

# Wenfu Zheng

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

3,352  
citations

136740

32  
h-index

149479

56  
g-index

76  
all docs

76  
docs citations

76  
times ranked

4738  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermo-triggered Release of CRISPR-Cas9 System by Lipid-Encapsulated Gold Nanoparticles for Tumor Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1491-1496.	7.2	306
2	Gold nanoclusters-assisted delivery of NGF siRNA for effective treatment of pancreatic cancer. <i>Nature Communications</i> , 2017, 8, 15130.	5.8	246
3	Genome Editing for Cancer Therapy: Delivery of Cas9 Protein/sgRNA Plasmid via a Gold Nanocluster/Lipid Core-Shell Nanocarrier. <i>Advanced Science</i> , 2017, 4, 1700175.	5.6	166
4	Rapid Fabrication of Self-Healing, Conductive, and Injectable Gel as Dressings for Healing Wounds in Stretchable Parts of the Body. <i>Advanced Functional Materials</i> , 2020, 30, 2002370.	7.8	146
5	A microfluidic flow-stretch chip for investigating blood vessel biomechanics. <i>Lab on A Chip</i> , 2012, 12, 3441.	3.1	134
6	Lipid nanoparticle-mediated efficient delivery of CRISPR/Cas9 for tumor therapy. <i>NPG Asia Materials</i> , 2017, 9, e441-e441.	3.8	132
7	Composites of Bacterial Cellulose and Small Molecule-Decorated Gold Nanoparticles for Treating Gram-Negative Bacteria-Infected Wounds. <i>Small</i> , 2017, 13, 1700130.	5.2	119
8	Evaluation of the Effect of the Structure of Bacterial Cellulose on Full Thickness Skin Wound Repair on a Microfluidic Chip. <i>Biomacromolecules</i> , 2015, 16, 780-789.	2.6	107
9	Triple-Targeting Delivery of CRISPR/Cas9 To Reduce the Risk of Cardiovascular Diseases. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12404-12408.	7.2	107
10	A Bifunctional Aggregation-Induced Emission Luminogen for Monitoring and Killing of Multidrug-Resistant Bacteria. <i>Advanced Functional Materials</i> , 2018, 28, 1804632.	7.8	105
11	Self-Adjusting, Polymeric Multilayered Roll that can Keep the Shapes of the Blood Vessel Scaffolds during Biodegradation. <i>Advanced Materials</i> , 2017, 29, 1700171.	11.1	104
12	Near-Infrared Light-Activated Phototherapy by Gold Nanoclusters for Dispersing Biofilms. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 9041-9049.	4.0	95
13	The Density of Surface Coating Can Contribute to Different Antibacterial Activities of Gold Nanoparticles. <i>Nano Letters</i> , 2020, 20, 5036-5042.	4.5	90
14	Targeted tumor delivery and controlled release of neuronal drugs with ferritin nanoparticles to regulate pancreatic cancer progression. <i>Journal of Controlled Release</i> , 2016, 232, 131-142.	4.8	83
15	Construction of Small-Diameter Vascular Graft by Shape-Memory and Self-Rolling Bacterial Cellulose Membrane. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601343.	3.9	79
16	Bright Aggregation-Induced Emission Nanoparticles for Two-Photon Imaging and Localized Compound Therapy of Cancers. <i>ACS Nano</i> , 2020, 14, 16840-16853.	7.3	72
17	A Strategy for the Construction of Controlled, Three-Dimensional, Multilayered, Tissue-Like Structures. <i>Advanced Functional Materials</i> , 2013, 23, 42-46.	7.8	71
18	An Early-Stage Atherosclerosis Research Model Based on Microfluidics. <i>Small</i> , 2016, 12, 2022-2034.	5.2	67

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19	Gene regulation with carbon-based siRNA conjugates for cancer therapy. <i>Biomaterials</i> , 2016, 104, 269-278.	5.7	66
20	Bacterial Cellulose as a Supersoft Neural Interfacing Substrate. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 33049-33059.	4.0	58
21	Small Molecular TGF- $\beta$ 1-Inhibitor-Loaded Electrospun Fibrous Scaffolds for Preventing Hypertrophic Scars. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 32545-32553.	4.0	53
22	Reverse Reconstruction and Bioprinting of Bacterial Cellulose-Based Functional Total Intervertebral Disc for Therapeutic Implantation. <i>Small</i> , 2018, 14, 1702582.	5.2	51
23	Delivery of CRISPR/Cas9 by Novel Strategies for Gene Therapy. <i>ChemBioChem</i> , 2019, 20, 634-643.	1.3	48
24	An on-chip model for investigating the interaction between neurons and cancer cells. <i>Integrative Biology (United Kingdom)</i> , 2016, 8, 359-367.	0.6	44
25	Cell-Based Assays on Microfluidics for Drug Screening. <i>ACS Sensors</i> , 2019, 4, 1465-1475.	4.0	44
26	Activating the Antibacterial Effect of 4,6-Diamino-2-pyrimidinethiol-Modified Gold Nanoparticles by Reducing their Sizes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23471-23475.	7.2	44
27	Gold Nanoclusters-Coated Orthodontic Devices Can Inhibit the Formation of <i>Streptococcus mutans</i> Biofilm. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1239-1246.	2.6	43
28	Fluorescent and Antibacterial Aminobenzeneboronic Acid (ABA)-Modified Gold Nanoclusters for Self-Monitoring Residual Dosage and Smart Wound Care. <i>ACS Nano</i> , 2021, 15, 17885-17894.	7.3	42
29	Mercaptophenylboronic Acid-Activated Gold Nanoparticles as Nanoantibiotics against Multidrug-Resistant Bacteria. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 51148-51159.	4.0	38
30	Organs on microfluidic chips: A mini review. <i>Science China Chemistry</i> , 2014, 57, 356-364.	4.2	33
31	Investigation of Tumor Cell Behaviors on a Vascular Microenvironment-Mimicking Microfluidic Chip. <i>Scientific Reports</i> , 2015, 5, 17768.	1.6	33
32	Tissue-specific mechanical and geometrical control of cell viability and actin cytoskeleton alignment. <i>Scientific Reports</i> , 2014, 4, 6160.	1.6	33
33	Small molecule-decorated gold nanoparticles for preparing antibiofilm fabrics. <i>Nanoscale Advances</i> , 2020, 2, 2293-2302.	2.2	28
34	Oral Administration of Starting Materials for <i>In Vivo</i> Synthesis of Antibacterial Gold Nanoparticles for Curing Remote Infections. <i>Nano Letters</i> , 2021, 21, 1124-1131.	4.5	27
35	Screening reactive oxygen species scavenging properties of platinum nanoparticles on a microfluidic chip. <i>Biofabrication</i> , 2014, 6, 045004.	3.7	26
36	Aminophenol-Decorated Gold Nanoparticles for Curing Bacterial Infections. <i>Nano Letters</i> , 2022, 22, 3576-3582.	4.5	26

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37	Synthesizing Living Tissues with Microfluidics. <i>Accounts of Chemical Research</i> , 2018, 51, 3166-3173.	7.6	25
38	Dual Gold Nanoparticle/Chemiluminescent Immunoassay for Sensitive Detection of Multiple Analytes. <i>Analytical Chemistry</i> , 2022, 94, 6628-6634.	3.2	25
39	A Soft, Conductive External Stent Inhibits Intimal Hyperplasia in Vein Grafts by Electroporation and Mechanical Restriction. <i>ACS Nano</i> , 2020, 14, 16770-16780.	7.3	22
40	Assembly of Functional Three-Dimensional Neuronal Networks on a Microchip. <i>Small</i> , 2014, 10, 2530-2536.	5.2	20
41	Point-of-Care Detection of $\beta$ -Lactamase in Milk with a Universal Fluorogenic Probe. <i>Analytical Chemistry</i> , 2016, 88, 5605-5609.	3.2	19
42	In Vitro Evaluation of Essential Mechanical Properties and Cell Behaviors of a Novel Poly(lactic-co-glycolic acid) (PLGA)-Based Tubular Scaffold for Small-Diameter Vascular Tissue Engineering. <i>Polymers</i> , 2017, 9, 318.	2.0	19
43	Integrating a Concentration Gradient Generator and a Single-Cell Trapper Array for High-Throughput Screening the Bioeffects of Nanomaterials. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12319-12322.	7.2	19
44	A strategy for rapid and facile fabrication of controlled, layered blood vessel-like structures. <i>RSC Advances</i> , 2016, 6, 55054-55063.	1.7	18
45	Thermo-triggered Release of CRISPR-Cas9 System by Lipid-Encapsulated Gold Nanoparticles for Tumor Therapy. <i>Angewandte Chemie</i> , 2018, 130, 1507-1512.	1.6	17
46	The construction of drug-resistant cancer cell lines by CRISPR/Cas9 system for drug screening. <i>Science Bulletin</i> , 2018, 63, 1411-1419.	4.3	16
47	Benzeneselenol-modified gold nanoclusters for cancer therapy. <i>Chemical Communications</i> , 2020, 56, 6664-6667.	2.2	16
48	Small Molecule-Capped Gold Nanoclusters for Curing Skin Infections. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 35306-35314.	4.0	16
49	Construction of Dopamine-Releasing Gold Surfaces Mimicking Presynaptic Membrane by On-Chip Electrochemistry. <i>Journal of the American Chemical Society</i> , 2019, 141, 8816-8824.	6.6	15
50	CB1-Antibody Modified Liposomes for Targeted Modulation of Epileptiform Activities Synchronously Detected by Microelectrode Arrays. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 41148-41156.	4.0	15
51	Precise manipulation of cell behaviors on surfaces for construction of tissue/organs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 124, 97-110.	2.5	14
52	Triple-Targeting Delivery of CRISPR/Cas9 To Reduce the Risk of Cardiovascular Diseases. <i>Angewandte Chemie</i> , 2019, 131, 12534-12538.	1.6	13
53	A micropatterned coculture system for axon guidance reveals that Slit promotes axon fasciculation and regulates the expression of L1CAM. <i>Integrative Biology (United Kingdom)</i> , 2013, 5, 617-623.	0.6	12
54	Nanoliposome-encapsulated caged-GABA for modulating neural electrophysiological activity with simultaneous detection by microelectrode arrays. <i>Nano Research</i> , 2020, 13, 1756-1763.	5.8	11

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55	A Strategy for Rapid Construction of Blood Vessel-Like Structures with Complex Cell Alignments. <i>Macromolecular Bioscience</i> , 2018, 18, e1700408.	2.1	10
56	Activating the Antibacterial Effect of 4,6-Diamino-2-pyrimidinethiol-Modified Gold Nanoparticles by Reducing their Sizes. <i>Angewandte Chemie</i> , 2020, 132, 23677-23681.	1.6	9
57	Screening on-chip fabricated nanoparticles for penetrating the blood-brain barrier. <i>Nanoscale</i> , 2022, 14, 3234-3241.	2.8	9
58	Breathable and Stretchable Dressings for Accelerating Healing of Infected Wounds. <i>Advanced Healthcare Materials</i> , 2022, 11, .	3.9	8
59	An on-chip study on the influence of geometrical confinement and chemical gradient on cell polarity. <i>Biomicrofluidics</i> , 2014, 8, 052010.	1.2	7
60	Evaluation of the <i>in vivo</i> behavior of antibacterial gold nanoparticles for potential biomedical applications. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3025-3031.	2.9	7
61	Micropatterned Coculture Platform for Screening Nerve-Related Anticancer Drugs. <i>ACS Nano</i> , 2021, 15, 637-649.	7.3	5
62	Modulating the antibacterial activity of gold nanoparticles by balancing their monodispersity and aggregation. <i>Chemical Communications</i> , 2022, 58, 7690-7693.	2.2	4
63	Nanocatalyst Complex Can Dephosphorylate Key Proteins in MAPK Pathway for Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800533.	3.9	3
64	Aminophenol-modified gold nanoparticles kill bacteria with minimal ototoxicity. <i>Chemical Communications</i> , 2022, , .	2.2	3
65	Simultaneous detection of CA15-3 and PGRMC1 on a microfluidic chip for early diagnosis of breast cancer. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2021, 44, 519-528.	0.5	2
66	Integrating a Concentration Gradient Generator and a Single-Cell Trapper Array for High-Throughput Screening the Bioeffects of Nanomaterials. <i>Angewandte Chemie</i> , 2021, 133, 12427-12430.	1.6	1
67	Neuronal Networks: Assembly of Functional Three-Dimensional Neuronal Networks on a Microchip (Small 13/2014). <i>Small</i> , 2014, 10, 2736-2736.	5.2	0
68	Biomaterials: Self-Adjusting, Polymeric Multilayered Roll that can Keep the Shapes of the Blood Vessel Scaffolds during Biodegradation (Adv. Mater. 28/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	0
69	Correction to: Gold Nanoclusters-Coated Orthodontic Devices Can Inhibit the Formation of <i>Streptococcus mutans</i> Biofilm. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1822-1822.	2.6	0
70	Editorial: Luminescent Nanomaterials in Translational Medicine. <i>Frontiers in Chemistry</i> , 2022, 10, 870300.	1.8	0