pH responsive spiropyran-functionalized polymer: Synthesis, self-assembly and controlled release. <i>Polymer</i> , <b>2016</b> , 83, 85-91	3.9	78
55	Visible Light and pH Responsive Polymer-Coated Mesoporous Silica Nanohybrids for Controlled Release. <i>Macromolecular Bioscience</i> , <b>2016</b> , 16, 990-4	5.5	35
54	Photoswitched Cell Adhesion on Azobenzene-Containing Self-Assembled Films. <i>ChemPhysChem</i> , <b>2016</b> , 17, 2503-8	3.2	22
53	Nanocomposites of Spiropyran-Functionalized Polymers and Upconversion Nanoparticles for Controlled Release Stimulated by Near-Infrared Light and pH. <i>Macromolecules</i> , <b>2016</b> , 49, 7490-7496	5.5	67
52	Selective Release of Hydrophobic and Hydrophilic Cargos from Multi-Stimuli-Responsive Nanogels. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 28888-28896	9.5	60
51	Photo, pH, and thermo triple-responsive spiropyran-based copolymer nanoparticles for controlled release. <i>Chemical Communications</i> , <b>2015</b> , 51, 12633-6	5.8	95
50	Dual stimulus responsive drug release under the interaction of pH value and pulsatile electric field for a bacterial cellulose/sodium alginate/multi-walled carbon nanotube hybrid hydrogel. <i>RSC Advances</i> , <b>2015</b> , 5, 41820-41829	3.7	36
49	Micellar assembly of a photo- and temperature-responsive amphiphilic block copolymer for controlled release. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 7995-8002	4.9	45
48	Light-Triggered Responsive Janus Composite Nanosheets. <i>Macromolecules</i> , <b>2015</b> , 48, 7256-7261	5.5	40

47	Protein adsorption behaviors of carboxymethylated bacterial cellulose membranes. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 73, 264-9	7.9	29
46	Labeling-free fluorescent detection of DNA hybridization through FRET from pyrene excimer to DNA intercalator SYBR green I. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 65, 103-7	11.8	26
45	Photo- and pH-responsive Electrospun Polymer Films: Wettability and Protein Adsorption Characteristics. <i>Chemistry Letters</i> , <b>2015</b> , 44, 1368-1370	1.7	1
44	A visible light responsive azobenzene-functionalized polymer: Synthesis, self-assembly, and photoresponsive properties. <i>Journal of Polymer Science Part A</i> , <b>2015</b> , 53, 2768-2775	2.5	38
43	Polymer nanoparticles for controlled release stimulated by visible light and pH. <i>Macromolecular Rapid Communications</i> , <b>2014</b> , 35, 1255-9	4.8	32
42	Effect of selective oxidation of bacterial cellulose on degradability in phosphate buffer solution and their affinity for epidermal cell attachment. <i>RSC Advances</i> , <b>2014</b> , 4, 60749-60756	3.7	9
41	Label-Free DNA Sequence Detection through FRET from a Fluorescent Polymer with Pyrene Excimer to SG. <i>ACS Macro Letters</i> , <b>2014</b> , 3, 845-848	6.6	10
40	Fluorescence detection of DNA hybridization based on the aggregation-induced emission of a perylene-functionalized polymer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 11136-41	9.5	33
39	pH- and electro-response characteristics of bacterial cellulose nanofiber/sodium alginate hybrid hydrogels for dual controlled drug delivery. <i>RSC Advances</i> , <b>2014</b> , 4, 47056-47065	3.7	118
38	Fluorescence Quenching of Hen Egg Lysozyme and Bovine Serum Albumin by Azobenzene Polymer at Different pH. <i>Chemistry Letters</i> , <b>2014</b> , 43, 1499-1501	1.7	
37	Triple stimuli-responsive polymers based on pyrene-functionalized poly(dimethylaminoethyl methacrylate): synthesis, self-assembled nanoparticles and controlled release. <i>Colloid and Polymer Science</i> , <b>2014</b> , 292, 2735-2744	2.4	8
36	Quadruple-Stimuli-Sensitive Polymeric Nanocarriers for Controlled Release under Combined Stimulation. <i>Macromolecules</i> , <b>2014</b> , 47, 8777-8783	5.5	87
35	Triple stimuli-responsive crosslinked polymeric nanoparticles for controlled release. <i>RSC Advances</i> , <b>2014</b> , 4, 35757	3.7	18
34	Polymer nanoparticles based on pyrene-functionalized poly(acrylic acid) for controlled release under photo and pH stimulation. <i>Macromolecular Rapid Communications</i> , <b>2014</b> , 35, 721-6	4.8	30
33	Nanoparticle assembly of a photo- and pH-responsive random azobenzene copolymer. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 421, 15-21	9.3	37
32	Multi-responsive nitrobenzene-based amphiphilic random copolymer assemblies. <i>Chemical Communications</i> , <b>2013</b> , 49, 3516-8	5.8	57
31	Multiple stimuli-responsive polymeric micelles for controlled release. <i>Soft Matter</i> , <b>2013</b> , 9, 370-373	3.6	99
30	Detection of DNA hybridization by a pyrene-labeled polyelectrolyte prepared by ATRP. <i>Polymer</i> , <b>2013</b> , 54, 297-302	3.9	6

29	Synthesis and fluorescence study of a pyrene-functionalized poly(4-vinylpyridine) quaternary ammonium for detection of DNA hybridization. <i>Polymer</i> , <b>2013</b> , 54, 1289-1294	3.9	9
28	Photocontrolled phase transitions and reflection behaviors of smectic liquid crystals by a chiral azobenzene. <i>ChemPhysChem</i> , <b>2012</b> , 13, 3812-8	3.2	10
27	Synthesis and fluorescence study of a quaternized copolymer containing pyrene for DNA-hybridization detection. <i>ChemPhysChem</i> , <b>2012</b> , 13, 4099-104	3.2	8
26	Photoresponsive molecular switches for biotechnology. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2012</b> , 13, 299-309	16.4	66
25	Photoresponsive behaviors of smectic liquid crystals tuned by an azobenzene chromophore. <i>RSC Advances</i> , <b>2012</b> , 2, 487-493	3.7	22
24	Reversible reflection color-control in smectic liquid crystal switched by photo-isomerization of azobenzene. <i>ChemPhysChem</i> , <b>2012</b> , 13, 1425-8	3.2	11
23	Photoswitched protein adsorption on electrostatically self-assembled azobenzene films. <i>ChemPhysChem</i> , <b>2012</b> , 13, 2671-5	3.2	14
22	Drug delivery systems for differential release in combination therapy. <i>Expert Opinion on Drug Delivery</i> , <b>2011</b> , 8, 171-90	8	72
21	Fluorescence study of interaction between an anionic conjugated polyelectrolyte and bovine serum albumin. <i>Polymer Bulletin</i> , <b>2011</b> , 67, 1907-1915	2.4	6
20	Controllable properties and microstructure of hydrogels based on crosslinked poly(ethylene glycol) diacrylates with different molecular weights. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 531-540	2.9	47
19	A carboxylic acid-functionalized polyfluorene as fluorescent probe for protein sensing. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 3541-3546	2.9	8
18	Synthesis and properties of a triphenyleneButadiynylene macrocycle. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 1404-1415		15
17	Low swelling hyperbranched poly(amine-ester) hydrogels for pH-modulated differential release of anticancer drugs. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 13530		30
16	Optical and electrochemical investigation of diaminonaphthalene derivatives. <i>Synthetic Metals</i> , <b>2010</b> , 160, 599-603	3.6	3
15	Photoinduced Phase Transitions in Chiral Binaphthyl-diol-doped Smectic Liquid Crystals by a Photochromic Azobenzene. <i>Chemistry Letters</i> , <b>2010</b> , 39, 1144-1145	1.7	8
14	Layer-By-Layer Dendritic Growth of Hyperbranched Thin Films for Surface Sol-Gel Syntheses of Conformal, Functional, Nanocrystalline Oxide Coatings on Complex 3D (Bio)silica Templates. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 2768-2776	15.6	53
13	Detection of RNA hybridization by pyrene-labeled probes. <i>ChemBioChem</i> , <b>2009</b> , 10, 1175-85	3.8	30
12	Rigid tetracatenar liquid crystals derived from 1,10-phenanthroline. <i>Soft Matter</i> , <b>2008</b> , 4, 2172	3.6	32

11	Behavior of binary alcohol mixtures adsorbed on graphite using calorimetry and scanning tunneling microscopy. <i>Langmuir</i> , <b>2008</b> , 24, 2501-8	4	16
10	Dendritic nucleotides: interaction with an aliphatic acid monolayer. <i>Chemistry and Biodiversity</i> , <b>2008</b> , 5, 1675-82	2.5	0
9	Thin, conformal, and continuous SnO <sub>2</sub> coatings on three-dimensional biosilica templates through hydroxy-group amplification and layer-by-layer alkoxide deposition. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 5724-7	16.4	64
8	Photoswitched wettability on inverse opal modified by a self-assembled azobenzene monolayer. <i>ChemPhysChem</i> , <b>2006</b> , 7, 575-8	3.2	40
7	Photo-switched wettability on an electrostatic self-assembly azobenzene monolayer. <i>Chemical Communications</i> , <b>2005</b> , 3550-2	5.8	162
6	Self-assembly and optical properties of poly(acrylic acid)-based azo polyelectrolyte. <i>Thin Solid Films</i> , <b>2004</b> , 458, 143-148	2.2	7
5	A novel hyperbranched polyester functionalized with azo chromophore: synthesis and photoresponsive properties. <i>Polymer Bulletin</i> , <b>2002</b> , 49, 1-8	2.4	24
4	A Novel Polyelectrolyte with Branched Azo Side Chains: Synthesis, Characterization and Self-Assembled Nanostructures. <i>Macromolecular Chemistry and Physics</i> , <b>2001</b> , 202, 3530-3535	2.6	13
3	Soluble conjugated copolymers based on poly(1,4-phenylenevinylene). <i>Polymer</i> , <b>2000</b> , 41, 2309-2312	3.9	7
2	Effect of Molecular Symmetry on Fused-Ring Electron Acceptors. <i>Solar Rrl</i> , 2100797	7.1	1
1	Multifunctional Optical Polymeric Films with Photochromic, Fluorescent, and Ultra-Long Room Temperature Phosphorescent Properties. <i>Advanced Optical Materials</i> , 2101266	8.1	5