

# Lin-Yue Lanry Yung

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

3,784  
citations

147801

31  
h-index

138484

58  
g-index

61  
all docs

61  
docs citations

61  
times ranked

6981  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autophagy and oxidative stress associated with gold nanoparticles. <i>Biomaterials</i> , 2010, 31, 5996-6003.	11.4	449
2	An aligned nanofibrous collagen scaffold by electrospinning and its effects on in vitro fibroblast culture. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 79A, 456-463.	4.0	295
3	Gold nanoparticles in cancer therapy. <i>Acta Pharmacologica Sinica</i> , 2011, 32, 983-990.	6.1	243
4	Nanoparticle-induced pulmonary toxicity. <i>Experimental Biology and Medicine</i> , 2010, 235, 1025-1033.	2.4	216
5	Gold Nanoparticles Induce Oxidative Damage in Lung Fibroblasts In Vitro. <i>Advanced Materials</i> , 2008, 20, 138-142.	21.0	182
6	On-chip measurements of cell compressibility via acoustic radiation. <i>Lab on A Chip</i> , 2011, 11, 4072.	6.0	141
7	Localized surface plasmon resonance: a unique property of plasmonic nanoparticles for nucleic acid detection. <i>Nanoscale</i> , 2013, 5, 12043.	5.6	125
8	Translocation and effects of gold nanoparticles after inhalation exposure in rats. <i>Nanotoxicology</i> , 2007, 1, 235-242.	3.0	121
9	Selectivity of folate conjugated polymer micelles against different tumor cells. <i>International Journal of Pharmaceutics</i> , 2008, 349, 256-268.	5.2	121
10	Probing High Affinity Sequences of DNA Aptamer against VEGF165. <i>PLoS ONE</i> , 2012, 7, e31196.	2.5	112
11	<i>Drosophila melanogaster</i> as a model organism to study nanotoxicity. <i>Nanotoxicology</i> , 2015, 9, 396-403.	3.0	102
12	Synergistic co-delivery of doxorubicin and paclitaxel using multi-functional micelles for cancer treatment. <i>International Journal of Pharmaceutics</i> , 2013, 454, 486-495.	5.2	93
13	Decorating Liquid Crystal Surfaces with Proteins for Real-Time Detection of Specific Protein-Protein Binding. <i>Advanced Functional Materials</i> , 2009, 19, 3574-3579.	14.9	91
14	Dielectrophoretic capture voltage spectrum for measurement of dielectric properties and separation of cancer cells. <i>Biomicrofluidics</i> , 2012, 6, 14113-1411310.	2.4	82
15	The induction of epigenetic regulation of PROS1 gene in lung fibroblasts by gold nanoparticles and implications for potential lung injury. <i>Biomaterials</i> , 2011, 32, 7609-7615.	11.4	81
16	An Air-Supported Liquid Crystal System for Real-Time and Label-Free Characterization of Phospholipases and Their Inhibitors. <i>Advanced Functional Materials</i> , 2008, 18, 2938-2945.	14.9	74
17	Clathrin-Mediated Endocytosis of Gold Nanoparticles In Vitro. <i>Anatomical Record</i> , 2015, 298, 418-427.	1.4	74
18	Rational design of hybridization chain reaction monomers for robust signal amplification. <i>Chemical Communications</i> , 2016, 52, 4219-4222.	4.1	73

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19	Genomic instability of gold nanoparticle treated human lung fibroblast cells. <i>Biomaterials</i> , 2011, 32, 5515-5523.	11.4	68
20	A liquid crystal-based sensor for real-time and label-free identification of phospholipase-like toxins and their inhibitors. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2289-2293.	10.1	66
21	Imaging the disruption of phospholipid monolayer by protein-coated nanoparticles using ordering transitions of liquid crystals. <i>Biomaterials</i> , 2009, 30, 843-849.	11.4	61
22	Nanoparticle-based detection and quantification of DNA with single nucleotide polymorphism (SNP) discrimination selectivity. <i>Nucleic Acids Research</i> , 2007, 35, e111.	14.5	59
23	Ethylenediamine-Assisted Ligand Exchange and Phase Transfer of Oleophilic Quantum Dots: Stripping of Original Ligands and Preservation of Photoluminescence. <i>Chemistry of Materials</i> , 2013, 25, 2193-2201.	6.7	57
24	Silver nanoparticles disrupt germline stem cell maintenance in the <i>Drosophila</i> testis. <i>Scientific Reports</i> , 2016, 6, 20632.	3.3	54
25	Enhanced biological stability of collagen with incorporation of PAMAM dendrimer. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 91A, 114-122.	4.0	46
26	Coating Engineering of MnFe <sub>2</sub> O <sub>4</sub> Nanoparticles with Superhigh T <sub>2</sub> Relaxivity and Efficient Cellular Uptake for Highly Sensitive Magnetic Resonance Imaging. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300069.	3.7	46
27	Addition of TPGS to folate-conjugated polymer micelles for selective tumor targeting. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 91A, 505-518.	4.0	42
28	Rapid and Label-Free Single-Nucleotide Discrimination via an Integrative Nanoparticle-Nanopore Approach. <i>ACS Nano</i> , 2012, 6, 8815-8823.	14.6	40
29	Detection of Dissolved CO <sub>2</sub> Based on the Aggregation of Gold Nanoparticles. <i>Analytical Chemistry</i> , 2014, 86, 2429-2435.	6.5	37
30	Engineering a robust DNA split proximity circuit with minimized circuit leakage. <i>Nucleic Acids Research</i> , 2016, 44, e121-e121.	14.5	35
31	Localized Visualization and Autonomous Detection of Cell Surface Receptor Clusters Using DNA Proximity Circuit. <i>Analytical Chemistry</i> , 2018, 90, 6193-6198.	6.5	34
32	Investigating the Antiproliferative Activity of High Affinity DNA Aptamer on Cancer Cells. <i>PLoS ONE</i> , 2013, 8, e50964.	2.5	34
33	Aqueous phase synthesis of widely tunable photoluminescence emission CdTe/CdS core/shell quantum dots under a totally ambient atmosphere. <i>Journal of Materials Chemistry</i> , 2012, 22, 16336.	6.7	31
34	Folate-Conjugated Polymer Micelles with pH-Triggered Drug Release Properties. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1163-1169.	3.9	30
35	Toxicological profile of small airway epithelial cells exposed to gold nanoparticles. <i>Experimental Biology and Medicine</i> , 2013, 238, 1355-1361.	2.4	30
36	Altered protein expression profile associated with phenotypic changes in lung fibroblasts co-cultured with gold nanoparticle-treated small airway epithelial cells. <i>Biomaterials</i> , 2015, 39, 31-38.	11.4	29

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37	The effect of cholesterol on protein-coated gold nanoparticle binding to liquid crystal-supported models of cell membranes. <i>Biomaterials</i> , 2010, 31, 3008-3015.	11.4	28
38	DNA-Directed Assembly of Nanogold Dimers: A Unique Dynamic Light Scattering Sensing Probe for Transcription Factor Detection. <i>Scientific Reports</i> , 2016, 5, 18293.	3.3	28
39	Gold Nanoparticle-Enabled Dynamic Light Scattering Tandem for the Rapid and Quantitative Detection of the let7 MicroRNA Family. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 1260-1268.	2.3	24
40	Dimeric gold nanoparticle assembly for detection and discrimination of single nucleotide mutation in Duchenne muscular dystrophy. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2021-2025.	10.1	22
41	The role of spacer sequence in modulating turn-on fluorescence of DNA-templated silver nanoclusters. <i>Nucleic Acids Research</i> , 2018, 46, 6974-6982.	14.5	20
42	Formation and Self-assembly of Gold Nanoplates through an Interfacial Reaction for Surface-Enhanced Raman Scattering. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 15567-15573.	8.0	19
43	miR-128 Regulates Genes Associated with Inflammation and Fibrosis of Rat Kidney Cells <i>In Vitro</i> . <i>Anatomical Record</i> , 2018, 301, 913-921.	1.4	19
44	Synthesis of Self-Stabilized Poly( <i>N</i> -(3-Amidino)-Aniline) Particles and their CO <sub>2</sub> -Responsive Properties. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 743-748.	2.3	16
45	Gold Nanoplate-Based 3D Hierarchical Microparticles: A Single Particle with High Surface-Enhanced Raman Scattering Enhancement. <i>Langmuir</i> , 2016, 32, 7854-7859.	3.5	16
46	Real-time monitoring of the Trojan-horse effect of silver nanoparticles by using a genetically encoded fluorescent cell sensor. <i>Nanoscale</i> , 2018, 10, 7726-7735.	5.6	16
47	Dynamically Elongated associative toehold for tuning DNA circuit kinetics and thermodynamics. <i>Nucleic Acids Research</i> , 2021, 49, 4258-4265.	14.5	14
48	Engineering self-contained DNA circuit for proximity recognition and localized signal amplification of target biomolecules. <i>Nucleic Acids Research</i> , 2014, 42, 9523-9530.	14.5	13
49	Potential use of cholecalciferol polyethylene glycol succinate as a novel pharmaceutical additive. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 84A, 954-964.	4.0	12
50	Controlled microscale diffusion gradients in quiescent extracellular fluid. <i>Biomedical Microdevices</i> , 2010, 12, 523-532.	2.8	11
51	Gold nanostructures for the multiplex detection of glucose-6-phosphate dehydrogenase gene mutations. <i>Analytical Biochemistry</i> , 2014, 451, 56-62.	2.4	10
52	Analysis of metallic nanoparticle-DNA assembly formation in bulk solution via localized surface plasmon resonance shift. <i>RSC Advances</i> , 2012, 2, 5154.	3.6	8
53	Inflammatory Changes in Lung Tissues Associated with Altered Inflammation-Related MicroRNA Expression after Intravenous Administration of Gold Nanoparticles <i>In Vivo</i> . <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1959-1967.	5.2	8
54	Toehold-mediated internal control to probe the near-field interaction between the metallic nanoparticle and the fluorophore. <i>Nanoscale</i> , 2014, 6, 12515-12523.	5.6	7

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55	Design of Split Proximity Circuit as a Plug-and-Play Translator for Point Mutation Discrimination. <i>Analytical Chemistry</i> , 2020, 92, 11164-11170.	6.5	7
56	Head-to-tail: hybridization and single-mismatch discrimination in metallic nanoparticle-DNA assembly. <i>RSC Advances</i> , 2013, 3, 6076.	3.6	5
57	Detection of G-Quadruplex Formation via Light Scattering of Defined Gold Nanoassemblies Modulated by Molecular Hairpins. <i>Bioconjugate Chemistry</i> , 2016, 27, 1236-1243.	3.6	3
58	Harnessing the Immunogenic Potential of Gold Nanoparticle-Based Platforms as a Therapeutic Strategy in Breast Cancer Immunotherapy: A Mini Review. <i>Frontiers in Immunology</i> , 2022, 13, 865554.	4.8	3
59	Dynamic Stabilization of DNA Assembly by Using Pyrrole-imidazole Polyamide. <i>ChemBioChem</i> , 2020, 21, 2912-2915.	2.6	1
60	Surface wettability improvement of silicone elastomers synthesized with water-soluble polyacrylic acid molds. <i>Journal of Applied Polymer Science</i> , 2003, 89, 3786-3789.	2.6	0
61	DNA Proximity Circuit a Universal Platform for Analyzing Biomarkers. , 2021, , 599-608.		0