

Guojie Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7142574/publications.pdf>

Version: 2024-02-01

82
papers

3,190
citations

109321

35
h-index

168389

53
g-index

85
all docs

85
docs citations

85
times ranked

4464
citing authors

#	ARTICLE	IF	CITATIONS
1	Photo-switched wettability on an electrostatic self-assembly azobenzene monolayer. <i>Chemical Communications</i> , 2005, , 3550.	4.1	182
2	pH- and electro-response characteristics of bacterial cellulose nanofiber/sodium alginate hybrid hydrogels for dual controlled drug delivery. <i>RSC Advances</i> , 2014, 4, 47056-47065.	3.6	145
3	Photo, pH, and thermo triple-responsive spiropyran-based copolymer nanoparticles for controlled release. <i>Chemical Communications</i> , 2015, 51, 12633-12636.	4.1	115
4	Multiple stimuli-responsive polymeric micelles for controlled release. <i>Soft Matter</i> , 2013, 9, 370-373.	2.7	104
5	A photo, temperature, and pH responsive spiropyran-functionalized polymer: Synthesis, self-assembly and controlled release. <i>Polymer</i> , 2016, 83, 85-91.	3.8	97
6	Quadruple-Stimuli-Sensitive Polymeric Nanocarriers for Controlled Release under Combined Stimulation. <i>Macromolecules</i> , 2014, 47, 8777-8783.	4.8	96
7	Photo, pH and redox multi-responsive nanogels for drug delivery and fluorescence cell imaging. <i>Polymer Chemistry</i> , 2017, 8, 6150-6157.	3.9	96
8	Light-Triggered Specific Cancer Cell Release from Cyclodextrin/Azobenzene and Aptamer-Modified Substrate. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27360-27367.	8.0	88
9	Nanocomposites of Spiropyran-Functionalized Polymers and Upconversion Nanoparticles for Controlled Release Stimulated by Near-Infrared Light and pH. <i>Macromolecules</i> , 2016, 49, 7490-7496.	4.8	85
10	Drug delivery systems for differential release in combination therapy. <i>Expert Opinion on Drug Delivery</i> , 2011, 8, 171-190.	5.0	83
11	Photoresponsive molecular switches for biotechnology. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2012, 13, 299-309.	11.6	79
12	Selective Release of Hydrophobic and Hydrophilic Cargos from Multi-Stimuli-Responsive Nanogels. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28888-28896.	8.0	72
13	Thin, Conformal, and Continuous SnO ₂ Coatings on Three-Dimensional Biosilica Templates through Hydroxy-Group Amplification and Layer-By-Layer Alkoxide Deposition. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5724-5727.	13.8	68
14	Controllable properties and microstructure of hydrogels based on crosslinked poly(ethylene glycol) diacrylates with different molecular weights. <i>Journal of Applied Polymer Science</i> , 2011, 121, 531-540.	2.6	65
15	Multi-responsive nitrobenzene-based amphiphilic random copolymer assemblies. <i>Chemical Communications</i> , 2013, 49, 3516.	4.1	62
16	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> , 2009, 19, 2768-2776.	14.9	55
17	NIR Light-, Temperature-, pH-, and Redox-Responsive Polymer-Modified Reduced Graphene Oxide/Mesoporous Silica Sandwich-Like Nanocomposites for Controlled Release. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29055-29062.	8.0	54
18	Micellar assembly of a photo- and temperature-responsive amphiphilic block copolymer for controlled release. <i>Polymer Chemistry</i> , 2015, 6, 7995-8002.	3.9	53

#	ARTICLE	IF	CITATIONS
19	Photo-switchable two-dimensional nanofluidic ionic diodes. <i>Chemical Science</i> , 2017, 8, 4381-4386.	7.4	50
20	Photo-Responsive Fluorescent Materials with Aggregation-Induced Emission Characteristics. <i>Advanced Optical Materials</i> , 2020, 8, 2001362.	7.3	50
21	Light-Triggered Responsive Janus Composite Nanosheets. <i>Macromolecules</i> , 2015, 48, 7256-7261.	4.8	49
22	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> , 2015, 5, 41820-41829.	3.6	47
23	Ultralong and High-Efficiency Room Temperature Phosphorescence of Organic-Phosphors-Doped Polymer Films Enhanced by 3D Network. <i>Advanced Optical Materials</i> , 2020, 8, 2001192.	7.3	47
24	Polymer dots of DASA-functionalized polyethyleneimine: Synthesis, visible light/pH responsiveness, and their applications as chemosensors. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 385-392.	7.8	46
25	Photoswitched Wettability on Inverse Opal Modified by a Self-Assembled Azobenzene Monolayer. <i>ChemPhysChem</i> , 2006, 7, 575-578.	2.1	43
26	Nanoparticle assembly of a photo- and pH-responsive random azobenzene copolymer. <i>Journal of Colloid and Interface Science</i> , 2014, 421, 15-21.	9.4	43
27	Protein adsorption behaviors of carboxymethylated bacterial cellulose membranes. <i>International Journal of Biological Macromolecules</i> , 2015, 73, 264-269.	7.5	43
28	Light-Responsive Janus-Particle-Based Coatings for Cell Capture and Release. <i>ACS Macro Letters</i> , 2017, 6, 1124-1128.	4.8	43
29	NIR light-responsive nanocarriers for controlled release. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2021, 47, 100420.	11.6	43
30	A visible light responsive azobenzene-functionalized polymer: Synthesis, self-assembly, and photoresponsive properties. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2768-2775.	2.3	42
31	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> , 2018, 255, 2853-2860.	7.8	41
32	Photochromic Dendrimers for Photoswitched Solid-To-Liquid Transitions and Solar Thermal Fuels. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50135-50142.	8.0	41
33	Visible Light and pH Responsive Polymer-Coated Mesoporous Silica Nanohybrids for Controlled Release. <i>Macromolecular Bioscience</i> , 2016, 16, 990-994.	4.1	40
34	Host-guest self-assembly toward reversible visible-light-responsive switching for bacterial adhesion. <i>Acta Biomaterialia</i> , 2018, 76, 39-45.	8.3	38
35	NIR-Light- and pH-Responsive Graphene Oxide Hybrid Cyclodextrin-Based Supramolecular Hydrogels. <i>Langmuir</i> , 2019, 35, 1021-1031.	3.5	38
36	Polymer Nanoparticles for Controlled Release Stimulated by Visible Light and pH. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1255-1259.	3.9	35

#	ARTICLE	IF	CITATIONS
37	Fluorescence Detection of DNA Hybridization Based on the Aggregation-Induced Emission of a Perylene-Functionalized Polymer. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11136-11141.	8.0	35
38	Rigid tetracatenar liquid crystals derived from 1,10-phenanthroline. <i>Soft Matter</i> , 2008, 4, 2172.	2.7	34
39	Polymer Nanoparticles Based on Pyrene-Functionalized Poly(acrylic acid) for Controlled Release under Photo and pH Stimulation. <i>Macromolecular Rapid Communications</i> , 2014, 35, 721-726.	3.9	34
40	UV-Vis-NIR light-induced bending of shape-memory polyurethane composites doped with azobenzene and upconversion nanoparticles. <i>Polymer</i> , 2019, 178, 121644.	3.8	34
41	Reversibly Photoswitchable Dual-Color Fluorescence and Controlled Release Properties of Polymeric Nanoparticles. <i>Macromolecules</i> , 2019, 52, 7130-7136.	4.8	33
42	Arylazopyrazole-Based Dendrimer Solar Thermal Fuels: Stable Visible Light Storage and Controllable Heat Release. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22655-22663.	8.0	33
43	Detection of RNA Hybridization by Pyrene-Labeled Probes. <i>ChemBioChem</i> , 2009, 10, 1175-1185.	2.6	32
44	Visible-light-responsive polymeric multilayers for trapping and release of cargoes via host-guest interactions. <i>Polymer Chemistry</i> , 2017, 8, 5525-5532.	3.9	31
45	Low swelling hyperbranched poly(amine-ester) hydrogels for pH-modulated differential release of anticancer drugs. <i>Journal of Materials Chemistry</i> , 2011, 21, 13530.	6.7	30
46	Visible light-, pH-, and cyclodextrin-responsive azobenzene functionalized polymeric nanoparticles. <i>Dyes and Pigments</i> , 2019, 162, 599-605.	3.7	30
47	Labeling-free fluorescent detection of DNA hybridization through FRET from pyrene excimer to DNA intercalator SYBR green I. <i>Biosensors and Bioelectronics</i> , 2015, 65, 103-107.	10.1	26
48	Photoswitched Cell Adhesion on Azobenzene-Containing Self-Assembled Films. <i>ChemPhysChem</i> , 2016, 17, 2503-2508.	2.1	26
49	Photodegradable polymer nanocapsules fabricated from dimethyldiethoxysilane emulsion templates for controlled release. <i>Polymer Chemistry</i> , 2017, 8, 6817-6823.	3.9	26
50	Multifunctional Optical Polymeric Films with Photochromic, Fluorescent, and Ultra-Long Room Temperature Phosphorescent Properties. <i>Advanced Optical Materials</i> , 2021, 9, 2101266.	7.3	26
51	A novel hyperbranched polyester functionalized with azo chromophore: synthesis and photoresponsive properties. <i>Polymer Bulletin</i> , 2002, 49, 1-8.	3.3	25
52	Photoresponsive behaviors of smectic liquid crystals tuned by an azobenzene chromophore. <i>RSC Advances</i> , 2012, 2, 487-493.	3.6	22
53	Triple stimuli-responsive crosslinked polymeric nanoparticles for controlled release. <i>RSC Advances</i> , 2014, 4, 35757.	3.6	22
54	Polymer nanoparticles self-assembled from photo-, pH- and thermo-responsive azobenzene-functionalized PDMAEMA. <i>RSC Advances</i> , 2016, 6, 10904-10911.	3.6	21

#	ARTICLE	IF	CITATIONS
55	Diazonaphthoquinone-based amphiphilic polymer assemblies for NIR/UV light- and pH-responsive controlled release. <i>Polymer Chemistry</i> , 2018, 9, 463-471.	3.9	21
56	Molecular Solar Thermal Systems towards Phase Change and Visible Light Photon Energy Storage. <i>Small</i> , 2022, 18, e2107473.	10.0	21
57	Molecular Solar Thermal Storage Enhanced by Hyperbranched Structures. <i>Solar Rrl</i> , 2020, 4, 1900422.	5.8	19
58	A triple pH-responsive AIEgen: Synthesis, optical properties and applications. <i>Chemical Engineering Journal</i> , 2022, 431, 133717.	12.7	18
59	Photoswitched Protein Adsorption on Electrostatically Self-Assembled Azobenzene Films. <i>ChemPhysChem</i> , 2012, 13, 2671-2675.	2.1	17
60	Behavior of Binary Alcohol Mixtures Adsorbed on Graphite Using Calorimetry and Scanning Tunneling Microscopy. <i>Langmuir</i> , 2008, 24, 2501-2508.	3.5	16
61	Synthesis and properties of a triphenylene-butadiynylene macrocycle. <i>Journal of Materials Chemistry</i> , 2011, 21, 1404-1415.	6.7	16
62	Light-Switchable Adhesion of Azobenzene-Containing Siloxane-Based Tough Adhesive. <i>ACS Applied Polymer Materials</i> , 2021, 3, 2325-2329.	4.4	15
63	A Novel Polyelectrolyte with Branched Azo Side Chains: Synthesis, Characterization and Self-Assembled Nanostructures. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 3530-3535.	2.2	14
64	Label-Free DNA Sequence Detection through FRET from a Fluorescent Polymer with Pyrene Excimer to SG. <i>ACS Macro Letters</i> , 2014, 3, 845-848.	4.8	12
65	Polymer Dots of Peryleneimide-Functionalized Polyethyleneimine: Facile Synthesis and Effective Fluorescent Sensing of Iron (III) Ions. <i>Macromolecular Rapid Communications</i> , 2016, 37, 2052-2056.	3.9	12
66	Reversible Reflection Color Control in Smectic Liquid Crystal Switched by Photoisomerization of Azobenzene. <i>ChemPhysChem</i> , 2012, 13, 1425-1428.	2.1	11
67	Effect of selective oxidation of bacterial cellulose on degradability in phosphate buffer solution and their affinity for epidermal cell attachment. <i>RSC Advances</i> , 2014, 4, 60749-60756.	3.6	11
68	Photocontrolled Phase Transitions and Reflection Behaviors of Smectic Liquid Crystals by a Chiral Azobenzene. <i>ChemPhysChem</i> , 2012, 13, 3812-3818.	2.1	10
69	Self-assembly and optical properties of poly(acrylic acid)-based azo polyelectrolyte. <i>Thin Solid Films</i> , 2004, 458, 143-148.	1.8	9
70	Synthesis and fluorescence study of a pyrene-functionalized poly(4-vinylpyridine) quaternary ammonium for detection of DNA hybridization. <i>Polymer</i> , 2013, 54, 1289-1294.	3.8	9
71	Triple stimuli-responsive polymers based on pyrene-functionalized poly(dimethylaminoethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf <i>Science</i> , 2014, 292, 2735-2744.	2.1	9
72	Photoinduced Phase Transitions in Chiral Binaphthyl-diol-doped Smectic Liquid Crystals by a Photochromic Azobenzene. <i>Chemistry Letters</i> , 2010, 39, 1144-1145.	1.3	8

#	ARTICLE	IF	CITATIONS
73	A carboxylic acid- ϵ -functionalized polyfluorene as fluorescent probe for protein sensing. <i>Journal of Applied Polymer Science</i> , 2011, 121, 3541-3546.	2.6	8
74	Synthesis and Fluorescence Study of a Quaternized Copolymer Containing Pyrene for DNA- ϵ -Hybridization Detection. <i>ChemPhysChem</i> , 2012, 13, 4099-4104.	2.1	8
75	Soluble conjugated copolymers based on poly(1,4-phenylenevinylene). <i>Polymer</i> , 2000, 41, 2309-2312.	3.8	7
76	Detection of DNA hybridization by a pyrene-labeled polyelectrolyte prepared by ATRP. <i>Polymer</i> , 2013, 54, 297-302.	3.8	7
77	Fluorescence study of interaction between an anionic conjugated polyelectrolyte and bovine serum albumin. <i>Polymer Bulletin</i> , 2011, 67, 1907-1915.	3.3	6
78	Optical and electrochemical investigation of diamionaphthalene derivatives. <i>Synthetic Metals</i> , 2010, 160, 599-603.	3.9	3
79	Effect of Molecular Symmetry on Fused-Ring Electron Acceptors. <i>Solar Rrl</i> , 2022, 6, 2100797.	5.8	3
80	Dendritic Nucleotides: Interaction with an Aliphatic Acid Monolayer. <i>Chemistry and Biodiversity</i> , 2008, 5, 1675-1682.	2.1	1
81	Photo- and pH-responsive Electrospun Polymer Films: Wettability and Protein Adsorption Characteristics. <i>Chemistry Letters</i> , 2015, 44, 1368-1370.	1.3	1
82	Fluorescence Quenching of Hen Egg Lysozyme and Bovine Serum Albumin by Azobenzene Polymer at Different pH. <i>Chemistry Letters</i> , 2014, 43, 1499-1501.	1.3	0