

# Yaning He

## List of Publications by Year in descending order

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60  
papers

2,006  
citations

218677

26  
h-index

243625

44  
g-index

61  
all docs

61  
docs citations

61  
times ranked

2008  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoinduced Deformation of Amphiphilic Azo Polymer Colloidal Spheres. <i>Journal of the American Chemical Society</i> , 2005, 127, 2402-2403.	13.7	264
2	Fabricating Super-Hydrophobic Lotus-Leaf-Like Surfaces through Soft-Lithographic Imprinting. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1859-1864.	3.9	129
3	Azobenzene-Containing Supramolecular Side-Chain Polymer Films for Laser-Induced Surface Relief Gratings. <i>Chemistry of Materials</i> , 2007, 19, 3877-3881.	6.7	105
4	Epoxy-based azo polymers: synthesis, characterization and photoinduced surface-relief-gratings. <i>Polymer</i> , 2002, 43, 7325-7333.	3.8	104
5	Azobenzene-Containing Supramolecular Polymer Films for Laser-Induced Surface Relief Gratings. <i>Chemistry of Materials</i> , 2007, 19, 14-17.	6.7	93
6	Hyperbranched Azo-Polymers Synthesized by Azo-Coupling Reaction of an AB <sub>2</sub> Monomer and Postpolymerization Modification. <i>Macromolecules</i> , 2005, 38, 8657-8663.	4.8	86
7	Fast Photoinduced Large Deformation of Colloidal Spheres from a Novel 4-arm Azobenzene Compound. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 16889-16895.	8.0	74
8	Hexabenzocoronene Graphitic Nanotube Appended with Dithienylethene Pendants: Photochromism for the Modulation of Photoconductivity. <i>Advanced Materials</i> , 2010, 22, 829-832.	21.0	70
9	Duplication of Photoinduced Azo Polymer Surface-Relief Gratings through a Soft Lithographic Approach. <i>Langmuir</i> , 2006, 22, 7405-7410.	3.5	56
10	Sequentially Adsorbed Electrostatic Multilayers of Branched Side-Chain Polyelectrolytes Bearing Donor-Acceptor Type Azo Chromophores. <i>Macromolecules</i> , 2004, 37, 135-146.	4.8	48
11	Polystyrene Based Visible Light Responsive Polymer with Donor-Acceptor Stenhouse Adduct Pendants. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2409-2414.	2.2	47
12	Synthesis and Characterization of Photoprocessable Lignin-Based Azo Polymer. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4036-4042.	6.7	47
13	Azo Coupling Reaction Induced Macromolecular Self-Assembly in Aqueous Solution. <i>ACS Macro Letters</i> , 2018, 7, 437-441.	4.8	41
14	Remote-control photocycloreversion of dithienylethene driven by strong push-pull azo chromophores. <i>Chemical Communications</i> , 2013, 49, 5556.	4.1	38
15	Synthesis of block copolymers via the combination of RAFT and a macromolecular azo coupling reaction. <i>Polymer Chemistry</i> , 2013, 4, 402-406.	3.9	38
16	Activatable AIE Dots for Tumor Hypoxia Imaging. <i>Chemistry - A European Journal</i> , 2019, 25, 9634-9638.	3.3	36
17	Azo Polymer Colloidal Spheres Containing Different Amounts of Functional Groups and Their Photoinduced Deformation Behavior. <i>Langmuir</i> , 2008, 24, 678-682.	3.5	35
18	Synthesizing amphiphilic block copolymers through macromolecular azo-coupling reaction. <i>Chemical Communications</i> , 2012, 48, 1036-1038.	4.1	33

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19	Visible light triggered aggregation-induced emission switching with a donor-acceptor Stenhouse adduct. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8538-8545.	5.5	33
20	Superhydrophobic lotus-leaf-like surface made from reduced graphene oxide through soft-lithographic duplication. <i>RSC Advances</i> , 2020, 10, 5478-5486.	3.6	33
21	Dendritic azo compounds as a new type amorphous molecular material with quick photoinduced surface-relief-grating formation ability. <i>Optical Materials</i> , 2008, 31, 18-27.	3.6	32
22	Azo Polymer Microspherical Cap Array: Soft-Lithographic Fabrication and Photoinduced Shape Deformation Behavior. <i>Langmuir</i> , 2007, 23, 11266-11272.	3.5	31
23	Amphiphilic Diblock Copolymer with Dithienylethene Pendants: Synthesis and Photo-Modulated Self-Assembly. <i>Macromolecular Rapid Communications</i> , 2011, 32, 977-982.	3.9	30
24	Effect of molecular parameters on thermomechanical behavior of side-on nematic liquid crystal elastomers. <i>Polymer</i> , 2013, 54, 5321-5329.	3.8	28
25	Strategies for Tumor Hypoxia Imaging Based on Aggregation-Induced Emission Fluorogens. <i>Chemistry - A European Journal</i> , 2020, 26, 2521-2528.	3.3	28
26	Epoxy-based polymers containing methyl-substituted azobenzene chromophores and photoinduced surface relief gratings. <i>European Polymer Journal</i> , 2006, 42, 292-301.	5.4	27
27	In situ construction of a self-assembled AIE probe for tumor hypoxia imaging. <i>Nanoscale</i> , 2020, 12, 7509-7513.	5.6	26
28	Synthesis of side-on liquid crystalline diblock copolymers through macromolecular azo coupling reaction. <i>European Polymer Journal</i> , 2015, 69, 584-591.	5.4	25
29	Synthesis of Y-shaped amphiphilic copolymers by macromolecular azo coupling reaction. <i>RSC Advances</i> , 2015, 5, 9476-9481.	3.6	23
30	Redox triggered aggregation induced emission (AIE) polymers with azobenzene pendants. <i>Dyes and Pigments</i> , 2018, 157, 290-297.	3.7	23
31	Fabrication of Photoprocessible Azo Polymer Microwires through a Soft Lithographic Approach. <i>Langmuir</i> , 2006, 22, 10233-10237.	3.5	22
32	The photoinduced surface-relief-grating formation behavior of side-chain azo polymers with narrow Mr distribution. <i>Dyes and Pigments</i> , 2009, 82, 286-292.	3.7	21
33	Nunchaku-like molecules containing both an azo chromophore and a biphenylene unit as a new type of high-sensitivity photo-storage material. <i>Journal of Materials Chemistry</i> , 2010, 20, 10680.	6.7	21
34	Enzyme responsive self-assembled amphiphilic diblock copolymer synthesized by the combination of NMP and macromolecular azo coupling reaction. <i>European Polymer Journal</i> , 2016, 84, 236-244.	5.4	20
35	Photoswitchable aggregation-induced emission polymer containing dithienylethene and tetraphenylethene moieties. <i>RSC Advances</i> , 2016, 6, 12647-12651.	3.6	20
36	Synthesis, self-assembly and photoinduced surface-relief gratings of a polyacrylate-based Azo polyelectrolyte. <i>Optical Materials</i> , 2004, 26, 89-93.	3.6	19

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37	Synthesizing Hyperbranched Azo Polymer through Azo-coupling Reaction. <i>Chemistry Letters</i> , 2004, 33, 22-23.	1.3	19
38	Photoinduced orientation and cooperative motion of three epoxy-based azo polymers. <i>Polymer Bulletin</i> , 2012, 68, 1731-1746.	3.3	18
39	Diblock copolymers composed of a liquid crystalline azo block and a poly(dimethylsiloxane) block: synthesis, morphology and photoresponsive properties. <i>RSC Advances</i> , 2014, 4, 58386-58396.	3.6	18
40	NIR light and enzyme dual stimuli-responsive amphiphilic diblock copolymer assemblies. <i>Journal of Polymer Science Part A</i> , 2017, 55, 2450-2457.	2.3	18
41	Hypoxia-Triggered In Situ Self-Assembly of a Charge Switchable Azo Polymer with AIEgens for Tumor Imaging. <i>ACS Macro Letters</i> , 2021, 10, 702-707.	4.8	17
42	Liquid-crystalline compounds containing both a strong push-pull azo chromophore and a cholesteryl unit as photoresponsive molecular glass materials. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10925-10933.	5.5	14
43	Synthesis and characterization of water-soluble PEGylated lignin-based polymers by macromolecular azo coupling reaction. <i>Chinese Chemical Letters</i> , 2018, 29, 143-146.	9.0	14
44	Photocleavable amphiphilic diblock copolymer with an azobenzene linkage. <i>RSC Advances</i> , 2016, 6, 57227-57231.	3.6	13
45	An Enzyme-Activable Noncovalent Fluorescent Probe Based on Water Soluble Azobenzene Containing Polymer and AIEgen. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000126.	2.2	13
46	Photoresponsive layer-by-layer ultrathin films prepared from a hyperbranched azobenzene-containing polymeric diazonium salt. <i>Thin Solid Films</i> , 2009, 517, 2055-2062.	1.8	9
47	Fabrication of fluorescent surface relief patterns using AIE polymer through a soft lithographic approach. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1838-1845.	2.1	8
48	Synthesis, characterization, and photoresponsive properties of Y-shaped amphiphilic azo triblock copolymer. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	8
49	Design of activatable red-emissive assay for cysteine detection in aqueous medium with aggregation induced emission characteristics. <i>Chinese Chemical Letters</i> , 2021, 32, 932-937.	9.0	6
50	Synthesis, characterization and visible light activated fluorescence of azo caged aggregation-induced emission polymers. <i>Dyes and Pigments</i> , 2019, 170, 107569.	3.7	5
51	Hypoxia-Activated Fluorescent Probe Based on Self-Immolative Block Copolymer. <i>Macromolecular Bioscience</i> , 2022, 22, e2100417.	4.1	5
52	Synthesis of Hyperbranched Azo-polymer-grafted Graphene Oxide Hybrid. <i>Chemistry Letters</i> , 2012, 41, 430-431.	1.3	4
53	Hydrophilization of Polyurethane Foam Carriers in MBBR with Hyperbranched Polymeric Diazonium Salts. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 844-848.	2.6	4
54	Photoinduced dichroism and surface-relief-gratings of hyperbranched azo polymers synthesized by azo-coupling reaction. <i>Frontiers of Chemical Engineering in China</i> , 2007, 1, 360-364.	0.6	2

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55	Polyimide liquid crystal alignment layers prepared by soft-lithography. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2007, 2, 318-321.	0.4	2
56	Synthesis, liquid crystalline mesophases and morphologies of diblock copolymers composed of a poly(dimethylsiloxane) block and a nematic liquid crystalline block. <i>Liquid Crystals</i> , 2016, 43, 1682-1692.	2.2	2
57	Epoxy-based Polymer Containing Imidazole-type Azo Chromophores for Integrated Waveguide Applications. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 1167-1171.	2.2	1
58	Hyperbranched azo polyurethane synthesized through A2+B3 scheme. <i>Frontiers of Chemical Engineering in China</i> , 2008, 2, 123-126.	0.6	0
59	Frontispiece: Strategies for Tumor Hypoxia Imaging Based on Aggregation-Induced Emission Fluorogens. <i>Chemistry - A European Journal</i> , 2020, 26, .	3.3	0
60	SPIN SELF-ASSEMBLY OF A POLYACRYLATE-BASED AZO POLYELECTROLYTE AND MULTILAYER PHOTORESPONSIVE BEHAVIOR. <i>Acta Polymerica Sinica</i> , 2009, 007, 289-292.	0.0	0