

Annie Ho

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83 papers	4,149 citations	30 h-index	64 g-index
84 ext. papers	4,461 ext. citations	7.2 avg, IF	5.57 L-index

#	Paper	IF	Citations
83	Noninvasive assessment of liver function reserve with fluorescent dosimetry of indocyanine green.. <i>Biomedical Optics Express</i> , 2022 , 13, 1995-2005	3.5	0
82	Evaluation of the apolipoprotein E (apoE)-HDL-associated risk factors for coronary heart disease using duo-functional electrochemical aptasensor.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	1
81	Applications of triplex DNA nanostructures in sensor development.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	2
80	Cyano Derivatives of 7-Aminoquinoline That Are Highly Emissive in Water: Potential for Sensing Applications. <i>Chemistry - A European Journal</i> , 2021 , 27, 8040-8047	4.8	1
79	Amplification-free Detection of Cytomegalovirus miRNA Using a Modification-free Surface Plasmon Resonance Biosensor. <i>Analytical Chemistry</i> , 2021 , 93, 8002-8009	7.8	7
78	A disposable electrochemical sensor designed to estimate glycated hemoglobin (HbA1c) level in whole blood. <i>Sensors and Actuators B: Chemical</i> , 2021 , 329, 129119	8.5	6
77	Applications of Metals, Metal Oxides, and Metal Sulfides in Electrochemical Sensing and Biosensing. <i>Environmental Chemistry for A Sustainable World</i> , 2021 , 209-244	0.8	0
76	Targeting triple-negative breast cancer with an aptamer-functionalized nanoformulation: a synergistic treatment that combines photodynamic and bioreductive therapies. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 89	9.4	4
75	Imaging of Cancer Cells and Dictated Cytotoxicity Using Aptamer-Guided Hybridization Chain Reaction (HCR)-Generated G-Quadruplex Chains. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21673-21678	16.4	7
74	Imaging of Cancer Cells and Dictated Cytotoxicity Using Aptamer-Guided Hybridization Chain Reaction (HCR)-Generated G-Quadruplex Chains. <i>Angewandte Chemie</i> , 2021 , 133, 21841-21846	3.6	1
73	Simple and Cost-effective Enzymatic Detection of Cholesterol Using Flow Injection Analysis. <i>Analytical Sciences</i> , 2020 , 36, 1119-1124	1.7	2
72	Diagnosing the RGS11 Lung Cancer Biomarker: The Integration of Competitive Immunoassay and Isothermal Nucleic Acid Exponential Amplification Reaction. <i>Analytical Chemistry</i> , 2019 , 91, 3327-3335	7.8	6
71	Simple aminophenol-based electrochemical probes for non-enzymatic, dual amperometric detection of NADH and hydrogen peroxide. <i>Talanta</i> , 2019 , 200, 450-457	6.2	30
70	Target-Triggered, Dual Amplification Strategy for Sensitive Electrochemical Detection of a Lymphoma-associated MicroRNA. <i>Electrochimica Acta</i> , 2017 , 236, 190-197	6.7	15
69	An innovative application of time-domain spectroscopy on localized surface plasmon resonance sensing. <i>Scientific Reports</i> , 2017 , 7, 44555	4.9	4
68	Tyramine detection using PEDOT:PSS/AuNPs/1-methyl-4-mercaptopyridine modified screen-printed carbon electrode with molecularly imprinted polymer solid phase extraction. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 142-149	11.8	29
67	Chemopreventive Potential of Ethanolic Extracts of Luobuma Leaves (<i>Apocynum venetum</i> L.) in Androgen Insensitive Prostate Cancer. <i>Nutrients</i> , 2017 , 9,	6.7	11

66	Use of liposomal amplifiers in total internal reflection fluorescence fiber-optic biosensors for protein detection. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 1201-7	11.8	16
65	Gold Nanocluster-Assisted Fluorescent Detection for Hydrogen Peroxide and Cholesterol Based on the Inner Filter Effect of Gold Nanoparticles. <i>Analytical Chemistry</i> , 2015 , 87, 10362-7	7.8	172
64	Synergism through combination of chemotherapy and oxidative stress-induced autophagy in A549 lung cancer cells using redox-responsive nanohybrids: a new strategy for cancer therapy. <i>Biomaterials</i> , 2015 , 42, 30-41	15.6	40
63	Diagnosing the miR-141 prostate cancer biomarker using nucleic acid-functionalized CdSe/ZnS QDs and telomerase. <i>Chemical Science</i> , 2015 , 6, 659-665	9.4	92
62	Green Synthesis of Novel Polyaniline Nanofibers: Application in pH Sensing. <i>Molecules</i> , 2015 , 20, 18585-1868	9.6	22
61	Gallic acid induces necroptosis via TNF- β signaling pathway in activated hepatic stellate cells. <i>PLoS ONE</i> , 2015 , 10, e0120713	3.7	27
60	Resuscitation Using Liposomal Vasopressin in an Animal Model of Uncontrolled Hemorrhagic Shock. <i>PLoS ONE</i> , 2015 , 10, e0130655	3.7	0
59	Gold/phospholipid nanoconstructs as label-free optical probes for evaluating phospholipase A2 activity. <i>Biosensors and Bioelectronics</i> , 2014 , 52, 202-8	11.8	9
58	Improved activity of immobilized antibody by paratope orientation controller: probing paratope orientation by electrochemical strategy and surface plasmon resonance spectroscopy. <i>Biosensors and Bioelectronics</i> , 2014 , 55, 32-8	11.8	11
57	Facile preparation of high-quantum-yield gold nanoclusters: application to probing mercuric ions and biothiols. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 18824-31	9.5	84
56	Exploitation of stem-loop DNA as a dual-input gene sensing platform: extension to subtyping of influenza A viruses. <i>Chemical Science</i> , 2014 , 5, 4082	9.4	9
55	A 2,4-dinitrophenylhydrazine/kojic acid derivative as a simple colorimetric probe for determination of cupric ions in water. <i>Sensors and Actuators B: Chemical</i> , 2014 , 203, 204-208	8.5	5
54	Gold Nanobone/Carbon Nanotube Hybrids for the Efficient Nonenzymatic Detection of H ₂ O ₂ and Glucose. <i>Electroanalysis</i> , 2014 , 26, 1816-1823	3	10
53	Electrochemical sensor for multiplex screening of genetically modified DNA: identification of biotech crops by logic-based biomolecular analysis. <i>Biosensors and Bioelectronics</i> , 2013 , 50, 414-20	11.8	21
52	Green synthesis and characterization of novel gold nanocomposites for electrochemical sensing applications. <i>Talanta</i> , 2013 , 117, 352-8	6.2	11
51	Phospholipid-functionalized mesoporous silica nanocarriers for selective photodynamic therapy of cancer. <i>Biomaterials</i> , 2013 , 34, 7462-70	15.6	72
50	Preparation of Liposomal Progesterone and Its Application on the Measurement of Progesterone Interpreted via Electrochemical and Colorimetric Sensing Platforms. <i>Electroanalysis</i> , 2013 , 25, 1017-1022	3	2
49	Multifunctional microelectrode array (mMEA) chip for neural-electrical and neural-chemical interfaces: characterization of comb interdigitated electrode towards dopamine detection. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 602-7	11.8	27

48	DOPA-mediated reduction allows the facile synthesis of fluorescent gold nanoclusters for use as sensing probes for ferric ions. <i>Analytical Chemistry</i> , 2012 , 84, 3246-53	7.8	254
47	Photocontrolled targeted drug delivery: photocaged biologically active folic acid as a light-responsive tumor-targeting molecule. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 8806-10	16.4	172
46	Template-free synthesis of an electroactive Au-Calix-PPY nanocomposite for electrochemical sensor applications. <i>Green Chemistry</i> , 2012 , 14, 799	10	14
45	Efficient electrocatalytic oxidation of water: minimization of catalyst loading by an electrostatic assembly of hydrous iridium oxide colloids. <i>RSC Advances</i> , 2012 , 2, 4092	3.7	23
44	Synthesis, characterization, and electrochemical applications of carbon nanoparticles derived from castor oil soot. <i>Talanta</i> , 2012 , 88, 445-9	6.2	23
43	Electrochemical immunosensor for multiplexed detection of food-borne pathogens using nanocrystal bioconjugates and MWCNT screen-printed electrode. <i>Talanta</i> , 2012 , 94, 315-9	6.2	119
42	Monitoring the subcellular localization of doxorubicin in CHO-K1 using MEKC-LIF: liposomal carrier for enhanced drug delivery. <i>Talanta</i> , 2012 , 99, 683-8	6.2	19
41	Development of an immunopredictor for the evaluation of the risk of cardiovascular diseases based on the level of soluble P-selectin. <i>Methods</i> , 2012 , 56, 223-9	4.6	6
40	Dual polarization interferometric and capillary electrophoretic analysis of supported lipid bilayer constructed on silica-based surface: evaluation of its anti-protein adsorption effect. <i>Analytica Chimica Acta</i> , 2012 , 714, 127-33	6.6	7
39	Optical aptasensors for the analysis of the vascular endothelial growth factor (VEGF). <i>Analytical Chemistry</i> , 2012 , 84, 6192-8	7.8	161
38	Nanotheranostics--a review of recent publications. <i>International Journal of Nanomedicine</i> , 2012 , 7, 4679-95	9.5	86
37	A Tunable Multicolor Photoluminescent Nanocarbon Prepared from Castor Oil Soot. <i>Journal of the Chinese Chemical Society</i> , 2012 , 59, 802-808	1.5	4
36	Photocontrolled Targeted Drug Delivery: Photocaged Biologically Active Folic Acid as a Light-Responsive Tumor-Targeting Molecule. <i>Angewandte Chemie</i> , 2012 , 124, 8936-8940	3.6	20
35	Binding kinetics of biomolecule interaction at ultralow concentrations based on gold nanoparticle enhancement. <i>Analytical Chemistry</i> , 2011 , 83, 3290-6	7.8	10
34	Dynamic Probing of Nanoparticle Stability In Vivo: A Liposomal Model Assessed Using In Situ Microdialysis and Optical Imaging. <i>Journal of Nanomaterials</i> , 2011 , 2011, 1-8	3.2	5
33	Diagnostic detection of human lung cancer-associated antigen using a gold nanoparticle-based electrochemical immunosensor. <i>Analytical Chemistry</i> , 2010 , 82, 5944-50	7.8	155
32	Au nanocube-directed fabrication of Au-Pd core-shell nanocrystals with tetrahedral, concave octahedral, and octahedral structures and their electrocatalytic activity. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14546-53	16.4	344
31	Biofunctionalized phospholipid-capped mesoporous silica nanoshuttles for targeted drug delivery: improved water suspensibility and decreased nonspecific protein binding. <i>ACS Nano</i> , 2010 , 4, 4371-9	16.7	197

30	Antioxidant, anti-inflammatory and anti-browning activities of hot water extracts of oriental herbal teas. <i>Food and Function</i> , 2010 , 1, 200-8	6.1	22
29	Facile surface functionalization of nanodiamonds. <i>Langmuir</i> , 2010 , 26, 3685-9	4	65
28	Localized Surface Plasmon Coupled Fluorescence Fiber Optic Based Biosensing 2010 , 183-259		0
27	Liposome-based immunoaffinity chromatographic assay for the quantitation of immunoglobulin E in human serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010 , 878, 172-6	3.2	9
26	Synthesis of N-modified sTn analogs and evaluation of their immunogenicities by microarray-based immunoassay. <i>Tetrahedron</i> , 2010 , 66, 7510-7519	2.4	27
25	Ultrasensitive electrochemical detection of biotin using electrically addressable site-oriented antibody immobilization approach via aminophenyl boronic acid. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 1021-7	11.8	77
24	Photochemical activities of N-nitroso carboxamides and sulfoximides and their application to DNA cleavage. <i>Chemistry - A European Journal</i> , 2009 , 15, 8742-50	4.8	8
23	Disposable electrochemical immunosensor for carcinoembryonic antigen using ferrocene liposomes and MWCNT screen-printed electrode. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 1984-9	11.8	129
22	Folic acid-anchored PEGgylated phospholipid bioconjugate and its application in a liposomal immunodiagnostic assay for folic acid. <i>Analytical Chemistry</i> , 2009 , 81, 5671-7	7.8	13
21	DAST-mediated regioselective anomeric group migration in saccharides. <i>Journal of Organic Chemistry</i> , 2009 , 74, 4041-8	4.2	24
20	Antioxidant activity and melanogenesis inhibitory effect of the acetonic extract of <i>Osmanthus fragrans</i> : A potential natural and functional food flavor additive. <i>LWT - Food Science and Technology</i> , 2009 , 42, 1513-1519	5.4	53
19	The Comparison Between the Graded Photonic Crystal Coupler and Various Couplers. <i>Journal of Lightwave Technology</i> , 2009 , 27, 2570-2574	4	21
18	Carbon nanoparticle-enhanced immuno-electrochemical detection for protein tumor marker with cadmium sulfide biotracers. <i>Analytical Chemistry</i> , 2009 , 81, 1340-6	7.8	131
17	Attomole DNA electrochemical sensor for the detection of <i>Escherichia coli</i> O157. <i>Analytical Chemistry</i> , 2009 , 81, 2470-6	7.8	117
16	Gold-nanostructured immunosensor for the electrochemical sensing of biotin based on liposomal competitive assay. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 2324-9	1.3	17
15	Using liposomal fluorescent biolabels to develop an immunoaffinity chromatographic biosensing system for biotin. <i>Analytical Chemistry</i> , 2008 , 80, 6405-9	7.8	20
14	Liposome-based immunostrip for the rapid detection of <i>Salmonella</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 479-85	4.4	40
13	Microwave Arcing Induced Formation and Growth Mechanisms of Core/Shell Metal/Carbon Nanoparticles in Organic Solutions. <i>Advanced Functional Materials</i> , 2008 , 18, 2048-2056	15.6	60

12	Application of ganglioside-sensitized liposomes in a flow injection immunoanalytical system for the determination of cholera toxin. <i>Analytical Chemistry</i> , 2007 , 79, 246-50	7.8	45
11	Dual electrochemical determination of glucose and insulin using enzyme and ferrocene microcapsules. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 1147-53	11.8	22
10	Development of a long-life capillary enzyme bioreactor for the determination of blood glucose. <i>Talanta</i> , 2007 , 71, 391-6	6.2	20
9	Rapid analysis of L-dopa in urine samples using gold nanoelectrode ensembles. <i>Talanta</i> , 2007 , 74, 229-34	6.2	18
8	Electrochemical immunosensor for cholera toxin using liposomes and poly(3,4-ethylenedioxythiophene)-coated carbon nanotubes. <i>Analytical Chemistry</i> , 2006 , 78, 1115-21	7.8	195
7	Antioxidant and antiproliferative activities of red pitaya. <i>Food Chemistry</i> , 2006 , 95, 319-327	8.5	290
6	Development of liposomal immunosensor for the measurement of insulin with femtomole detection. <i>Analytica Chimica Acta</i> , 2006 , 556, 127-32	6.6	24
5	Application of a liposomal bioluminescent label in the development of a flow injection immunoanalytical system. <i>Analytical Chemistry</i> , 2005 , 77, 3431-6	7.8	37
4	Antioxidant and antiproliferative activities of Spirulina and Chlorella water extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 4207-12	5.7	145
3	Liposome-based microcapillary immunosensor for detection of Escherichia coli O157:H7. <i>Analytical Biochemistry</i> , 2004 , 330, 342-9	3.1	63
2	Inhibitory effect of red koji extracts on mushroom tyrosinase. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 4240-6	5.7	31
1	Procedures for preparing Escherichia coli O157:H7 immunoliposome and its application in liposome immunoassay. <i>Analytical Chemistry</i> , 2003 , 75, 4330-4	7.8	51