

# Yanyan Yu

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,738  
citations

279798

23  
h-index

289244

40  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2596  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct electron transfer of glucose oxidase and biosensing for glucose based on PDDA-capped gold nanoparticle modified graphene/multi-walled carbon nanotubes electrode. <i>Biosensors and Bioelectronics</i> , 2014, 52, 147-152.	10.1	220
2	Reverse Transcription Recombinase Polymerase Amplification Coupled with CRISPR-Cas12a for Facile and Highly Sensitive Colorimetric SARS-CoV-2 Detection. <i>Analytical Chemistry</i> , 2021, 93, 4126-4133.	6.5	160
3	Ultrasensitive Electrochemical Detection of MicroRNA Based on an Arched Probe Mediated Isothermal Exponential Amplification. <i>Analytical Chemistry</i> , 2014, 86, 8200-8205.	6.5	149
4	Sensitive electrochemical aptamer cytosensor for highly specific detection of cancer cells based on the hybrid nanoelectrocatalysts and enzyme for signal amplification. <i>Biosensors and Bioelectronics</i> , 2016, 75, 301-307.	10.1	117
5	An electrochemical sensor for hydrazine and nitrite based on graphene-cobalt hexacyanoferrate nanocomposite: Toward environment and food detection. <i>Journal of Electroanalytical Chemistry</i> , 2015, 745, 80-87.	3.8	98
6	Ultrasensitive electrochemical detection of avian influenza A (H7N9) virus DNA based on isothermal exponential amplification coupled with hybridization chain reaction of DNAzyme nanowires. <i>Biosensors and Bioelectronics</i> , 2015, 64, 566-571.	10.1	83
7	Effects of Protein Corona on Active and Passive Targeting of Cyclic RGD Peptide-Functionalized PEGylation Nanoparticles. <i>Molecular Pharmaceutics</i> , 2018, 15, 5019-5030.	4.6	67
8	A repeatable assembling and disassembling electrochemical aptamer cytosensor for ultrasensitive and highly selective detection of human liver cancer cells. <i>Analytica Chimica Acta</i> , 2015, 885, 166-173.	5.4	66
9	Label-free electrochemical detection of HepG2 tumor cells with a self-assembled DNA nanostructure-based aptasensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 268, 359-367.	7.8	63
10	Selective and sensitive determination of uric acid in the presence of ascorbic acid and dopamine by PDDA functionalized graphene/graphite composite electrode. <i>Talanta</i> , 2013, 112, 31-36.	5.5	56
11	Engineering of exosome-triggered enzyme-powered DNA motors for highly sensitive fluorescence detection of tumor-derived exosomes. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112482.	10.1	55
12	Dual-Responsive Ratiometric Fluorescent Probe for Hypochlorite and Peroxynitrite Detection and Imaging In Vitro and In Vivo. <i>Analytical Chemistry</i> , 2022, 94, 1415-1424.	6.5	50
13	Facile and highly sensitive photoelectrochemical biosensing platform based on hierarchical architected polydopamine/tungsten oxide nanocomposite film. <i>Biosensors and Bioelectronics</i> , 2019, 126, 1-6.	10.1	46
14	One-step synthesis of potassium ferricyanide-doped polyaniline nanoparticles for label-free immunosensor. <i>Biosensors and Bioelectronics</i> , 2015, 68, 462-467.	10.1	40
15	A novel non-enzymatic hydrogen peroxide sensor based on poly-melamine film modified with platinum nanoparticles. <i>RSC Advances</i> , 2014, 4, 45185-45190.	3.6	36
16	A label-free hemin/G-quadruplex DNAzyme biosensor developed on electrochemically modified electrodes for detection of a HBV DNA segment. <i>RSC Advances</i> , 2015, 5, 11541-11548.	3.6	36
17	Target-Induced Core-Satellite Nanostructure Assembly Strategy for Dual-Signal-On Fluorescence Imaging and Raman Quantification of Intracellular MicroRNA Guided Photothermal Therapy. <i>Small</i> , 2020, 16, e2005511.	10.0	32
18	Rattle-Type Gold Nanorods/Porous-SiO <sub>2</sub> Nanocomposites as Near-Infrared Light-Activated Drug Delivery Systems for Cancer Combined Chemo-Photothermal Therapy. <i>Molecular Pharmaceutics</i> , 2019, 16, 1929-1938.	4.6	30

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19	Facile Construction of i-Motif DNA-Conjugated Gold Nanostars as Near-Infrared and pH Dual-Responsive Targeted Drug Delivery Systems for Combined Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2020, 17, 1127-1138.	4.6	28
20	In vivo monitoring of superoxide anion from Alzheimer's rat brains with functionalized ionic liquid polymer decorated microsensors. <i>Biosensors and Bioelectronics</i> , 2019, 144, 111665.	10.1	27
21	Protein corona pre-coating on redox-responsive chitosan-based nano-carriers for improving the therapeutic effect of nucleic acid drugs. <i>Carbohydrate Polymers</i> , 2021, 265, 118071.	10.2	25
22	Mesoporous silica-coated gold nanostars with drug payload for combined chemo-photothermal cancer therapy. <i>Journal of Drug Targeting</i> , 2019, 27, 201-210.	4.4	24
23	CRISPR-Cas12a-Based Aptasensor for On-Site and Highly Sensitive Detection of Microcystin-LR in Freshwater. <i>Environmental Science &amp; Technology</i> , 2022, 56, 4101-4110.	10.0	24
24	A novel three-dimensional microfluidic platform for on chip multicellular tumor spheroid formation and culture. <i>Microfluidics and Nanofluidics</i> , 2014, 17, 831-842.	2.2	23
25	Safety Assessment of 2D MXenes: In Vitro and In Vivo. <i>Nanomaterials</i> , 2022, 12, 828.	4.1	23
26	Microfluidic platform integrated with worm-counting setup for assessing manganese toxicity. <i>Biomicrofluidics</i> , 2014, 8, 054110.	2.4	22
27	Synergistic Effect of Graphene and Multiwalled Carbon Nanotubes on a Glassy Carbon Electrode for Simultaneous Determination of Uric Acid and Dopamine in the Presence of Ascorbic Acid. <i>Analytical Letters</i> , 2015, 48, 248-258.	1.8	20
28	Dynamic split G-quadruplex programmed reversible nanodevice. <i>Chemical Communications</i> , 2019, 55, 389-392.	4.1	17
29	Virus Mimetic Shell-Sheddable Chitosan Micelles for siVEGF Delivery and FRET-Traceable Acid-Triggered Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 53598-53614.	8.0	16
30	Determination of Sulfonamides in Pharmaceuticals and Rabbit Plasma by Microchip Electrophoresis with LED-IF Detection. <i>Chromatographia</i> , 2013, 76, 821-829.	1.3	12
31	Size-controllable preparation of palladium nanoparticles assembled on TiO <sub>2</sub> /graphene nanosheets and their electrocatalytic activity for glucose biosensing. <i>Analytical Methods</i> , 2013, 5, 7049.	2.7	12
32	A two-electrode system-based electrochemiluminescence detection for microfluidic capillary electrophoresis and its application in pharmaceutical analysis. <i>Luminescence</i> , 2014, 29, 427-432.	2.9	12
33	Proximity hybridization-mediated isothermal exponential amplification for ultrasensitive electrochemical protein detection. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 5903-5914.	6.7	10
34	Room-temperature oxidative Suzuki coupling reaction of 1,2,3-triazole N-oxides. <i>Tetrahedron Letters</i> , 2017, 58, 2969-2971.	1.4	9
35	Fluorescence resonance energy transfer-based DNA framework assembled split G-quadruplex nanodevices for microRNA sensing. <i>Chemical Communications</i> , 2020, 56, 13583-13586.	4.1	9
36	Nonenzymatic Electrochemical Immunosensor Using Ferroferric Oxide-Manganese Dioxide-Reduced Graphene Oxide Nanocomposite as Label for $\beta$ -Fetoprotein Detection. <i>Nano</i> , 2016, 11, 1650116.	1.0	7

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37	Programming a split G-quadruplex in a DNA nanocage and its microRNA imaging in live cells. <i>Chemical Communications</i> , 2019, 55, 5131-5134.	4.1	7
38	A beveled working electrode coupled to a sandglass shape detection cell: A strategy to improve the sensitivity of electrochemiluminescence detection in microchip electrophoresis. <i>Electrochimica Acta</i> , 2013, 90, 101-107.	5.2	3
39	Single nucleotide variant discrimination by toehold exchange spherical nucleic acids modulated on hierarchical molybdenum disulfide acanthospheres. <i>Chemical Communications</i> , 2020, 56, 8599-8602.	4.1	3
40	P53-MDM2 interaction monitoring and inhibitors potency evaluation based on CRISPR-Cas12a sensing platform. <i>Sensors and Actuators B: Chemical</i> , 2022, 361, 131710.	7.8	1