

# Danke Xu

## List of Publications by Year in descending order

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59  
papers

1,907  
citations

218677

26  
h-index

265206

42  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2888  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioinspired polydopamine nanospheres: a superquencher for fluorescence sensing of biomolecules. <i>Chemical Science</i> , 2014, 5, 3018-3024.	7.4	226
2	Ultrasensitive Electrochemical Detection For DNA Arrays Based on Silver Nanoparticle Aggregates. <i>Analytical Chemistry</i> , 2010, 82, 5477-5483.	6.5	154
3	Aptamer/Polydopamine Nanospheres Nanocomplex for in Situ Molecular Sensing in Living Cells. <i>Analytical Chemistry</i> , 2015, 87, 12190-12196.	6.5	86
4	Fluorescence Enhancement of Silver Nanoparticle Hybrid Probes and Ultrasensitive Detection of IgE. <i>Analytical Chemistry</i> , 2011, 83, 8945-8952.	6.5	80
5	In-depth serum proteomics reveals biomarkers of psoriasis severity and response to traditional Chinese medicine. <i>Theranostics</i> , 2019, 9, 2475-2488.	10.0	76
6	Aptamer-functionalized nano/micro-materials for clinical diagnosis: isolation, release and bioanalysis of circulating tumor cells. <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 188-205.	1.3	61
7	COVID-19 diagnostic testing: Technology perspective. <i>Clinical and Translational Medicine</i> , 2020, 10, e158.	4.0	61
8	Selection of aptamers based on a protein microarray integrated with a microfluidic chip. <i>Lab on A Chip</i> , 2017, 17, 178-185.	6.0	59
9	Characterizing the interaction between aptamers and human IgE by use of surface plasmon resonance. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1059-1065.	3.7	57
10	Bivalent Aptasensor Based on Silver-Enhanced Fluorescence Polarization for Rapid Detection of Lactoferrin in Milk. <i>Analytical Chemistry</i> , 2017, 89, 5900-5908.	6.5	57
11	A fluorescent biosensing platform based on the polydopamine nanospheres intergrating with Exonuclease III-assisted target recycling amplification. <i>Biosensors and Bioelectronics</i> , 2015, 71, 143-149.	10.1	48
12	MoS <sub>2</sub> /Ag nanohybrid: A novel matrix with synergistic effect for small molecule drugs analysis by negative-ion matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Analytica Chimica Acta</i> , 2016, 937, 87-95.	5.4	48
13	Smartphone-based visualized microarray detection for multiplexed harmful substances in milk. <i>Biosensors and Bioelectronics</i> , 2017, 87, 874-880.	10.1	47
14	Microfluidic chip-based silver nanoparticles aptasensor for colorimetric detection of thrombin. <i>Talanta</i> , 2016, 150, 81-87.	5.5	46
15	Multifunctional Aptamer-Silver Conjugates as Theragnostic Agents for Specific Cancer Cell Therapy and Fluorescence-Enhanced Cell Imaging. <i>Analytical Chemistry</i> , 2015, 87, 3736-3745.	6.5	44
16	A novel aptasensor based on silver nanoparticle enhanced fluorescence. <i>Biosensors and Bioelectronics</i> , 2012, 32, 76-81.	10.1	42
17	Silver Decahedral Nanoparticles-Enhanced Fluorescence Resonance Energy Transfer Sensor for Specific Cell Imaging. <i>Analytical Chemistry</i> , 2015, 87, 3826-3833.	6.5	41
18	Enzyme-free fluorescence microarray for determination of hepatitis B virus DNA based on silver nanoparticle aggregates-assisted signal amplification. <i>Analytica Chimica Acta</i> , 2019, 1077, 297-304.	5.4	39

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19	Silver enhanced ratiometric nanosensor based on two adjustable Fluorescence Resonance Energy Transfer modes for quantitative protein sensing. <i>Biosensors and Bioelectronics</i> , 2017, 87, 428-432.	10.1	33
20	A non-aggregation colorimetric assay for thrombin based on catalytic properties of silver nanoparticles. <i>Analytica Chimica Acta</i> , 2014, 807, 120-125.	5.4	32
21	Fast functionalization of silver decahedral nanoparticles with aptamers for colorimetric detection of human platelet-derived growth factor-BB. <i>Analytica Chimica Acta</i> , 2014, 829, 48-53.	5.4	30
22	Simultaneous detection of four nitrofurantoin metabolites in honey by using a visualized microarray screen assay. <i>Food Chemistry</i> , 2017, 221, 1813-1821.	8.2	30
23	Aptamers-based sandwich assay for silver-enhanced fluorescence multiplex detection. <i>Analytica Chimica Acta</i> , 2016, 905, 149-155.	5.4	29
24	Silver decahedral nanoparticles empowered SPR imaging-SELEX for high throughput screening of aptamers with real-time assessment. <i>Biosensors and Bioelectronics</i> , 2018, 109, 206-213.	10.1	29
25	Highly Integrated Microfluidic Chip Coupled to Mass Spectrometry for Online Analysis of Residual Quinolones in Milk. <i>Analytical Chemistry</i> , 2019, 91, 13418-13426.	6.5	29
26	PolyA-tailed and fluorophore-labeled aptamer-gold nanoparticle conjugate for fluorescence turn-on bioassay using iodide-induced ligand displacement. <i>Biosensors and Bioelectronics</i> , 2015, 66, 43-49.	10.1	28
27	A novel method combining aptamer-Ag1ONPs based microfluidic biochip with bright field imaging for detection of KPC-2-expressing bacteria. <i>Analytica Chimica Acta</i> , 2020, 1132, 20-27.	5.4	26
28	Disposable MoS <sub>2</sub> -Arrayed MALDI MS Chip for High-Throughput and Rapid Quantification of Sulfonamides in Multiple Real Samples. <i>ACS Sensors</i> , 2018, 3, 806-814.	7.8	24
29	Selection of a Novel DNA Aptamer for Assay of Intracellular Interferon-Gamma. <i>PLoS ONE</i> , 2014, 9, e98214.	2.5	22
30	Label-free detection of adenosine based on fluorescence resonance energy transfer between fluorescent silica nanoparticles and unmodified gold nanoparticles. <i>Analytica Chimica Acta</i> , 2014, 828, 92-98.	5.4	21
31	A fluorescent microarray platform based on catalytic hairpin assembly for MicroRNAs detection. <i>Analytica Chimica Acta</i> , 2021, 1173, 338666.	5.4	21
32	Encapsulation of 10-Hydroxy Camptothecin in Supramolecular Hydrogel as an Injectable Drug Delivery System. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 2266-2275.	3.3	20
33	Aptamer-functionalized silver nanoparticles for scanometric detection of platelet-derived growth factor-BB. <i>Analytica Chimica Acta</i> , 2014, 812, 152-160.	5.4	18
34	An on-chip electrochemical sensor by integrating ITO three-electrode with low-volume cell for on-line determination of trace Hg(II). <i>Journal of Electroanalytical Chemistry</i> , 2019, 848, 113189.	3.8	17
35	Simultaneous detection of $\hat{1}\pm$ -Lactalbumin, $\hat{1}^2$ -Lactoglobulin and Lactoferrin in milk by Visualized Microarray. <i>BMC Biotechnology</i> , 2017, 17, 72.	3.3	16
36	Advances in cell-free protein array methods. <i>Expert Review of Proteomics</i> , 2018, 15, 1-11.	3.0	15

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37	Multivalent aptasensor array and silver aggregated amplification for multiplex detection in microfluidic devices. <i>Talanta</i> , 2018, 188, 417-422.	5.5	15
38	Selection of aptamers against Lactoferrin based on silver enhanced and fluorescence-activated cell sorting. <i>Talanta</i> , 2019, 193, 110-117.	5.5	15
39	DNA Array Biosensor Based on Electrochemical Hybridization and Detection. <i>Analytical Letters</i> , 2005, 38, 2567-2578.	1.8	14
40	Metal enhanced fluorescent biosensing assays for DNA through the coupling of silver nanoparticles. <i>Analytical Methods</i> , 2013, 5, 629-635.	2.7	13
41	Solid phase extraction based microfluidic chip coupled with mass spectrometry for rapid determination of aflatoxins in peanut oil. <i>Microchemical Journal</i> , 2021, 167, 106298.	4.5	13
42	A Cascaded DNA Circuit in Bead Arrays for Quantitative Single-Cell MicroRNA Analysis. <i>Analytical Chemistry</i> , 2021, 93, 11617-11625.	6.5	13
43	On-line multi-residue analysis of fluoroquinolones and amantadine based on an integrated microfluidic chip coupled to triple quadrupole mass spectrometry. <i>Analytical Methods</i> , 2020, 12, 5322-5331.	2.7	12
44	Rhodamine B doped silica nanoparticle labels for protein microarray detection. <i>Science China Chemistry</i> , 2010, 53, 747-751.	8.2	11
45	High-density micro-well array with aptamer-silver conjugates for cell sorting and imaging at single cells. <i>Analytica Chimica Acta</i> , 2019, 1063, 127-135.	5.4	10
46	Sensitive and enzyme-free fluorescence polarization detection for miRNA-21 based on decahedral silver nanoparticles and strand displacement reaction. <i>RSC Advances</i> , 2020, 10, 17037-17044.	3.6	10
47	Integrated microfluidic chip coupled to mass spectrometry: A minireview of chip pretreatment methods and applications. <i>Journal of Chromatography Open</i> , 2021, 1, 100021.	2.2	10
48	Elimination terminal fixed region screening and high-throughput kinetic determination of aptamer for lipocalin-1 by surface plasmon resonance imaging. <i>Analytica Chimica Acta</i> , 2018, 1043, 158-166.	5.4	8
49	MoS <sub>2</sub> -Assisted LDI Mass Spectrometry for the Detection of Small Molecules and Quantitative Analysis of Sulfonamides in Serum. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2463-2471.	2.8	8
50	Highly-sensitive and simple fluorescent aptasensor for 17 $\beta$ -estradiol detection coupled with HCR-HRP structure. <i>Talanta</i> , 2022, 240, 123094.	5.5	8
51	The discovery of lactoferrin dual aptamers through surface plasmon resonance imaging combined with a bioinformation analysis. <i>Analyst</i> , The, 2020, 145, 6298-6306.	3.5	6
52	A highly sensitive fluorescence turn-on platform with silver nanoparticles aptasensing for human platelet-derived growth factor-BB. <i>Talanta</i> , 2015, 144, 1273-1278.	5.5	5
53	Magnetic nanoparticles and polydopamine amplified FP aptasensor for the highly sensitive detection of rHuEPO-I $\pm$ . <i>Talanta</i> , 2018, 189, 143-149.	5.5	5
54	Rapid selection of aptamers based on protein microarray. <i>RSC Advances</i> , 2019, 9, 9762-9768.	3.6	5

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55	Screening aptamers for serine $\beta$ -lactamase-expressing bacteria with Precision-SELEX. <i>Talanta</i> , 2021, 224, 121750.	5.5	4
56	Simultaneous Detection of Four Mycotoxins in Cereals and Edible Oils by Using a Colorimetric Protein Microarray. <i>ACS Food Science &amp; Technology</i> , 2022, 2, 993-999.	2.7	4
57	A Highly-Sensitive Colorimetric Assay Method for Antibody Array Based on a Tyramide Signal Amplification System. <i>Analytical Letters</i> , 2012, 45, 219-226.	1.8	3
58	Fully Automatic Multi-Class Multi-Residue Analysis of Veterinary Drugs Simultaneously in an Integrated Chip-MS Platform. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 14320-14329.	5.2	3
59	Accomplishment of one-step specific PCR and evaluated SELEX process by a dual-microfluidic amplified system. <i>Biomicrofluidics</i> , 2021, 15, 024107.	2.4	0