

# Yuanqing Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

2,039  
citations

279798

23  
h-index

243625

44  
g-index

52  
all docs

52  
docs citations

52  
times ranked

3576  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomaterials in Targeting Cancer Stem Cells for Cancer Therapy. <i>Frontiers in Pharmacology</i> , 2017, 8, 1.	3.5	429
2	Multiplexed volumetric bar-chart chip for point-of-care diagnostics. <i>Nature Communications</i> , 2012, 3, 1283.	12.8	192
3	Synthesis, Biodistribution, and Microsingle Photon Emission Computed Tomography (SPECT) Imaging Study of Technetium-99m Labeled PEGylated Dendrimer Poly(amidoamine) (PAMAM)-Folic Acid Conjugates. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 3262-3272.	6.4	119
4	Extracellular vesicles engineered with valency-controlled DNA nanostructures deliver CRISPR/Cas9 system for gene therapy. <i>Nucleic Acids Research</i> , 2020, 48, 8870-8882.	14.5	101
5	<i>Pseudomonas aeruginosa</i> Triggers Macrophage Autophagy To Escape Intracellular Killing by Activation of the NLRP3 Inflammasome. <i>Infection and Immunity</i> , 2016, 84, 56-66.	2.2	94
6	A DNA nanostructured aptasensor for the sensitive electrochemical detection of HepG2 cells based on multibranch hybridization chain reaction amplification strategy. <i>Biosensors and Bioelectronics</i> , 2018, 117, 416-421.	10.1	68
7	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
8	Radiosynthesis and micro-SPECT imaging of <sup>99m</sup> Tc-dendrimer poly(amido)-amine folic acid conjugate. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 927-931.	2.2	60
9	Mesenchymal Mode Migration Assay and Antimetastatic Drug Screening with High-Throughput Microfluidic Channel Networks. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2344-2348.	13.8	57
10	Encapsulation of curcumin within poly(amidoamine) dendrimers for delivery to cancer cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 2137-2144.	3.6	49
11	Bioinspired DNA Nanointerface with Anisotropic Aptamers for Accurate Capture of Circulating Tumor Cells. <i>Advanced Science</i> , 2020, 7, 2000647.	11.2	47
12	Radiosynthesis, biodistribution and micro-SPECT imaging study of dendrimer-avidin conjugate. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1643-1648.	3.0	41
13	PEGylated chitosan nanoparticles with embedded bismuth sulfide for dual-wavelength fluorescent imaging and photothermal therapy. <i>Carbohydrate Polymers</i> , 2018, 184, 445-452.	10.2	39
14	A Dynamic 3D Tumor Spheroid Chip Enables More Accurate Nanomedicine Uptake Evaluation. <i>Advanced Science</i> , 2019, 6, 1901462.	11.2	39
15	High-Throughput 3D Cell Invasion Chip Enables Accurate Cancer Metastatic Assays. <i>Journal of the American Chemical Society</i> , 2014, 136, 15257-15262.	13.7	37
16	High-Throughput, Label-Free Isolation of Cancer Stem Cells on the Basis of Cell Adhesion Capacity. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10838-10842.	13.8	33
17	NIR Light-Propelled Janus-Based Nanoplatfor for Cytosolic-Fueled microRNA Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 3713-3721.	8.0	33
18	Beta-Defensin 2 and 3 Promote Bacterial Clearance of <i>Pseudomonas aeruginosa</i> by Inhibiting Macrophage Autophagy through Downregulation of Early Growth Response Gene-1 and c-FOS. <i>Frontiers in Immunology</i> , 2018, 9, 211.	4.8	32

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19	Nanomaterial-based Microfluidic Chips for the Capture and Detection of Circulating Tumor Cells. <i>Nanotheranostics</i> , 2017, 1, 389-402.	5.2	29
20	A DNA nanostructured biosensor for electrochemical analysis of HER2 using bioconjugate of GNR@Pd SSâ€”Aptâ€”HRP. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126650.	7.8	29
21	Virus-Mimicking Cell Capture Using Heterovalency Magnetic DNA Nanoclaws. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 12244-12252.	8.0	26
22	One-pot synthesis of AIE based bismuth sulfide nanotheranostics for fluorescence imaging and photothermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 297-304.	5.0	25
23	Multifunctional MoS <sub>2</sub> nanosheets with Au NPs grown in situ for synergistic chemo-photothermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110551.	5.0	25
24	Dynamic Covalent Diblock Copolymers: Instructed Coupling, Micellation and Redox Responsiveness. <i>Macromolecules</i> , 2014, 47, 7431-7441.	4.8	23
25	Voltammetric aptamer based detection of HepG2 tumor cells by using an indium tin oxide electrode array and multifunctional nanoprobes. <i>Mikrochimica Acta</i> , 2017, 184, 3487-3496.	5.0	23
26	Synthesis and antimicrobial evaluation of bile acid tridentate conjugates. <i>Steroids</i> , 2009, 74, 701-706.	1.8	21
27	Self-assembled polymeric micelles based on THP and THF linkage for pH-responsive drug delivery. <i>Polymer</i> , 2014, 55, 2977-2985.	3.8	20
28	IFN- $\gamma$ differentially regulates subsets of Gr-1+CD11b+ myeloid cells in chronic inflammation. <i>Molecular Immunology</i> , 2015, 66, 451-462.	2.2	20
29	Utilizing a high-throughput microfluidic platform to study hypoxia-driven mesenchymal-mode cell migration. <i>Integrative Biology (United Kingdom)</i> , 2015, 7, 672-680.	1.3	20
30	Gold( $\kappa$ )-catalyzed azide-yne cyclization/Oâ€”H insertion cascade reaction for the expeditious construction of 3-alkoxy-4-quinolinone frameworks. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3888-3892.	2.8	19
31	Doxorubicin-Loaded UiO-66/Bi <sub>2</sub> S <sub>3</sub> Nanocomposite-Enhanced Synergistic Transarterial Chemoembolization and Photothermal Therapy against Hepatocellular Carcinoma. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 7579-7591.	8.0	18
32	<i>Pseudomonas aeruginosa</i> promotes autophagy to suppress macrophage-mediated bacterial eradication. <i>International Immunopharmacology</i> , 2016, 38, 214-222.	3.8	17
33	Singleâ€”Cell Mobility Analysis of Metastatic Breast Cancer Cells. <i>Advanced Science</i> , 2018, 5, 1801158.	11.2	17
34	Synthesis and binding affinities of Re(I) and <sup>99m</sup> Tc(I)-containing 16 $\beta$ -substituted estradiol complexes: Models for potential breast cancer imaging agents. <i>Steroids</i> , 2010, 75, 905-911.	1.8	16
35	Destructing the Plasma Membrane with Activatable Vesicular DNA Nanopores. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 96-105.	8.0	16
36	Pharmaceutical applications of framework nucleic acids. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 76-91.	12.0	16

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37	Unbiased Enrichment of Circulating Tumor Cells Via DNAzyme-Catalyzed Proximal Protein Biotinylation. <i>Nano Letters</i> , 2022, 22, 1618-1625.	9.1	16
38	Synthesis and <sup>188</sup> Re Radiolabelling of Dendrimer Polyamide Amine (PAMAM) Folic Acid Conjugate. <i>Medicinal Chemistry</i> , 2012, 8, 727-731.	1.5	15
39	Accurate Isolation of Circulating Tumor Cells via a Heterovalent DNA Framework Recognition Element-Functionalized Microfluidic Chip. <i>ACS Sensors</i> , 2022, 7, 666-673.	7.8	15
40	Design, synthesis, and evaluation of cyclofenil derivatives for potential SPECT imaging agents. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 591-599.	2.6	11
41	Mobile DNA tetrahedron on ultra-low adsorption lipid membrane for directional control of cell sensing. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127570.	7.8	9
42	Dendrimer- <sup>64</sup> Cu- <sup>67</sup> Zn- <sup>64</sup> Cu conjugates as bioprobes for synchrotron X-ray fluorescence imaging. <i>Chemical Communications</i> , 2013, 49, 10388-10390.	4.1	8
43	Synthesis and characterization of well-defined lactic acid-PEG cooligomers and its tricarbonyl rhenium conjugates. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1745-1752.	2.3	7
44	Small fluorescent albumin nanoparticles for targeted photothermal therapy via albumin-Binding protein pathways. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 696-704.	5.0	7
45	Tetrahedral DNA Nanostructures Inhibit Ferroptosis and Apoptosis in Cisplatin-induced Renal Injury. <i>ACS Applied Bio Materials</i> , 2021, 4, 5026-5032.	4.6	7
46	Coating with flexible DNA network enhanced T-cell activation and tumor killing for adoptive cell therapy. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 1965-1977.	12.0	5
47	Radioactive synthesis and biodistribution study of <sup>99m</sup> Tc(CO) <sub>3</sub> conjugates. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 899-904.	2.6	4
48	Synthesis, Radiolabelling and <i>in vitro</i> Stability Study of <sup>99m</sup> Tc(CO) <sub>3</sub> Labeled Dendrimer PAMAM-Folic Acid Conjugate. <i>Chinese Journal of Chemistry</i> , 2010, 28, 2447-2450.	4.9	3
49	Utilizing a high-throughput microdevice to study breast tumor cells clustering and metastasis. <i>Analytica Chimica Acta</i> , 2021, 1151, 338222.	5.4	3
50	In situ signal amplification improves the capture efficiency of circulating tumor cells with low expression of EpCAM. <i>Analytica Chimica Acta</i> , 2022, 1221, 340133.	5.4	3