

Yongxiang Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

4,031
citations

159585

30
h-index

133252

59
g-index

96
all docs

96
docs citations

96
times ranked

5645
citing authors

#	ARTICLE	IF	CITATIONS
1	Therapeutic siRNA: state of the art. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 101.	17.1	674
2	Heritable gene targeting in the mouse and rat using a CRISPR-Cas system. <i>Nature Biotechnology</i> , 2013, 31, 681-683.	17.5	618
3	METTL3 and ALKBH5 oppositely regulate m ⁶ A modification of <i>TFEB</i> mRNA, which dictates the fate of hypoxia/reoxygenation-treated cardiomyocytes. <i>Autophagy</i> , 2019, 15, 1419-1437.	9.1	337
4	Biodegradable Charge-Transfer Complexes for Glutathione Depletion Induced Ferroptosis and NIR-Photoacoustic Imaging Guided Cancer Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8157-8163.	13.8	135
5	Autophagy Modulated by Inorganic Nanomaterials. <i>Theranostics</i> , 2020, 10, 3206-3222.	10.0	121
6	A simple fluorescence aptasensor for gastric cancer exosome detection based on branched rolling circle amplification. <i>Nanoscale</i> , 2020, 12, 2445-2451.	5.6	117
7	Graphene and Au NPs co-mediated enzymatic silver deposition for the ultrasensitive electrochemical detection of cholesterol. <i>Biosensors and Bioelectronics</i> , 2018, 102, 560-567.	10.1	97
8	T cells provide the early source of IFN- γ to aggravate lesions in spinal cord injury. <i>Journal of Experimental Medicine</i> , 2018, 215, 521-535.	8.5	91
9	Injectable hydrogel for postoperative synergistic photothermal-chemodynamic tumor and anti-infection therapy. <i>Biomaterials</i> , 2022, 280, 121289.	11.4	68
10	Near-Infrared Light Irradiation Induced Mild Hyperthermia Enhances Glutathione Depletion and DNA Interstrand Cross-Link Formation for Efficient Chemotherapy. <i>ACS Nano</i> , 2020, 14, 14831-14845.	14.6	67
11	The Impact of TRPV1 on Cancer Pathogenesis and Therapy: A Systematic Review. <i>International Journal of Biological Sciences</i> , 2021, 17, 2034-2049.	6.4	60
12	POD Nanozyme optimized by charge separation engineering for light/pH activated bacteria catalytic/photodynamic therapy. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 86.	17.1	59
13	Identification of SARS-CoV-2-against aptamer with high neutralization activity by blocking the RBD domain of spike protein 1. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 227.	17.1	56
14	A Fe ₃ O ₄ @Au-based pseudo-homogeneous electrochemical immunosensor for AFP measurement using AFP antibody-GNPs-HRP as detection probe. <i>Analytical Biochemistry</i> , 2017, 534, 56-63.	2.4	54
15	A general in-situ reduction method to prepare core-shell liquid-metal / metal nanoparticles for photothermally enhanced catalytic cancer therapy. <i>Biomaterials</i> , 2021, 277, 121125.	11.4	52
16	LRP5/6 directly bind to Frizzled and prevent Frizzled-regulated tumour metastasis. <i>Nature Communications</i> , 2015, 6, 6906.	12.8	51
17	Mouse IP-10 Gene Delivered by Folate-modified Chitosan Nanoparticles and Dendritic/tumor Cells Fusion Vaccine Effectively Inhibit the Growth of Hepatocellular Carcinoma in Mice. <i>Theranostics</i> , 2017, 7, 1942-1952.	10.0	51
18	Tripartite motif containing 28 (TRIM28) promotes breast cancer metastasis by stabilizing TWIST1 protein. <i>Scientific Reports</i> , 2016, 6, 29822.	3.3	50

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19	Exploiting the acquired vulnerability of cisplatin-resistant tumors with a hypoxia-amplifying DNA repairâ€inhibiting (HYDRI) nanomedicine. <i>Science Advances</i> , 2021, 7, .	10.3	50
20	Oridonin Inhibits Tumor Growth and Metastasis through Anti-Angiogenesis by Blocking the Notch Signaling. <i>PLoS ONE</i> , 2014, 9, e113830.	2.5	49
21	Aptamer-Functionalized Fluorescent Silica Nanoparticles for Highly Sensitive Detection of Leukemia Cells. <i>Nanoscale Research Letters</i> , 2016, 11, 298.	5.7	46
22	Thermostable ionizable lipid-like nanoparticle (iLAND) for RNAi treatment of hyperlipidemia. <i>Science Advances</i> , 2022, 8, eabm1418.	10.3	46
23	An amphiphilic dendrimer as a light-activable immunological adjuvant for in situ cancer vaccination. <i>Nature Communications</i> , 2021, 12, 4964.	12.8	44
24	Targeting CLK3 inhibits the progression of cholangiocarcinoma by reprogramming nucleotide metabolism. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	42
25	Rapamycin loaded magnetic Fe ₃ O ₄ /carboxymethylchitosan nanoparticles as tumor-targeted drug delivery system: Synthesis and in vitro characterization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 379-388.	5.0	41
26	Folate-modified Chitosan Nanoparticles Containing the IP-10 Gene Enhance Melanoma-specific Cytotoxic CD8 ⁺ CD28 ⁺ T Lymphocyte Responses. <i>Theranostics</i> , 2016, 6, 752-761.	10.0	40
27	A novel gene delivery composite system based on biodegradable folate-poly (ester amine) polymer and thermosensitive hydrogel for sustained gene release. <i>Scientific Reports</i> , 2016, 6, 21402.	3.3	36
28	Antitumor Action of a Novel Histone Deacetylase Inhibitor, YF479, in Breast Cancer. <i>Neoplasia</i> , 2014, 16, 665-677.	5.3	35
29	Aptamer Combined with Fluorescent Silica Nanoparticles for Detection of Hepatoma Cells. <i>Nanoscale Research Letters</i> , 2017, 12, 96.	5.7	34
30	On-demand drug release nanoplatfrom based on fluorinated aza-BODIPY for imaging-guided chemo-phototherapy. <i>Biomaterials</i> , 2020, 256, 120211.	11.4	33
31	Protonâ€Driven Transformable O ₂ -Nanotrap for Dark and Hypoxia Tolerant Photodynamic Therapy. <i>Advanced Science</i> , 2022, 9, e2200128.	11.2	33
32	UHMW-1 promotes gastric cancer progression through reprogramming nucleotide metabolism. <i>EMBO Journal</i> , 2020, 39, e102541.	7.8	32
33	Multishell Nanoparticles with â€Linkage Mechanismâ€for Thermal Responsive Photodynamic and Gas Synergistic Therapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002038.	7.6	31
34	A New Theranostic System Based on Endoglin Aptamer Conjugated Fluorescent Silica Nanoparticles. <i>Theranostics</i> , 2017, 7, 4862-4876.	10.0	30
35	Fe ₂ O ₃ Loading Mitoxantrone and Glucose Oxidase for pHâ€Responsive Chemo/Chemodynamic/Photothermal Synergistic Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102632.	7.6	27
36	Photothermal Responsive Microspheresâ€Triggered Separable Microneedles for Versatile Drug Delivery. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	27

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37	SARS-CoV-2 pseudovirus enters the host cells through spike protein-CD147 in an Arf6-dependent manner. <i>Emerging Microbes and Infections</i> , 2022, 11, 1135-1144.	6.5	26
38	An α -activatable TM aptamer-based fluorescence probe for the detection of HepG2 cells. <i>Oncology Reports</i> , 2017, 37, 2688-2694.	2.6	25
39	Current Strategies for Tumor Photodynamic Therapy Combined With Immunotherapy. <i>Frontiers in Oncology</i> , 2021, 11, 738323.	2.8	24
40	The anaphase promoting complex impacts repair choice by protecting ubiquitin signalling at DNA damage sites. <i>Nature Communications</i> , 2017, 8, 15751.	12.8	22
41	Efficient targeted tumor imaging and secreted endostatin gene delivery by anti-CD105 immunoliposomes. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 42.	8.6	22
42	Screening and antitumor effect of an anti-CTLA ⁴ nanobody. <i>Oncology Reports</i> , 2017, 39, 511-518.	2.6	19
43	PEGylated immunoliposome-loaded endoglin single-chain antibody enhances anti-tumor capacity of porcine β -1,3GT gene. <i>Biomaterials</i> , 2019, 217, 119231.	11.4	19
44	A comprehensive rat transcriptome built from large scale RNA-seq-based annotation. <i>Nucleic Acids Research</i> , 2020, 48, 8320-8331.	14.5	19
45	Biodegradable Charge-Transfer Complexes for Glutathione Depletion Induced Ferroptosis and NIR-II Photoacoustic Imaging Guided Cancer Photothermal Therapy. <i>Angewandte Chemie</i> , 2021, 133, 8238-8244.	2.0	18
46	Progress on the roles of MEF2C in neuropsychiatric diseases. <i>Molecular Brain</i> , 2022, 15, 8.	2.6	18
47	Highly sensitive detection of leukemia cells based on aptamer and quantum dots. <i>Oncology Reports</i> , 2016, 36, 886-892.	2.6	17
48	Recent Progress of Wnt Pathway Inhibitor Dickkopf-1 in Liver Cancer. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 5192-5206.	0.9	17
49	A Graphene Oxide-Based Fluorescent Aptasensor for the Turn-on Detection of CCRF-CEM. <i>Nanoscale Research Letters</i> , 2018, 13, 66.	5.7	17
50	A Dual Targeting Magnetic Nanoparticle for Human Cancer Detection. <i>Nanoscale Research Letters</i> , 2019, 14, 228.	5.7	16
51	Eight biomarkers on a novel strip for early diagnosis of acute myocardial infarction. <i>Nanoscale Advances</i> , 2020, 2, 1138-1143.	4.6	16
52	Advances in the Study of Antitumour Immunotherapy for Newcastle Disease Virus. <i>International Journal of Medical Sciences</i> , 2021, 18, 2294-2302.	2.5	16
53	Senescence marker protein 30 (SMP30) serves as a potential prognostic indicator in hepatocellular carcinoma. <i>Scientific Reports</i> , 2016, 6, 39376.	3.3	15
54	CD8 + effector memory T cells induce acute rejection of allogeneic heart retransplants in mice possibly through activating expression of inflammatory cytokines. <i>Experimental Cell Research</i> , 2017, 355, 1-8.	2.6	14

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55	A novel label-free terbium(III)-aptamer based aptasensor for ultrasensitive and highly specific detection of acute lymphoma leukemia cells. <i>Analyst</i> , 2019, 144, 3843-3852.	3.5	14
56	Generation of in situ CRISPR-mediated primary and metastatic cancer from monkey liver. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 411.	17.1	14
57	Tumor-Targeting Anti-MicroRNA-155 Delivery Based on Biodegradable Poly(ester amine) and Hyaluronic Acid Shielding for Lung Cancer Therapy. <i>ChemPhysChem</i> , 2018, 19, 2058-2069.	2.1	13
58	Dual roles of granzyme B. <i>Scandinavian Journal of Immunology</i> , 2021, 94, e13086.	2.7	13
59	Isolation of Fibroblast-Activation Protein-Specific Cancer-Associated Fibroblasts. <i>BioMed Research International</i> , 2017, 2017, 1-8.	1.9	12
60	Lentivirus-mediated shRNA Targeting CNN2 Inhibits Hepatocarcinoma <i>in Vitro</i> and <i>in Vivo</i> . <i>International Journal of Medical Sciences</i> , 2018, 15, 69-76.	2.5	12
61	Significant variations in alternative splicing patterns and expression profiles between human-mouse orthologs in early embryos. <i>Science China Life Sciences</i> , 2017, 60, 178-188.	4.9	11
62	Graphene-Based Multifunctional Nanomaterials in Cancer Detection and Therapeutics. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 5155-5170.	0.9	11
63	Radiation Changes the Metabolic Profiling of Melanoma Cell Line B16. <i>PLoS ONE</i> , 2016, 11, e0162917.	2.5	10
64	MyD88 in Macrophages Enhances Liver Fibrosis by Activation of NLRP3 Inflammasome in HSCs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12413.	4.1	10
65	PAK3 promotes the metastasis of hepatocellular carcinoma by regulating EMT process. <i>Journal of Cancer</i> , 2022, 13, 153-161.	2.5	10
66	Collagen I enhances the efficiency and anti-tumor activity of dendritic-tumor fusion cells. <i>Oncolimmunology</i> , 2017, 6, e1361094.	4.6	9
67	Antigen-Presenting Hybrid Colloidal Crystal Clusters for Promoting T cells Expansion. <i>Small</i> , 2021, 17, e2006955.	10.0	9
68	Oncolytic adenovirus: A tool for reversing the tumor microenvironment and promoting cancer treatment (Review). <i>Oncology Reports</i> , 2021, 45, .	2.6	9
69	Platelets for cancer treatment and drug delivery. <i>Clinical and Translational Oncology</i> , 2022, 24, 1231-1237.	2.4	9
70	A novel method for endothelial cell isolation. <i>Oncology Reports</i> , 2016, 35, 1652-1656.	2.6	8
71	Development and application of reverse genetic technology for the influenza virus. <i>Virus Genes</i> , 2021, 57, 151-163.	1.6	8
72	Review: Development of SARS-CoV-2 immuno-enhanced COVID-19 vaccines with nano-platform. <i>Nano Research</i> , 2022, 15, 2196-2225.	10.4	8

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73	Enhanced anti-tumor immunity against breast cancer induced by whole tumor cell vaccines genetically modified expressing I \pm -Gal epitopes. <i>Oncology Reports</i> , 2016, 36, 2843-2851.	2.6	7
74	Fusions of Tumor-derived Endothelial Cells with Dendritic Cells Induces Antitumor Immunity. <i>Scientific Reports</i> , 2017, 7, 46544.	3.3	7
75	Annotating unknown species of urban microorganisms on a global scale unveils novel functional diversity and local environment association. <i>Environmental Research</i> , 2022, 207, 112183.	7.5	7
76	<i>In vitro</i> growth and activity of chondrocytes on three dimensional polycaprolactone/chitosan scaffolds. <i>Polymers for Advanced Technologies</i> , 2012, 23, 99-107.	3.2	6
77	Endobronchial ultrasound guided transbronchial needle aspiration combining with immunohistochemistry and genotype in lung cancer: A single-center, 55 cases retrospective study. <i>Annals of Medicine and Surgery</i> , 2017, 23, 1-7.	1.1	6
78	miRNA-34b is directly involved in the aging of macrophages. <i>Aging Clinical and Experimental Research</i> , 2017, 29, 599-607.	2.9	4
79	Current strategies of virotherapy in clinical trials for cancer treatment. <i>Journal of Medical Virology</i> , 2021, 93, 4668-4692.	5.0	4
80	Application of Molecular Nanoprobes in the Analysis of Differentially Expressed Genes and Prognostic Models of Primary Hepatocellular Carcinoma. <i>Journal of Biomedical Nanotechnology</i> , 2021, 17, 1020-1033.	1.1	4
81	The relationship between malignant and tumor-associated cells provides a new strategy for targeted diagnosis and therapy. <i>Oncolmmunology</i> , 2013, 2, e26295.	4.6	3
82	Tacrolimus and ascomycin inhibit melanoma cell growth, migration and invasion via targeting nuclear factor of activated T-cell 3. <i>Melanoma Research</i> , 2020, 30, 325-335.	1.2	3
83	Human endoglin-CD3 bispecific T cell engager antibody induces anti-tumor effect <i>in vivo</i> . <i>Theranostics</i> , 2021, 11, 6393-6406.	10.0	3
84	CRISPR/Cas9 Tumor Targeting Technology. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 12086-12098.	0.9	2
85	Cloud Computing-Assisted Dose Verification System and Method for Tumor Pain Treatment. <i>IEEE Access</i> , 2020, 8, 122529-122538.	4.2	2
86	Production of aptamers by cell-SELEX and their applications in cancer biomarker identification. <i>Discovery Medicine</i> , 2020, 29, 159-167.	0.5	2
87	Advances of aptamer-based clinical applications for the diagnosis and therapy of cancer. <i>Discovery Medicine</i> , 2020, 29, 169-180.	0.5	2
88	Progress in Application of Nanotechnology in Sorafenib. <i>Journal of Biomedical Nanotechnology</i> , 2021, 17, 529-557.	1.1	1
89	A direct immunohistochemistry (IHC) method improves the intraoperative diagnosis of breast papillary lesions including breast cancer. <i>Discovery Medicine</i> , 2019, 28, 87-93.	0.5	1
90	Modification of oncolytic adenovirus and its application in cancer therapy. <i>Discovery Medicine</i> , 2020, 30, 129-144.	0.5	1

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91	Predicting the prognosis of liver cancer patients based on cell differentiation trajectory and application of nanomaterials in treatment. <i>Minerva Surgery</i> , 2021, , .	0.6	1
92	Quantum dot/pMHC multimers vs. phycoerythrin/pMHC tetramers for identification of HLA-A*0201-restricted pHBV core antigen18â€“27-specific T cells. <i>Molecular Medicine Reports</i> , 2017, 16, 8605-8612.	2.4	0
93	Prospects of TIM-3 as a Promising Diagnostic and Prognostic Biomarker for Cancer Patients.. <i>Discovery Medicine</i> , 2021, 31, 15-20.	0.5	0
94	Nanoparticles Targeting the Tumor Microenvironment for Antitumor Therapy.. <i>Discovery Medicine</i> , 2021, 32, 93-107.	0.5	0