

Zhaogang Yang

List of Publications by Year in descending order

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87
papers

4,295
citations

94433

37
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118850

62
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88
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88
docs citations

88
times ranked

5716
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-scale generation of functional mRNA-encapsulating exosomes via cellular nanoporation. <i>Nature Biomedical Engineering</i> , 2020, 4, 69-83.	22.5	415
2	Cell-Penetrating Peptides in Diagnosis and Treatment of Human Diseases: From Preclinical Research to Clinical Application. <i>Frontiers in Pharmacology</i> , 2020, 11, 697.	3.5	276
3	A Review on Electroporation-Based Intracellular Delivery. <i>Molecules</i> , 2018, 23, 3044.	3.8	170
4	Functional exosome-mimic for delivery of siRNA to cancer: in vitro and in vivo evaluation. <i>Journal of Controlled Release</i> , 2016, 243, 160-171.	9.9	152
5	Therapeutic modulation of phagocytosis in glioblastoma can activate both innate and adaptive antitumour immunity. <i>Nature Communications</i> , 2020, 11, 1508.	12.8	138
6	Nanofiller Reinforced Biodegradable PLA/PHA Composites: Current Status and Future Trends. <i>Polymers</i> , 2018, 10, 505.	4.5	134
7	Electrospun nanofibers for cancer diagnosis and therapy. <i>Biomaterials Science</i> , 2016, 4, 922-932.	5.4	130
8	Nanotechnology for the delivery of phytochemicals in cancer therapy. <i>Biotechnology Advances</i> , 2016, 34, 343-353.	11.7	124
9	Biomimetic Moth-eye Nanofabrication: Enhanced Antireflection with Superior Self-cleaning Characteristic. <i>Scientific Reports</i> , 2018, 8, 5438.	3.3	93
10	Dielectrophoresis-assisted 3D nanoelectroporation for non-viral cell transfection in adoptive immunotherapy. <i>Lab on A Chip</i> , 2015, 15, 3147-3153.	6.0	92
11	A microfluidic method to synthesize transferrin-lipid nanoparticles loaded with siRNA LOR-1284 for therapy of acute myeloid leukemia. <i>Nanoscale</i> , 2014, 6, 9742.	5.6	90
12	Polylactic Acid Based Nanocomposites: Promising Safe and Biodegradable Materials in Biomedical Field. <i>International Journal of Polymer Science</i> , 2016, 2016, 1-11.	2.7	90
13	3D nanochannel electroporation for high-throughput cell transfection with high uniformity and dosage control. <i>Nanoscale</i> , 2016, 8, 243-252.	5.6	88
14	Magnetic Tweezers-Based 3D Microchannel Electroporation for High-Throughput Gene Transfection in Living Cells. <i>Small</i> , 2015, 11, 1818-1828.	10.0	83
15	Therapeutic Remodeling of the Tumor Microenvironment Enhances Nanoparticle Delivery. <i>Advanced Science</i> , 2019, 6, 1802070.	11.2	82
16	Nanotechnology platforms for cancer immunotherapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020, 12, e1590.	6.1	82
17	Recent Progress in Metal-Based Nanoparticles Mediated Photodynamic Therapy. <i>Molecules</i> , 2018, 23, 1704.	3.8	81
18	Application of Biodegradable and Biocompatible Nanocomposites in Electronics: Current Status and Future Directions. <i>Nanomaterials</i> , 2019, 9, 950.	4.1	78

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19	The Advances of Carbon Nanotubes in Cancer Diagnostics and Therapeutics. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-13.	2.7	68
20	Delivery of Nanoparticles for Treatment of Brain Tumor. <i>Current Drug Metabolism</i> , 2016, 17, 745-754.	1.2	65
21	Targeted Delivery of Tumor Suppressor microRNA-1 by Transferrin- Conjugated Lipopolyplex Nanoparticles to Patient-Derived Glioblastoma Stem Cells. <i>Current Pharmaceutical Biotechnology</i> , 2014, 15, 839-846.	1.6	62
22	Boosted EfficientNet: Detection of Lymph Node Metastases in Breast Cancer Using Convolutional Neural Networks. <i>Cancers</i> , 2021, 13, 661.	3.7	60
23	Preparation and characterization of vacuum insulation panels with super-stratified glass fiber core material. <i>Energy</i> , 2015, 93, 945-954.	8.8	59
24	Attenuation of miR-17â492 Cluster in Bronchopulmonary Dysplasia. <i>Annals of the American Thoracic Society</i> , 2015, 12, 1506-1513.	3.2	57
25	Highly stretchable and ultrathin nanopaper composites for epidermal strain sensors. <i>Nanotechnology</i> , 2018, 29, 355304.	2.6	56
26	A Novel Isoquinoline Derivative Anticancer Agent and Its Targeted Delivery to Tumor Cells Using Transferrin-Conjugated Liposomes. <i>PLoS ONE</i> , 2015, 10, e0136649.	2.5	56
27	MOG1 Rescues Defective Trafficking of Na ^v 1.5 Mutations in Brugada Syndrome and Sick Sinus Syndrome. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 392-401.	4.8	52
28	Insight into Mechanisms of Cellular Uptake of Lipid Nanoparticles and Intracellular Release of Small RNAs. <i>Pharmaceutical Research</i> , 2014, 31, 2685-2695.	3.5	52
29	A Polyethylenimine-Linoleic Acid Conjugate for Antisense Oligonucleotide Delivery. <i>BioMed Research International</i> , 2013, 2013, 1-7.	1.9	48
30	miR-29b supplementation decreases expression of matrix proteins and improves alveolarization in mice exposed to maternal inflammation and neonatal hyperoxia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 313, L339-L349.	2.9	48
31	Polyethylenimine-based Formulations for Delivery of Oligonucleotides. <i>Current Medicinal Chemistry</i> , 2019, 26, 2264-2284.	2.4	47
32	Immunocyte Membrane-Coated Nanoparticles for Cancer Immunotherapy. <i>Cancers</i> , 2021, 13, 77.	3.7	46
33	Optimized Synthesis of Biodegradable Elastomer PEGylated Poly(glycerol sebacate) and Their Biomedical Application. <i>Polymers</i> , 2019, 11, 965.	4.5	43
34	Nanomedicine based on Nucleic Acids: Pharmacokinetic and Pharmacodynamic Perspectives. <i>Current Pharmaceutical Biotechnology</i> , 2014, 15, 829-838.	1.6	42
35	Extracellular mRNA Detected by Tethered Lipoplex Nanoparticle Biochip for Lung Adenocarcinoma Detection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 1431-1433.	5.6	41
36	Intelligent photothermal dendritic cells restart the cancer immunity cycle through enhanced immunogenic cell death. <i>Biomaterials</i> , 2021, 279, 121228.	11.4	41

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37	Nanoscale bio-platforms for living cell interrogation: current status and future perspectives. <i>Nanoscale</i> , 2016, 8, 3181-3206.	5.6	40
38	Micro-/nano-electroporation for active gene delivery. <i>Current Pharmaceutical Design</i> , 2015, 21, 6081-6088.	1.9	40
39	Circulating MIC-1/GDF15 is a complementary screening biomarker with CEA and correlates with liver metastasis and poor survival in colorectal cancer. <i>Oncotarget</i> , 2017, 8, 24892-24901.	1.8	39
40	Indole-3-carbinol inhibits tumorigenicity of hepatocellular carcinoma cells via suppression of microRNA-21 and upregulation of phosphatase and tensin homolog. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 244-253.	4.1	38
41	Adenosine A1 receptors selectively target protein kinase C isoforms to the caveolin-rich plasma membrane in cardiac myocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 1868-1875.	4.1	36
42	Extracellular mRNA detected by molecular beacons in tethered lipoplex nanoparticles for diagnosis of human hepatocellular carcinoma. <i>PLoS ONE</i> , 2018, 13, e0198552.	2.5	36
43	Extracellular Vesicles: An Emerging Nanoplatfrom for Cancer Therapy. <i>Frontiers in Oncology</i> , 2020, 10, 606906.	2.8	36
44	Highly elastic and ultrathin nanopaper-based nanocomposites with superior electric and thermal characteristics. <i>Journal of Materials Science</i> , 2019, 54, 8436-8449.	3.7	35
45	Molecular mechanism underlying adenosine receptor-mediated mitochondrial targeting of protein kinase C. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 950-958.	4.1	34
46	Folate Receptor-Targeted Albumin Nanoparticles Based on Microfluidic Technology to Deliver Cabazitaxel. <i>Cancers</i> , 2019, 11, 1571.	3.7	34
47	Near infrared spectroscopic (NIRS) analysis of drug-loading rate and particle size of risperidone microspheres by improved chemometric model. <i>International Journal of Pharmaceutics</i> , 2014, 472, 296-303.	5.2	33
48	Spatiotemporal Immunomodulation Using Biomimetic Scaffold Promotes Endochondral Ossification-Mediated Bone Healing. <i>Advanced Science</i> , 2021, 8, e2100143.	11.2	33
49	Recent Progress in Polymer-Based Building Materials. <i>International Journal of Polymer Science</i> , 2020, 2020, 1-15.	2.7	30
50	Core/Shell PEGS/HA Hybrid Nanoparticle Via Micelle-Coordinated Mineralization for Tumor-Specific Therapy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12109-12119.	8.0	29
51	Fabrication of Injectable, Porous Hyaluronic Acid Hydrogel Based on an In-Situ Bubble-Forming Hydrogel Entrapment Process. <i>Polymers</i> , 2020, 12, 1138.	4.5	28
52	Development of modified and multifunctional poly(glycerol sebacate) (PGS)-based biomaterials for biomedical applications. <i>European Polymer Journal</i> , 2021, 161, 110830.	5.4	27
53	Application of DODMA and Derivatives in Cationic Nanocarriers for Gene Delivery. <i>Current Organic Chemistry</i> , 2016, 20, 1813-1819.	1.6	25
54	Membrane TLR9 Positive Neutrophil Mediated MPLA Protects Against Fatal Bacterial Sepsis. <i>Theranostics</i> , 2019, 9, 6269-6283.	10.0	22

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55	Assessment of Trends in Second Primary Cancers in Patients With Metastatic Melanoma From 2005 to 2016. <i>JAMA Network Open</i> , 2020, 3, e2028627.	5.9	22
56	Dual-Loaded Liposomes Tagged with Hyaluronic Acid Have Synergistic Effects in Triple-Negative Breast Cancer. <i>Small</i> , 2022, 18, e2107690.	10.0	22
57	Preparation of Functionalized TiO ₂ Nanotube Arrays and Their Applications. <i>Science of Advanced Materials</i> , 2016, 8, 1231-1241.	0.7	20
58	Oral Administration of Polaprezinc Attenuates Fluorouracil-Induced Intestinal Mucositis in a Mouse Model. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017, 121, 480-486.	2.5	19
59	Microfluidic Electroporation Coupling Pulses of Nanoseconds and Milliseconds to Facilitate Rapid Uptake and Enhanced Expression of DNA in Cell Therapy. <i>Scientific Reports</i> , 2020, 10, 6061.	3.3	18
60	Overview of Injection Molding Technology for Processing Polymers and Their Composites. <i>ES Materials & Manufacturing</i> , 2020, , .	1.9	18
61	The Effect of Photothermal Therapy on Osteosarcoma With Polyacrylic Acid-Coated Gold Nanorods. <i>Dose-Response</i> , 2018, 16, 155932581878984.	1.6	17
62	Nanoscale Technologies in Highly Sensitive Diagnosis of Cardiovascular Diseases. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 531.	4.1	17
63	Recent Progress in Dendrimer-based Gene Delivery Systems. <i>Current Organic Chemistry</i> , 2016, 20, 1820-1826.	1.6	16
64	Hypoxic preconditioning promotes the translocation of protein kinase C β binding with caveolin-3 at cell membrane not mitochondrial in rat heart. <i>Cell Cycle</i> , 2015, 14, 3557-3565.	2.6	15
65	Delivery System of CpG Oligodeoxynucleotides through Eliciting an Effective T cell Immune Response against Melanoma in Mice. <i>Journal of Cancer</i> , 2016, 7, 241-250.	2.5	14
66	Self-Assembled pH-Sensitive Polymeric Nanoparticles for the Inflammation-Targeted Delivery of Cu/Zn-Superoxide Dismutase. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18152-18164.	8.0	14
67	Novel biomaterials and biotechnology for nanomedicine. <i>European Journal of BioMedical Research</i> , 2015, 1, 1.	0.2	12
68	Nanocrystals: The Preparation, Precise Control and Application Toward the Pharmaceuticals and Food Industry. <i>Current Pharmaceutical Design</i> , 2018, 24, 2425-2431.	1.9	12
69	In-silico ADME Studies for New Drug Discovery: From Chemical Compounds to Chinese Herbal Medicines. <i>Current Drug Metabolism</i> , 2017, 18, 535-539.	1.2	12
70	Combining in vitro and in silico Approaches to Find New Candidate Drugs Targeting the Pathological Proteins Related to the Alzheimer's Disease. <i>Current Neuropharmacology</i> , 2018, 16, 758-768.	2.9	12
71	Nanotechnology and Microtechnology in Drug Delivery Systems. <i>Dose-Response</i> , 2020, 18, 155932582090781.	1.6	11
72	The cytotoxicity of zinc oxide nanoparticles to 3D brain organoids results from excessive intracellular zinc ions and defective autophagy. <i>Cell Biology and Toxicology</i> , 2023, 39, 259-275.	5.3	11

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73	A novel release kinetics evaluation of Chinese compound medicine: Application of the xCELLigence RTCA system to determine the release characteristics of Sedum sarmentosum compound sustained-release pellets. Saudi Pharmaceutical Journal, 2018, 26, 445-451.	2.7	8
74	Application of BERT to Enable Gene Classification Based on Clinical Evidence. BioMed Research International, 2020, 2020, 1-13.	1.9	8
75	Advanced Immunotherapy Approaches for Glioblastoma. Advanced Therapeutics, 2021, 4, 2100046.	3.2	8
76	A novel serum based biomarker panel has complementary ability to preclude presence of early lung cancer for low dose CT (LDCT). Oncotarget, 2017, 8, 45345-45355.	1.8	8
77	Preparation and Antifouling Property of Polyurethane Film Modified by PHMG and HA Using Layer-by-Layer Assembly. Polymers, 2021, 13, 934.	4.5	7
78	Enhanced Photocatalysis of Yttrium-Doped TiO ₂ /D-PVA Composites: Degradation of Methyl Orange (MO) and PVC Film. Science of Advanced Materials, 2016, 8, 1286-1292.	0.7	6
79	Integration of Novel Materials and Advanced Genomic Technologies into New Vaccine Design. Current Topics in Medicinal Chemistry, 2017, 17, 2286-2301.	2.1	6
80	Extracellular Vesicles in the Treatment of Parkinson's Disease: A Review. Current Medicinal Chemistry, 2021, 28, 6375-6394.	2.4	5
81	Robust three-dimensional nanotube-in-micropillar array electrodes to facilitate size independent electroporation in blood cell therapy. Lab on A Chip, 2021, 21, 4196-4207.	6.0	4
82	Biomimetic Nanostructure Platform for Cancer Diagnosis Based on Tumor Biomarkers. Frontiers in Bioengineering and Biotechnology, 2021, 9, 687664.	4.1	4
83	Strategies of Perturbing Ion Homeostasis for Cancer Therapy. Advanced Therapeutics, 2022, 5, 2100189.	3.2	3
84	Nanotechnology in Gene Delivery: Pharmacokinetic and Pharmacodynamic Perspectives. , 2016, , 295-326.		2
85	Intelligent Photothermal Dendritic Cells Restart the Cancer Immunity Cycle. SSRN Electronic Journal, 0, , .	0.4	1
86	Editorial: From Chronic Inflammation to Cancer: How Far Can Immunotherapy Go?. Frontiers in Pharmacology, 2021, 12, 838917.	3.5	1
87	Effect of Nanoclay on Natural Fiber/Polymer Composites. Engineering Materials, 2016, , 175-207.	0.6	0