

# Daoyong Chen

## List of Publications by Year in descending order

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71  
papers

2,890  
citations

172457

29  
h-index

168389

53  
g-index

75  
all docs

75  
docs citations

75  
times ranked

3880  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Noncovalent Postmodification Guided Reversible Compartmentalization of Polymeric Micelles. ACS Macro Letters, 2022, 11, 687-692.  | 4.8  | 1         |
| 2  | Boosting Organic Afterglow Performance via a Two-Component Design Strategy Extracted from Macromolecular Self-Assembly. Journal of Physical Chemistry Letters, 2022, 13, 5030-5039.                                       | 4.6  | 8         |
| 3  | Fabrication of the Polymersomes with Unique and Even Nonequilibrium Morphologies. Macromolecular Rapid Communications, 2021, 42, 2000504.   | 3.9  | 2         |
| 4  | Polydiacetylene and its composites with long effective conjugation lengths and tunable third-order nonlinear optical absorption. Polymer Chemistry, 2021, 12, 3257-3263.  | 3.9  | 6         |
| 5  | Yolk-Shell Structured Nickel Cobalt Sulfide and Carbon Nanotube Composite for High-Performance Hybrid Supercapacitors. Energy & Fuels, 2021, 35, 5342-5351.   | 5.1  | 25        |
| 6  | A novel worm-like micelles@MOFs precursor for constructing hierarchically porous CoP/N-doped carbon networks towards efficient hydrogen evolution reaction. Journal of Colloid and Interface Science, 2021, 600, 872-881. | 9.4  | 15        |
| 7  | ZIF-67-derived Co@N-PC anchored on tracheid skeleton from sawdust with micro/nano composite structures for boosted methylene blue degradation. Separation and Purification Technology, 2021, 278, 119489.                 | 7.9  | 35        |
| 8  | Heavily superparamagnetic magnetite-loaded polymeric worm-like micelles that have an ultrahigh $T_2$ relaxivity. Polymer Chemistry, 2020, 11, 6134-6138.  | 3.9  | 5         |
| 9  | Strictly sparse surface modification and its application for endowing nanoparticles with an exact $\alpha$ -valency. Chemical Communications, 2020, 56, 15553-15556.  | 4.1  | 0         |
| 10 | Fabrication of melamine/Tb <sup>3+</sup> -intercalated polydiacetylene nanosheets and their thermochromic reversibility. Chinese Journal of Chemical Physics, 2020, 33, 357-364.  | 1.3  | 1         |
| 11 | <i>In situ</i> synthesis of polyaniline/carbon nanotube composites in a carbonized wood scaffold for high performance supercapacitors. Nanoscale, 2020, 12, 17738-17745.  | 5.6  | 43        |
| 12 | A general method to greatly enhance ultrasound-responsiveness for common polymeric assemblies. Polymer Chemistry, 2020, 11, 3296-3304.  | 3.9  | 6         |
| 13 | Multistage Polymerization Design for g-C <sub>3</sub> N <sub>4</sub> Nanosheets with Enhanced Photocatalytic Activity by Modifying the Polymerization Process of Melamine. ACS Omega, 2019, 4, 17148-17159.               | 3.5  | 50        |
| 14 | Endowing Polymeric Assemblies with Unique Properties and Behaviors by Incorporating Versatile Nanogels in the Shell. ACS Macro Letters, 2019, 8, 1222-1226.   | 4.8  | 4         |
| 15 | A network of porous carbon/ZnCo <sub>2</sub> O <sub>4</sub> nanotubes derived from shell-hybridized worm-like micelles for lithium storage. Journal of Materials Chemistry A, 2019, 7, 22642-22649.                       | 10.3 | 9         |
| 16 | Carbon nanotubes grown on the inner wall of carbonized wood tracheids for high-performance supercapacitors. Carbon, 2019, 150, 311-318.   | 10.3 | 112       |
| 17 | Antifouling Wood Matrix with Natural Water Transfer and Microreaction Channels for Water Treatment. ACS Sustainable Chemistry and Engineering, 2019, 7, 6782-6791.  | 6.7  | 40        |
| 18 | From Tunable DNA/Polymer Self-Assembly to Tailorable and Morphologically Pure Core-Shell Nanofibers. Langmuir, 2018, 34, 15350-15359.   | 3.5  | 14        |

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|----|--|------|-----------|
| 19 | Efficient Fabrication of Pure, Single-Chain Janus Particles through Their Exclusive Self-Assembly in Mixtures with Their Analogues. <i>ACS Macro Letters</i> , 2018, 7, 1278-1282.   | 4.8  | 20        |
| 20 | Recent Progress in Flexible Fibrous Batteries. <i>ChemElectroChem</i> , 2018, 5, 3127-3137.  | 3.4  | 16        |
| 21 | Precise surface structure of nanofibres with nearly atomic-level precision. <i>Chemical Communications</i> , 2018, 54, 11084-11087.  | 4.1  | 2         |
| 22 | Multiheteroatom-Doped Porous Carbon Catalyst for Oxygen Reduction Reaction Prepared using 3D Network of ZIF-8/Polymeric Nanofiber as a Facile-Doping Template. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 21083-21088.   | 8.0  | 41        |
| 23 | Solution-Based Thermodynamically Controlled Conversion from Diblock Copolymers to Janus Nanoparticles. <i>ACS Macro Letters</i> , 2017, 6, 580-585.  | 4.8  | 20        |
| 24 | Polydiacetylene <sup>3+</sup> Nanosheets of Which Both the Color and the Fluorescence Can Be Reversibly Switched between Two Colors. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1678-1686.  | 4.9  | 4         |
| 25 | Solution-Based Fabrication of Narrowly Disperse ABC Three-Segment and Î-shaped Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6182-6186.  | 13.8 | 43        |
| 26 | Self-assembly of polymeric micelles into complex but regular superstructures based on highly controllable core-core fusion between the micelles. <i>Soft Matter</i> , 2016, 12, 4891-4895.   | 2.7  | 6         |
| 27 | Recovering 3D images of polymeric nanofibers in solution through theoretical analysis and Monte-Carlo simulations of their 2D TEM images. <i>Soft Matter</i> , 2016, 12, 4590-4594.  | 2.7  | 1         |
| 28 | Reversible thermochromism via hydrogen-bonded cocrystals of polydiacetylene and melamine. <i>Polymer</i> , 2016, 105, 440-448.   | 3.8  | 12        |
| 29 | A one-pot approach using recyclable template to prepare dual-responsive yolk-shell or Janus-like nanoparticles. <i>Polymer Chemistry</i> , 2016, 7, 7170-7176.   | 3.9  | 7         |
| 30 | Efficient synthesis of narrowly dispersed amphiphilic double-brush copolymers through the polymerization reaction of macromonomer micelle emulsifiers at the oil-water interface. <i>Polymer Chemistry</i> , 2016, 7, 4476-4485.       | 3.9  | 28        |
| 31 | Solution-Based Fabrication of Narrowly Disperse ABC Three-Segment and Î-shaped Nanoparticles. <i>Angewandte Chemie</i> , 2016, 128, 6290-6294.   | 2.0  | 8         |
| 32 | pH-activated size reduction of large compound nanoparticles for in vivo nucleus-targeted drug delivery. <i>Biomaterials</i> , 2016, 85, 30-39.   | 11.4 | 73        |
| 33 | A Robust Solution-Based Approach to Monodisperse Hybrid Janus Nanofibers. <i>Chinese Journal of Chemistry</i> , 2015, 33, 527-530.   | 4.9  | 1         |
| 34 | Macrocellular polymer foams from water in oil high internal phase emulsion stabilized solely by polymer Janus nanoparticles: preparation and their application as support for Pd catalyst. <i>RSC Advances</i> , 2015, 5, 40227-40235. | 3.6  | 29        |
| 35 | A new design of ionic complexation and its application for efficient protection of proteins. <i>Polymer Chemistry</i> , 2015, 6, 1688-1692.  | 3.9  | 0         |
| 36 | Solution-based fabrication of a highly catalytically active 3D network constructed from 1D metal-organic framework-coated polymeric worm-like micelles. <i>Chemical Communications</i> , 2015, 51, 10162-10165.                        | 4.1  | 18        |

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|----|---|------|-----------|
| 37 | Hierarchically arranged helical fibre actuators driven by solvents and vapours. <i>Nature Nanotechnology</i> , 2015, 10, 1077-1083.   | 31.5 | 310       |
| 38 | Polymer Adsorption on Graphite and CVD Graphene Surfaces Studied by Surface-Specific Vibrational Spectroscopy. <i>Nano Letters</i> , 2015, 15, 6501-6505.   | 9.1  | 39        |
| 39 | Water-Soluble Monodisperse Core-Shell Nanorings: Their Tailorable Preparation and Interactions with Oppositely Charged Spheres of a Similar Diameter. <i>Journal of the American Chemical Society</i> , 2014, 136, 15933-15941.                               | 13.7 | 26        |
| 40 | Structure and Ultrasonic Sensitivity of the Superparticles Formed by Self-Assembly of Single Chain Janus Nanoparticles. <i>Macromolecules</i> , 2014, 47, 365-372.  | 4.8  | 58        |
| 41 | Scavenger receptor-recognized and enzyme-responsive nanoprobe for fluorescent labeling of lysosomes in live cells. <i>Biomaterials</i> , 2014, 35, 7870-7880.   | 11.4 | 18        |
| 42 | Folic acid-modified iridium(III) coordination polymeric nanoparticles facilitating intracellular release of a phosphorescent residue capable of nuclear entry. <i>Inorganic Chemistry Communication</i> , 2014, 40, 143-147.                                  | 3.9  | 9         |
| 43 | Studies on Synthesis, Characterization, and Functionalization of Poly(3,4-dihydroxy-phenylalanine). <i>Chemistry Letters</i> , 2014, 43, 959-961.   | 1.3  | 3         |
| 44 | Bimodal porous superparticles with the optimized structure prepared by self-limited aggregation of PEG-coated mesoporous nanofibers for purification of protein-dye conjugates. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14649.                     | 10.3 | 8         |
| 45 | Shear Induced Morphological Transformation of Large Compound Micelles Formed by Glutathione Endcapped Poly(4-vinylpyridine). <i>Chinese Journal of Chemistry</i> , 2013, 31, 745-751.   | 4.9  | 2         |
| 46 | Linear coupling of spherical block copolymer micelles induced by gradually depositing an insoluble component onto the core-shell interface. <i>Soft Matter</i> , 2012, 8, 8636.   | 2.7  | 7         |
| 47 | DNA/Polymeric Micelle Self-Assembly Mimicking Chromatin Compaction. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8744-8747.   | 13.8 | 46        |
| 48 | A Facile Method to Form a Densely Grafted PEO-b-P4VP Brush on Gold Surface. <i>Chinese Journal of Chemistry</i> , 2012, 30, 1729-1734.  | 4.9  | 4         |
| 49 | The intranuclear release of a potential anticancer drug from small nanoparticles that are derived from intracellular dissociation of large nanoparticles. <i>Biomaterials</i> , 2012, 33, 4220-4228.  | 11.4 | 43        |
| 50 | Self-assembly of particles-The regulatory role of particle flexibility. <i>Progress in Polymer Science</i> , 2012, 37, 445-486.   | 24.7 | 84        |
| 51 | Novel and Efficient One Pot Condensation Reactions between Ketones and Aromatic Alcohols in the Presence of CrO <sub>3</sub> Producing Unsaturated Carbonyl Compounds. <i>Chinese Journal of Chemistry</i> , 2011, 29, 2086-2090.                             | 4.9  | 12        |
| 52 | Polymeric core-shell stars with a novel fluorescent, cross-linked and swollen core: Their efficient one-step preparation, further self-assembly into superparticles and application as a chemosensor. <i>Journal of Materials Chemistry</i> , 2010, 20, 9988. | 6.7  | 22        |
| 53 | Transforming spherical block polyelectrolyte micelles into free-suspending films via DNA complexation-induced structural anisotropy. <i>Chemical Communications</i> , 2010, 46, 6135.   | 4.1  | 9         |
| 54 | Noncovalently connected micelles based on a cyclodextrin-containing polymer and adamantane endcapped poly( $\epsilon$ -caprolactone) via host-guest interactions. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4267-4278.                             | 2.3  | 52        |

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|----|--|------|-----------|
| 55 | Self-Assembly of Heteroarms Core-Shell Polymeric Nanoparticles (HCPNs) and Templated Synthesis of Gold Nanoparticles within HCPNs and the Superparticles. <i>Macromolecules</i> , 2009, 42, 7108-7113.                         | 4.8  | 21        |
| 56 | Nanoscale Tubular and Sheetlike Superstructures from Hierarchical Self-Assembly of Polymeric Janus Particles. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 10171-10174.  | 13.8 | 113       |
| 57 | Self-dissociation of water-soluble PANa/ETC nano-aggregates. <i>Polymer</i> , 2008, 49, 263-267.   | 3.8  | 1         |
| 58 | Efficient Synthesis of Unimolecular Polymeric Janus Nanoparticles and Their Unique Self-Assembly Behavior in a Common Solvent. <i>Macromolecules</i> , 2008, 41, 8159-8166.  | 4.8  | 89        |
| 59 | Polymer Mortar Assisted Self-Assembly of Nanocrystalline Polydiacetylene Bricks Showing Reversible Thermochromism. <i>Macromolecules</i> , 2008, 41, 2299-2303.  | 4.8  | 62        |
| 60 | One-Pot Synthesis of Amphiphilic Polymeric Janus Particles and Their Self-Assembly into Supermicelles with a Narrow Size Distribution. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6321-6324.                 | 13.8 | 153       |
| 61 | Grafting of Poly(tBA) and PtBA-b-PMMA onto the Surface of SWNTs Using Carbanions as the Initiator. <i>Macromolecular Rapid Communications</i> , 2006, 27, 882-887.   | 3.9  | 31        |
| 62 | A One-Step Approach to the Highly Efficient Preparation of Core-Stabilized Polymeric Micelles with a Mixed Shell Formed by Two Incompatible Polymers. <i>Macromolecules</i> , 2005, 38, 5834-5837.                             | 4.8  | 59        |
| 63 | A One-Pot Approach to the Preparation of Organic Core-Shell Nanoobjects with Different Morphologies. <i>Macromolecules</i> , 2005, 38, 3550-3553.  | 4.8  | 35        |
| 64 | Strategies for Constructing Polymeric Micelles and Hollow Spheres in Solution via Specific Intermolecular Interactions. <i>Accounts of Chemical Research</i> , 2005, 38, 494-502.  | 15.6 | 372       |
| 65 | pH-dependent multiple morphologies of novel aggregates of carboxyl-terminated polyimide in water. <i>European Physical Journal E</i> , 2004, 15, 211-215.  | 1.6  | 41        |
| 66 | Self-Assembly of Rigid and Coil Polymers into Hollow Spheres in Their Common Solvent. <i>Journal of Physical Chemistry B</i> , 2004, 108, 550-555.   | 2.6  | 68        |
| 67 | Short-Life Core-Shell Structured Nanoaggregates Formed by the Self-Assembly of PEO-b-PAA/ETC (1-(3-Dimethylamino-propyl)-3-ethylcarbodiimide Methiodide) and Their Stabilization. <i>Macromolecules</i> , 2004, 37, 1666-1669. | 4.8  | 26        |
| 68 | A Novel One-Step Approach to Core-Stabilized Nanoparticles at High Solid Contents. <i>Macromolecules</i> , 2003, 36, 2576-2578.  | 4.8  | 87        |
| 69 | Self-Assembly of Formic Acid/Polystyrene-block-poly(4-vinylpyridine) Complexes into Vesicles in a Low-Polar Organic Solvent Chloroform. <i>Langmuir</i> , 2003, 19, 10989-10992.   | 3.5  | 63        |
| 70 | Macromolecular assembly: from irregular aggregates to regular nanostructures. <i>Macromolecular Symposia</i> , 2003, 195, 165-170.   | 0.7  | 7         |
| 71 | Self-Assembly of Unlike Homopolymers into Hollow Spheres in Nonselective Solvent. <i>Journal of the American Chemical Society</i> , 2001, 123, 12097-12098.  | 13.7 | 143       |