

# Andy Ng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8739888/publications.pdf>

Version: 2024-02-01

32  
papers

1,703  
citations

361045

20  
h-index

454577

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2417  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long period grating based biosensor for the detection of Escherichia coli bacteria. <i>Biosensors and Bioelectronics</i> , 2012, 35, 308-312.	5.3	178
2	Duplexed aptamers: history, design, theory, and application to biosensing. <i>Chemical Society Reviews</i> , 2019, 48, 1390-1419.	18.7	149
3	Aptamer-Based Label-Free Impedimetric Biosensor for Detection of Progesterone. <i>Analytical Chemistry</i> , 2015, 87, 1075-1082.	3.2	140
4	Label-Free Voltammetric Aptasensor for the Sensitive Detection of Microcystin-LR Using Graphene-Modified Electrodes. <i>Analytical Chemistry</i> , 2014, 86, 7551-7557.	3.2	126
5	Selection and Identification of DNA Aptamers against Okadaic Acid for Biosensing Application. <i>Analytical Chemistry</i> , 2013, 85, 11794-11801.	3.2	117
6	Selection, Characterization, and Biosensing Application of High Affinity Congener-Specific Microcystin-Targeting Aptamers. <i>Environmental Science &amp; Technology</i> , 2012, 46, 10697-10703.	4.6	109
7	Detection of bacteria using bacteriophages as recognition elements immobilized on long-period fiber gratings. <i>Optics Express</i> , 2011, 19, 7971.	1.7	108
8	A simple cassette as point-of-care diagnostic device for naked-eye colorimetric bacteria detection. <i>Analyst</i> , The, 2014, 139, 482-487.	1.7	92
9	High-throughput real-time electrochemical monitoring of LAMP for pathogenic bacteria detection. <i>Biosensors and Bioelectronics</i> , 2014, 58, 101-106.	5.3	66
10	Label-free bacteria detection using evanescent mode of a suspended core terahertz fiber. <i>Optics Express</i> , 2012, 20, 5344.	1.7	64
11	Microfluidic chain reaction of structurally programmed capillary flow events. <i>Nature</i> , 2022, 605, 464-469.	13.7	61
12	Ultra-rapid colorimetric assay for protease detection using magnetic nanoparticle-based biosensors. <i>Analyst</i> , The, 2013, 138, 3735.	1.7	51
13	Improving solubility and refolding efficiency of human VHs by a novel mutational approach. <i>Protein Engineering, Design and Selection</i> , 2006, 19, 503-509.	1.0	50
14	Ensemble multicolour FRET model enables barcoding at extreme FRET levels. <i>Nature Nanotechnology</i> , 2018, 13, 925-932.	15.6	49
15	Microfluidic Capillary Circuit for Rapid and Facile Bacteria Detection. <i>Analytical Chemistry</i> , 2017, 89, 6846-6853.	3.2	45
16	A novel and rapid assay for HIV-1 protease detection using magnetic bead mediation. <i>Biosensors and Bioelectronics</i> , 2013, 41, 335-341.	5.3	42
17	Sensitive Detection of ssDNA Using an LRET-Based Upconverting Nanohybrid Material. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 18257-18265.	4.0	40
18	Comprehensive profiling of the ligand binding landscapes of duplexed aptamer families reveals widespread induced fit. <i>Nature Communications</i> , 2018, 9, 343.	5.8	40

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19	Design and Solution Structure of a Well-Folded Stack of Two $\hat{I}^2$ -Hairpins Based on the Amino-Terminal Fragment of Human Granulin $\hat{A}$ . <i>Biochemistry</i> , 2000, 39, 2878-2886.	1.2	34
20	Complementary oligonucleotides regulate induced fit ligand binding in duplexed aptamers. <i>Chemical Science</i> , 2017, 8, 2251-2256.	3.7	27
21	Wash-less and highly sensitive assay for prostate specific antigen detection. <i>Analyst, The</i> , 2012, 137, 5614.	1.7	20
22	One-Step Assay for Optical Prostate Specific Antigen Detection Using Magnetically Engineered Responsive Thin Film. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 1123-1129.	0.5	17
23	Mechanically Matched Silicone Brain Implants Reduce Brain Foreign Body Response. <i>Advanced Materials Technologies</i> , 2021, 6, 2000909.	3.0	16
24	Molecular Interactions of the $G\hat{I}^2$ Binding Domain of the Ste20p/PAK Family of Protein Kinases. <i>Journal of Biological Chemistry</i> , 2001, 276, 41205-41212.	1.6	14
25	Recent progress in prostate-specific antigen and HIV proteases detection. <i>Expert Review of Molecular Diagnostics</i> , 2013, 13, 707-718.	1.5	13
26	Development of an Anti-Vascular Cell Adhesion Protein-1 Aptamer for Molecular Imaging and Inflammation Detection in Transgenic. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 2264-2274.	0.5	10
27	A versatile snap chip for high-density sub-nanoliter chip-to-chip reagent transfer. <i>Scientific Reports</i> , 2015, 5, 11688.	1.6	8
28	Identification of a Thrombin-Binding Region in the Sixth Epidermal Growth Factor-like Repeat of Human Thrombomodulin. <i>Biochemistry</i> , 2000, 39, 10365-10372.	1.2	7
29	The Mini Colon Model: a benchtop multi-bioreactor system to investigate the gut microbiome. <i>Gut Microbes</i> , 2022, 14, .	4.3	7
30	Spatial Bias in Antibody Microarrays May Be an Underappreciated Source of Variability. <i>ACS Sensors</i> , 2021, 6, 1796-1806.	4.0	3
31	A novel assay for rapid HIV-1 protease detection using optical sensors and magnetic carriers. , 2012, , .		0
32	Design, Selection and Binding Mechanism of Bivalent Mini-proteins Targeting Human Thrombin. <i>Advances in Experimental Medicine and Biology</i> , 2009, 611, 417-418.	0.8	0