

# Yulin Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5096090/publications.pdf>

Version: 2024-02-01

36  
papers

2,351  
citations

361413

20  
h-index

345221

36  
g-index

43  
all docs

43  
docs citations

43  
times ranked

3715  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Toward a Universal "Adhesive Nanosheet" for the Assembly of Multiple Nanoparticles Based on a Protein-Induced Reduction/Decoration of Graphene Oxide. <i>Journal of the American Chemical Society</i> , 2010, 132, 7279-7281.           | 13.7 | 794       |
| 2  | Complex wireframe DNA origami nanostructures with multi-arm junction vertices. <i>Nature Nanotechnology</i> , 2015, 10, 779-784.  | 31.5 | 349       |
| 3  | Noncovalent DNA decorations of graphene oxide and reduced graphene oxide toward water-soluble metal-carbon hybrid nanostructures via self-assembly. <i>Journal of Materials Chemistry</i> , 2010, 20, 900-906.                          | 6.7  | 167       |
| 4  | Self-Assembly of Molecule-like Nanoparticle Clusters Directed by DNA Nanocages. <i>Journal of the American Chemical Society</i> , 2015, 137, 4320-4323.   | 13.7 | 136       |
| 5  | DNA Nanocages Swallow Gold Nanoparticles (AuNPs) to Form AuNP@DNA Cage Core-Shell Structures. <i>ACS Nano</i> , 2014, 8, 1130-1135.   | 14.6 | 87        |
| 6  | Self-Assembly of Responsive Multilayered DNA Nanocages. <i>Journal of the American Chemical Society</i> , 2015, 137, 1730-1733.   | 13.7 | 86        |
| 7  | DNA-SWNT hybrid hydrogel. <i>Chemical Communications</i> , 2011, 47, 5545-5547.   | 4.1  | 81        |
| 8  | Eggshell membrane as a multimodal solid state platform for generating fluorescent metal nanoclusters. <i>Journal of Materials Chemistry</i> , 2011, 21, 2863.   | 6.7  | 72        |
| 9  | Rational Design and Self-Assembly of Two-Dimensional, Dodecagonal DNA Quasicrystals. <i>Journal of the American Chemical Society</i> , 2019, 141, 4248-4251.  | 13.7 | 54        |
| 10 | Silver nanoparticle-DNA bionanoconjugates bearing a discrete number of DNA ligands. <i>Chemical Communications</i> , 2012, 48, 6160.  | 4.1  | 50        |
| 11 | Universal pH-Responsive and Metal-Ion-Free Self-Assembly of DNA Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6892-6895.   | 13.8 | 44        |
| 12 | Visual detection of sub-femtomole DNA by a gold nanoparticle seeded homogeneous reduction assay: Toward a generalized sensitivity-enhancing strategy. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1984-1988.                       | 10.1 | 40        |
| 13 | Grafting Single-Walled Carbon Nanotubes with Highly Hybridizable DNA Sequences: Potential Building Blocks for DNA-Programmed Material Assembly. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7481-7484.                 | 13.8 | 39        |
| 14 | A General Strategy Toward pH-Controlled Aggregation-Dispersion of Gold Nanoparticles and Single-Walled Carbon Nanotubes. <i>Small</i> , 2008, 4, 326-329.   | 10.0 | 38        |
| 15 | Overcoming the Coupling Dilemma in DNA-Programmable Nanoparticle Assemblies by Ag <sup>+</sup> Soldering. <i>Small</i> , 2015, 11, 2247-2251.   | 10.0 | 36        |
| 16 | "Flash"-preparation of strongly coupled metal nanoparticle clusters with sub-nm gaps by Ag <sup>+</sup> soldering: toward effective plasmonic tuning of solution-assembled nanomaterials. <i>Chemical Science</i> , 2016, 7, 5435-5440. | 7.4  | 33        |
| 17 | Regulating DNA Self-assembly by DNA-Surface Interactions. <i>ChemBioChem</i> , 2017, 18, 2404-2407.   | 2.6  | 29        |
| 18 | Pt nanoparticles decorated with a discrete number of DNA molecules for programmable assembly of Au-Pt bimetallic superstructures. <i>Chemical Communications</i> , 2012, 48, 3727.  | 4.1  | 27        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Structural Transformation: Assembly of an Otherwise Inaccessible DNA Nanocage. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5990-5993.                                   | 13.8 | 25        |
| 20 | Stimuli-Responsive DNA Self-Assembly: From Principles to Applications. <i>Chemistry - A European Journal</i> , 2019, 25, 9785-9798.  | 3.3  | 22        |
| 21 | Core solution: a strategy towards gold core/non-gold shell nanoparticles bearing strict DNA-valences for programmable nanoassembly. <i>Chemical Science</i> , 2014, 5, 1015-1020.        | 7.4  | 18        |
| 22 | Trace Fe Incorporation into Ni-(oxy)hydroxide Stabilizes Ni <sup>3+</sup> Sites for Anodic Oxygen Evolution: A Double Thin-Layer Study. <i>Langmuir</i> , 2020, 36, 5126-5133.           | 3.5  | 18        |
| 23 | Ag Ion Soldering: An Emerging Tool for Sub-nanometric Plasmon Coupling and Beyond. <i>Accounts of Chemical Research</i> , 2019, 52, 3442-3454.   | 15.6 | 16        |
| 24 | Chemoresponsive Colloidosomes via Ag <sup>+</sup> Soldering of Surface-Assembled Nanoparticle Monolayers. <i>Langmuir</i> , 2015, 31, 4589-4592.   | 3.5  | 14        |
| 25 | Universal pH-Responsive and Metal-Ion-Free Self-Assembly of DNA Nanostructures. <i>Angewandte Chemie</i> , 2018, 130, 7008-7011.   | 2.0  | 10        |
| 26 | A Case Study of the Likes and Dislikes of DNA and RNA in Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15118-15121.  | 13.8 | 9         |
| 27 | Logical Regulations of the Aggregation/Dispersion of Gold Nanoparticles via Programmed Chemical Interactions. <i>Langmuir</i> , 2011, 27, 9666-9670.                                     | 3.5  | 8         |
| 28 | Supramolecular Wireframe DNA Polyhedra: Assembly and Applications. <i>Chinese Journal of Chemistry</i> , 2017, 35, 801-810.  | 4.9  | 8         |
| 29 | Surface-initiated DNA self-assembly as an enzyme-free and nanoparticle-free strategy towards signal amplification of an electrochemical DNA sensor. <i>Analyst</i> , 2011, 136, 459-462. | 3.5  | 7         |
| 30 | Base-Sequence-Independent Efficient Redox Switching of Self-Assembled DNA Nanocages. <i>ChemBioChem</i> , 2019, 20, 2743-2746.   | 2.6  | 4         |
| 31 | Functionalization of Tile-Based DNA Nanocages with Gold Nanoparticles (AuNPs) to Form AuNP Cluster-DNA Cage Hybrids. <i>ChemNanoMat</i> , 2020, 6, 1175-1178.                            | 2.8  | 4         |
| 32 | Facile Purification and Concentration of DNA Origami Structures by Ethanol Precipitation. <i>ChemNanoMat</i> , 2022, 8, .  | 2.8  | 4         |
| 33 | Area-Step Cyclic Voltammetry for Assessing Local Electrocatalytic Activity of Gradient Materials. <i>ChemElectroChem</i> , 2019, 6, 5237-5241.   | 3.4  | 3         |
| 34 | Boosted Productivity in Single-Tile-Based DNA Polyhedra Assembly by Simple Cation Replacement. <i>ChemBioChem</i> , 0, , .   | 2.6  | 3         |
| 35 | Frontispiece: Stimuli-Responsive DNA Self-Assembly: From Principles to Applications. <i>Chemistry - A European Journal</i> , 2019, 25, .   | 3.3  | 0         |
| 36 | Regulating the Kinetics of DNA Attachment: Construction of Defined Clusters with High DNA Density and Strong Plasmonic Coupling. <i>ChemNanoMat</i> , 2021, 7, 811-814.                  | 2.8  | 0         |