

# Lingyun Jia

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

832  
citations

623734

14  
h-index

526287

27  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1318  
citing authors

| #  | ARTICLE                                                                                                                                                                                                          | IF   | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Stability of polydopamine and poly(DOPA) melanin-like films on the surface of polymer membranes under strongly acidic and alkaline conditions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 22-28. | 5.0  | 210       |
| 2  | Coating process and stability of metal-polyphenol film. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 484, 197-205.                                                            | 4.7  | 62        |
| 3  | Galloyl groups-regulated fibrinogen conformation: Understanding antiplatelet adhesion on tannic acid coating. <i>Acta Biomaterialia</i> , 2017, 64, 187-199.                                                     | 8.3  | 43        |
| 4  | HP- $\beta$ -cyclodextrin as an inhibitor of amyloid- $\beta$ aggregation and toxicity. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 20476-20485.                                                      | 2.8  | 41        |
| 5  | A Novel Platelet-Repellent Polyphenolic Surface and Its Micropattern for Platelet Adhesion Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 26570-26577.                                      | 8.0  | 37        |
| 6  | A Chemical Method for Specific Capture of Circulating Tumor Cells Using Label-Free Polyphenol-Functionalized Films. <i>Chemistry of Materials</i> , 2018, 30, 4372-4382.                                         | 6.7  | 35        |
| 7  | Metal Ion-Chelated Tannic Acid Coating for Hemostatic Dressing. <i>Materials</i> , 2019, 12, 1803.                                                                                                               | 2.9  | 34        |
| 8  | A Novel Nanobody-Photosensitizer Conjugate for Hypoxia Resistant Photoimmunotherapy. <i>Advanced Functional Materials</i> , 2021, 31, 2103629.                                                                   | 14.9 | 21        |
| 9  | Nanobody-Based high-performance immunosorbent for selective beta 2-microglobulin purification from blood. <i>Acta Biomaterialia</i> , 2020, 107, 232-241.                                                        | 8.3  | 20        |
| 10 | In Silico understanding of the cyclodextrin-phenanthrene hybrid assemblies in both aqueous medium and bacterial membranes. <i>Journal of Hazardous Materials</i> , 2015, 285, 148-156.                           | 12.4 | 18        |
| 11 | HSA targets multiple A $\beta$ 242 species and inhibits the seeding-mediated aggregation and cytotoxicity of A $\beta$ 242 aggregates. <i>RSC Advances</i> , 2016, 6, 71165-71175.                               | 3.6  | 18        |
| 12 | Application of cyclodextrin-based eluents in hydrophobic charge-induction chromatography: Elution of antibody at neutral pH. <i>Journal of Chromatography A</i> , 2014, 1352, 62-68.                             | 3.7  | 16        |
| 13 | High Expression Achievement of Active and Robust Anti- $\beta$ 2 microglobulin Nanobodies via E.coli Hosts Selection. <i>Molecules</i> , 2019, 24, 2860.                                                         | 3.8  | 16        |
| 14 | Natural Fish Trap-Like Nanocage for Label-Free Capture of Circulating Tumor Cells. <i>Advanced Science</i> , 2020, 7, 2002259.                                                                                   | 11.2 | 16        |
| 15 | Removal of indoxyl sulfate by water-soluble poly-cyclodextrins in dialysis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 164, 406-413.                                                                  | 5.0  | 15        |
| 16 | Facile Oriented Immobilization of Histidine-Tagged Proteins on Nonfouling Cobalt Polyphenolic Self-Assembly Surfaces. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 3328-3337.                      | 5.2  | 14        |
| 17 | Multi-sites polycyclodextrin adsorbents for removal of protein-bound uremic toxins combining with hemodialysis. <i>Carbohydrate Polymers</i> , 2020, 247, 116665.                                                | 10.2 | 14        |
| 18 | Direct site-specific immobilization of protein A via aldehyde-hydrazide conjugation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1008, 132-138.      | 2.3  | 13        |

| #  | ARTICLE                                                                                                                                                                                                                      | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Optimization of dilution refolding conditions for a camelid single domain antibody against human beta-2-microglobulin. <i>Protein Expression and Purification</i> , 2016, 117, 59-66.                                        | 1.3 | 13        |
| 20 | Salt-independent hydrophobic displacement chromatography for antibody purification using cyclodextrin as supermolecular displacer. <i>Journal of Chromatography A</i> , 2014, 1369, 98-104.                                  | 3.7 | 12        |
| 21 | Identification of a New Function of Cardiovascular Disease Drug 3-Morpholinopyridone Hydrochloride as an Amyloid- $\beta$ Aggregation Inhibitor. <i>ACS Omega</i> , 2017, 2, 243-250.                                        | 3.5 | 12        |
| 22 | Freezing-assisted synthesis of covalent C-C linked bivalent and bispecific nanobodies. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 257-263.                                                                        | 2.8 | 11        |
| 23 | Efficient continuous-flow aldehyde tag conversion using immobilized formylglycine generating enzyme. <i>Catalysis Science and Technology</i> , 2020, 10, 484-492.                                                            | 4.1 | 11        |
| 24 | A camelid nanobody against EGFR was easily obtained through refolding of inclusion body expressed in <i>Escherichia coli</i> . <i>Biotechnology and Applied Biochemistry</i> , 2017, 64, 895-901.                            | 3.1 | 10        |
| 25 | One-step Preparation of a VHH-based Immunoabsorbent for the Extracorporeal Removal of $\beta$ -2-microglobulin. <i>Molecules</i> , 2019, 24, 2119.                                                                           | 3.8 | 10        |
| 26 | Oriented Immobilization and Quantitative Analysis Simultaneously Realized in Sandwich Immunoassay via His-Tagged Nanobody. <i>Molecules</i> , 2019, 24, 1890.                                                                | 3.8 | 10        |
| 27 | Amelioration of experimental autoimmune myasthenia gravis rats by blood purification treatment using 4-mercaptoethylpyridine-based adsorbent. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 98A, 589-595. | 4.0 | 9         |
| 28 | Rapid Covalent Immobilization of Proteins by Phenol-Based Photochemical Cross-Linking. <i>Bioconjugate Chemistry</i> , 2016, 27, 2266-2270.                                                                                  | 3.6 | 9         |
| 29 | Influence of Hydroxypropyl- $\beta$ -cyclodextrin on the Extraction and Biodegradation of p,p'-DDT, o,p'-DDT, p,p'-DDD, and p,p'-DDE in Soils. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.                         | 2.4 | 7         |
| 30 | Characterization and comparison of two peptide-tag specific nanobodies for immunoaffinity chromatography. <i>Journal of Chromatography A</i> , 2020, 1624, 461227.                                                           | 3.7 | 7         |
| 31 | A facile method to oriented immobilization of His-tagged BirA on Co <sup>3+</sup> -NTA agarose beads. <i>Enzyme and Microbial Technology</i> , 2019, 120, 36-42.                                                             | 3.2 | 6         |
| 32 | Hemocompatible MOF-decorated pollen hemoperfusion absorbents for rapid and highly efficient removal of protein-bound uremic toxins. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7617-7627.                               | 5.9 | 6         |
| 33 | Remediation of DDTs-contaminated Sediments through Retrievable Activated Carbon Fiber Felt. <i>Clean - Soil, Air, Water</i> , 2014, 42, 973-978.                                                                             | 1.1 | 5         |
| 34 | Curcumin induces structural change and reduces the growth of amyloid- $\beta$ fibrils: a QCM-D study. <i>RSC Advances</i> , 2015, 5, 30197-30205.                                                                            | 3.6 | 5         |
| 35 | Facile and Controllable Fabrication of Protein-Only Nanoparticles through Photo-Induced Crosslinking of Albumin and Their Application as DOX Carriers. <i>Nanomaterials</i> , 2019, 9, 797.                                  | 4.1 | 5         |
| 36 | Modular Chamber Assembled with Cell-Replicated Surface for Capture of Cancer Cells. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2647-2656.                                                                    | 5.2 | 5         |

| #  | ARTICLE                                                                                                                                                                                                                                                  | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Nanobody-loaded immunosorbent for highly-specific removal of interleukin-17A from blood. <i>Journal of Chromatography A</i> , 2021, 1654, 462478.                                                                                                        | 3.7 | 5         |
| 38 | Generation and Application of Fluorescent Anti-Human $\hat{I}^{22}$ -Microglobulin VHHs via Amino Modification. <i>Molecules</i> , 2019, 24, 2600.                                                                                                       | 3.8 | 4         |
| 39 | Coordination-driven reversible surfaces with site-specifically immobilized nanobody for dynamic cancer cell capture and release. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7511-7520.                                                           | 5.8 | 4         |
| 40 | Characterization of non-specific protein adsorption induced by triazole groups on the chromatography media using Cu (I)-catalyzed alkyne-azide cycloaddition reaction for ligand immobilization. <i>Journal of Chromatography A</i> , 2016, 1476, 63-68. | 3.7 | 3         |
| 41 | Benzotriazole-5-carboxylic as a mixed-mode ligand for chromatographic separation of antibody with enhanced adsorption capacity. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1179, 122652.    | 2.3 | 3         |
| 42 | Fossil-like pollen grains for construction of UV-responsive photochromic and fluorogenic dual-functional film. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 625, 126944.                                              | 4.7 | 3         |
| 43 | Nanobodies as solubilization chaperones for the expression and purification of inclusion-body prone proteins. <i>Chemical Communications</i> , 2022, 58, 2898-2901.                                                                                      | 4.1 | 3         |
| 44 | Single and dual functionalization of proteins using site-specific nucleophilic carbon ligations. <i>Chemical Communications</i> , 2022, 58, 6316-6319.                                                                                                   | 4.1 | 3         |
| 45 | Peptide Linker Affecting the Activity Retention Rate of VHH in Immunosorbents. <i>Biomolecules</i> , 2020, 10, 1610.                                                                                                                                     | 4.0 | 2         |
| 46 | Tyrosine-Based Dual-Functional Interface for Trapping and On-Site Photo-Induced Covalent Immobilization of Proteins. <i>Bioconjugate Chemistry</i> , 2022, 33, 829-838.                                                                                  | 3.6 | 2         |
| 47 | An engineered peptide tag-specific nanobody for immunoaffinity chromatography application enabling efficient product recovery at mild conditions. <i>Journal of Chromatography A</i> , 2022, 1676, 463274.                                               | 3.7 | 2         |
| 48 | Nanobodies: From Serendipitous Discovery of Heavy Chain-Only Antibodies in Camelids to a Wide Range of Useful Applications. <i>Methods in Molecular Biology</i> , 2022, 2446, 3-17.                                                                      | 0.9 | 1         |
| 49 | Facile calcium ion-regulated grafting of dense and highly stretched hyaluronan for selective mediation of cancer cells rolling under high-speed flow. <i>Acta Biomaterialia</i> , 2022, 146, 177-186.                                                    | 8.3 | 1         |
| 50 | An Adsorbent for Extracorporeal Elimination of Pathogenic Autoantibodies. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .  | 0.0 | 0         |
| 51 | Detection of $\hat{A}^{I2}$ -interacting proteins via a novel $\hat{A}^{I2}$ -adsorbents that use immobilized regular comb polymer. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 971, 94-98.  | 2.3 | 0         |
| 52 | Adsorbents for the Treatment of Autoimmune Diseases through Hemoperfusion. <i>Regenerative Medicine, Artificial Cells and Nanomedicine</i> , 2017, , 629-647.                                                                                            | 0.1 | 0         |
| 53 | Increased clearance of indoxyl sulfate in renal failure rats with the addition of watersoluble poly $\hat{A}^{I2}$ -cyclodextrin to the dialysate. <i>Nephrology</i> , 2021, , .                                                                         | 1.6 | 0         |
| 54 | Cytoplasmic Expression of Nanobodies with Formylglycine Generating Enzyme Tag and Conversion to a Bio-Orthogonal Aldehyde Group. <i>Methods in Molecular Biology</i> , 2022, 2446, 357-371.                                                              | 0.9 | 0         |