

# Lingyun Jia

## List of Publications by Year in descending order

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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	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
2	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
3	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
4	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
5	Single and dual functionalization of proteins using site-specific nucleophilic carbon ligations. <i>Chemical Communications</i> , 2022, 58, 6316-6319.	4.1	3
6	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
7	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
8	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
9	A Novel Nanobody-Photosensitizer Conjugate for Hypoxia Resistant Photoimmunotherapy. <i>Advanced Functional Materials</i> , 2021, 31, 2103629.	14.9	21
10	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
11	Nanobody-loaded immunosorbent for highly-specific removal of interleukin-17A from blood. <i>Journal of Chromatography A</i> , 2021, 1654, 462478.	3.7	5
12	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
13	Increased clearance of indoxyl sulfate in renal failure rats with the addition of watersoluble poly- $\beta$ -cyclodextrin to the dialysate. <i>Nephrology</i> , 2021, , .	1.6	0
14	Efficient continuous-flow aldehyde tag conversion using immobilized formylglycine generating enzyme. <i>Catalysis Science and Technology</i> , 2020, 10, 484-492.	4.1	11
15	Natural Fish Trap-Like Nanocage for Label-Free Capture of Circulating Tumor Cells. <i>Advanced Science</i> , 2020, 7, 2002259.	11.2	16
16	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
17	Peptide Linker Affecting the Activity Retention Rate of VHH in Immunosorbents. <i>Biomolecules</i> , 2020, 10, 1610.	4.0	2
18	Characterization and comparison of two peptide-tag specific nanobodies for immunoaffinity chromatography. <i>Journal of Chromatography A</i> , 2020, 1624, 461227.	3.7	7

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19	Multi-sites polycyclodextrin adsorbents for removal of protein-bound uremic toxins combining with hemodialysis. <i>Carbohydrate Polymers</i> , 2020, 247, 116665.	10.2	14
20	Nanobody-Based high-performance immunosorbent for selective beta 2-microglobulin purification from blood. <i>Acta Biomaterialia</i> , 2020, 107, 232-241.	8.3	20
21	High Expression Achievement of Active and Robust Anti-Î²2 microglobulin Nanobodies via E.coli Hosts Selection. <i>Molecules</i> , 2019, 24, 2860.	3.8	16
22	Generation and Application of Fluorescent Anti-Human Î²2-Microglobulin VHHs via Amino Modification. <i>Molecules</i> , 2019, 24, 2600.	3.8	4
23	Freezing-assisted synthesis of covalent Câ€C linked bivalent and bispecific nanobodies. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 257-263.	2.8	11
24	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
25	Metal Ion-Chelated Tannic Acid Coating for Hemostatic Dressing. <i>Materials</i> , 2019, 12, 1803.	2.9	34
26	One-step Preparation of a VHH-based Immunoabsorbent for the Extracorporeal Removal of Î²2-microglobulin. <i>Molecules</i> , 2019, 24, 2119.	3.8	10
27	Oriented Immobilization and Quantitative Analysis Simultaneously Realized in Sandwich Immunoassay via His-Tagged Nanobody. <i>Molecules</i> , 2019, 24, 1890.	3.8	10
28	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
29	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
30	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
31	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
32	Identification of a New Function of Cardiovascular Disease Drug 3-Morpholinopyrrolidine Hydrochloride as an Amyloid-Î² Aggregation Inhibitor. <i>ACS Omega</i> , 2017, 2, 243-250.	3.5	12
33	Galloyl groups-regulated fibrinogen conformation: Understanding antiplatelet adhesion on tannic acid coating. <i>Acta Biomaterialia</i> , 2017, 64, 187-199.	8.3	43
34	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
35	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
36	Adsorbents for the Treatment of Autoimmune Diseases through Hemoperfusion. <i>Regenerative Medicine, Artificial Cells and Nanomedicine</i> , 2017, , 629-647.	0.1	0

#	ARTICLE	IF	CITATIONS
37	A Novel Platelet-Repellent Polyphenolic Surface and Its Micropattern for Platelet Adhesion Detection. ACS Applied Materials & Interfaces, 2016, 8, 26570-26577.	8.0	37
38	Rapid Covalent Immobilization of Proteins by Phenol-Based Photochemical Cross-Linking. Bioconjugate Chemistry, 2016, 27, 2266-2270.	3.6	9
39	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. Journal of Chromatography A, 2016, 1476, 63-68.	3.7	3
40	HSA targets multiple A $\beta$ 242 species and inhibits the seeding-mediated aggregation and cytotoxicity of A $\beta$ 242 aggregates. RSC Advances, 2016, 6, 71165-71175.	3.6	18
41	HP- $\beta$ -cyclodextrin as an inhibitor of amyloid- $\beta$ aggregation and toxicity. Physical Chemistry Chemical Physics, 2016, 18, 20476-20485.	2.8	41
42	Direct site-specific immobilization of protein A via aldehyde-hydrazide conjugation. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1008, 132-138.	2.3	13
43	Optimization of dilution refolding conditions for a camelid single domain antibody against human beta-2-microglobulin. Protein Expression and Purification, 2016, 117, 59-66.	1.3	13
44	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. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	7
45	Curcumin induces structural change and reduces the growth of amyloid- $\beta$ fibrils: a QCM-D study. RSC Advances, 2015, 5, 30197-30205.	3.6	5
46	Coating process and stability of metal-polyphenol film. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 484, 197-205.	4.7	62
47	In Silico understanding of the cyclodextrin-phenanthrene hybrid assemblies in both aqueous medium and bacterial membranes. Journal of Hazardous Materials, 2015, 285, 148-156.	12.4	18
48	Remediation of DDTs-contaminated Sediments through Retrievable Activated Carbon Fiber Felt. Clean - Soil, Air, Water, 2014, 42, 973-978.	1.1	5
49	Salt-independent hydrophobic displacement chromatography for antibody purification using cyclodextrin as supermolecular displacer. Journal of Chromatography A, 2014, 1369, 98-104.	3.7	12
50	Detection of A $\beta$ -interacting proteins via a novel A $\beta$ -adsorbents that use immobilized regular comb polymer. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 971, 94-98.	2.3	0
51	Application of cyclodextrin-based eluents in hydrophobic charge-induction chromatography: Elution of antibody at neutral pH. Journal of Chromatography A, 2014, 1352, 62-68.	3.7	16
52	Stability of polydopamine and poly(DOPA) melanin-like films on the surface of polymer membranes under strongly acidic and alkaline conditions. Colloids and Surfaces B: Biointerfaces, 2013, 110, 22-28.	5.0	210
53	Amelioration of experimental autoimmune myasthenia gravis rats by blood purification treatment using 4-mercaptoethylpyridine-based adsorbent. Journal of Biomedical Materials Research - Part A, 2011, 98A, 589-595.	4.0	9
54	An Adsorbent for Extracorporeal Elimination of Pathogenic Autoantibodies. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0