

# Yanyan Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,152  
citations

331259

21  
h-index

414034

32  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1584  
citing authors

#	ARTICLE	IF	CITATIONS
1	On chip manipulation of carbon dots via gigahertz acoustic streaming for enhanced bioimaging and biosensing. <i>Talanta</i> , 2022, 245, 123462.	2.9	2
2	Bidirectional Regulation of Cell Mechanical Motion via a Gold Nanorods-Acoustic Streaming System. <i>ACS Nano</i> , 2022, 16, 8427-8439.	7.3	9
3	Ultra-rapid modulation of neurite outgrowth in a gigahertz acoustic streaming system. <i>Lab on A Chip</i> , 2021, 21, 1948-1955.	3.1	11
4	Plasmon mediated spectrally selective and sensitivity-enhanced uncooled near-infrared detector. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 67-74.	5.0	7
5	An ultra-red fluorescent biosensor for highly sensitive and rapid detection of biliverdin. <i>Analytica Chimica Acta</i> , 2021, 1174, 338709.	2.6	3
6	Intracellular Delivery of Graphene Oxide Quantum Dots for Bio-Imaging and Ferric Ion Sensing Based on Bulk Acoustic Wave Resonator. , 2021, , .		0
7	Controllable Cell Deformation Using Acoustic Streaming for Membrane Permeability Modulation. <i>Advanced Science</i> , 2021, 8, 2002489.	5.6	37
8	Plasmonic nanoparticles based flexible micro stripe pattern for cellular behavior regulation and localized pH detection. , 2021, , .		0
9	Efficient biodegradation of highly crystallized polyethylene terephthalate through cell surface display of bacterial PETase. <i>Science of the Total Environment</i> , 2020, 709, 136138.	3.9	103
10	Dual Functions of Ghz Frequency Acoustic Resonator System for Biosamples Capture and Sensing. , 2020, 2020, 3994-3997.		0
11	A Rapid and Ultrasensitive Thrombin Biosensor Based on a Rationally Designed Trifunctional Protein. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000364.	3.9	9
12	Surface Engineering of Metal-Organic Framework Prepared on Film Bulk Acoustic Resonator for Vapor Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 10009-10017.	4.0	18
13	Soluble hydrophobin mutants produced in <i>Escherichia coli</i> can self-assemble at various interfaces. <i>Journal of Colloid and Interface Science</i> , 2020, 573, 384-395.	5.0	2
14	Programmable multi-DNA release from multilayered polyelectrolytes using gigahertz nano-electromechanical resonator. <i>Journal of Nanobiotechnology</i> , 2019, 17, 86.	4.2	6
15	Nanowires: Printed Highly Ordered Conductive Polymer Nanowires Doped with Biotinylated Interfaces, 2019, 6, 1970118.	1.9	3
16	Hydrophobin-functionalized film bulk acoustic wave resonators for sensitive and polarity-sensitive sensing of volatile organic compounds. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	4
17	Printed Highly Ordered Conductive Polymer Nanowires Doped with Biotinylated Polyelectrolytes for Biosensing Applications. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900671.	1.9	11
18	Hypersound-Enhanced Intracellular Delivery of Drug-Loaded Mesoporous Silica Nanoparticles in a Non-Endosomal Pathway. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 19734-19742.	4.0	17

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19	Optimization of the Electrodeposition of Gold Nanoparticles for the Application of Highly Sensitive, Label-Free Biosensor. <i>Biosensors</i> , 2019, 9, 50.	2.3	19
20	Regulating the differentiation of PC12 by acoustic fluid stimulation. , 2019, , .		1
21	High Sensitivity Near-infrared Sensors Based on Gold Nanorods Modified Aluminum Nitride Resonator. , 2019, , .		0
22	Hierarchical assembly of gold nanorod stripe patterns for sensing and cells alignment. <i>Nanotechnology</i> , 2019, 30, 175302.	1.3	6
23	Cellphone-Enabled Microwell-Based Microbead Aggregation Assay for Portable Biomarker Detection. <i>ACS Sensors</i> , 2018, 3, 432-440.	4.0	15
24	On-chip acoustic mixer integration of electro-microfluidics towards in-situ and efficient mixing in droplets. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 1.	1.0	26
25	Precisely Lateral Alignment of Gold Nanorods Array via Hydrophilic-Hydrophobic Pattern. , 2018, , .		0
26	A Universal Biomolecular Concentrator To Enhance Biomolecular Surface Binding Based on Acoustic NEMS Resonator. <i>ACS Central Science</i> , 2018, 4, 899-908.	5.3	15
27	Dual-functional protein for one-step production of a soluble and targeted fluorescent dye. <i>Theranostics</i> , 2018, 8, 3111-3125.	4.6	17
28	Comparative analysis of static and non-static assays for biochemical sensing using on-chip integrated field effect transistors and solidly mounted resonators. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 775-783.	4.0	16
29	Gold Nanorod Array Biochip for Label-Free, Multiplexed Biological Detection. <i>Methods in Molecular Biology</i> , 2017, 1571, 129-141.	0.4	3
30	One-step exfoliation and functionalization of graphene by hydrophobin for high performance water molecular sensing. <i>Carbon</i> , 2017, 116, 695-702.	5.4	20
31	Biofunctional polyelectrolytes assembling on biosensors “ A versatile surface coating method for protein detections. <i>Analytica Chimica Acta</i> , 2017, 964, 170-177.	2.6	36
32	Hypersonic Poration: A New Versatile Cell Poration Method to Enhance Cellular Uptake Using a Piezoelectric Nano“Electromechanical Device. <i>Small</i> , 2017, 13, 1602962.	5.2	53
33	On-chip integrated multiple microelectromechanical resonators to enable the local heating, mixing and viscosity sensing for chemical reactions in a droplet. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 280-287.	4.0	23
34	Smartphone-Enabled Colorimetric Trinitrotoluene Detection Using Amine-Trapped Polydimethylsiloxane Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 14445-14452.	4.0	28
35	Biofouling Removal and Protein Detection Using a Hypersonic Resonator. <i>ACS Sensors</i> , 2017, 2, 1175-1183.	4.0	40
36	Conducting polymer nanowires volatile organic compounds sensor array fabricated by soft lithography. , 2017, , .		0

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37	Comparison of four methods for the biofunctionalization of gold nanorods by the introduction of sulfhydryl groups to antibodies. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 372-380.	1.5	26
38	Acoustically Triggered Disassembly of Multilayered Polyelectrolyte Thin Films through Gigahertz Resonators for Controlled Drug Release Applications. <i>Micromachines</i> , 2016, 7, 194.	1.4	6
39	Self-assembled hydrophobin for producing water-soluble and membrane permeable fluorescent dye. <i>Scientific Reports</i> , 2016, 6, 23061.	1.6	14
40	Microchip based electrochemical-piezoelectric integrated multi-mode sensing system for continuous glucose monitoring. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 83-88.	4.0	44
41	Functionalized Polyelectrolytes Assembling on Nano-BioFETs for Biosensing Applications. <i>Advanced Functional Materials</i> , 2015, 25, 2279-2286.	7.8	46
42	Multiplexed gold nanorod array biochip for multi-sample analysis. <i>Biosensors and Bioelectronics</i> , 2015, 67, 18-24.	5.3	28
43	Tuning the Resonant Frequency of Resonators Using Molecular Surface Self-assembly Approach. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 950-958.	4.0	22
44	Gold nanorod biochip functionalization by antibody thiolation. <i>Talanta</i> , 2015, 136, 1-8.	2.9	30
45	Drying effects on the antioxidant properties of polysaccharides obtained from <i>Agaricus blazei</i> Murrill. <i>Carbohydrate Polymers</i> , 2014, 103, 414-417.	5.1	64
46	Molecular Calipers for Highly Precise and Accurate Measurements of Single-Protein Mechanics. <i>Langmuir</i> , 2014, 30, 2761-2767.	1.6	3
47	Response surface optimization of ultrasound-assisted enzymatic extraction polysaccharides from <i>Lycium barbarum</i> . <i>Carbohydrate Polymers</i> , 2014, 110, 278-284.	5.1	106
48	Response surface optimization of enzyme-assisted extraction polysaccharides from <i>Dictyophora indusiata</i> . <i>International Journal of Biological Macromolecules</i> , 2013, 61, 63-68.	3.6	41
49	Effects of extraction methods on the antioxidant activities of polysaccharides from <i>Agaricus blazei</i> Murrill. <i>International Journal of Biological Macromolecules</i> , 2013, 62, 66-69.	3.6	54
50	Chemisorption assembly of Au nanorods on mercaptosilanized glass substrate for label-free nanoplasmon biochip. <i>Analytica Chimica Acta</i> , 2013, 796, 122-129.	2.6	23
51	Characterization and application of hydrophobin-dispersed multi-walled carbon nanotubes. <i>Carbon</i> , 2010, 48, 2890-2898.	5.4	22
52	Dispersion of single-walled carbon nanotubes in poly(diallyldimethylammonium chloride) for preparation of a glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 2008, 130, 809-815.	4.0	59