Jiang Pi

List of Publications by Year in descending order

66 papers	2,774 citations	201385 27 h-index	182168 51 g-index
67 all docs	67 docs citations	67 times ranked	4184 citing authors

#	Article	IF	Citations
1	The Advancing of Zinc Oxide Nanoparticles for Biomedical Applications. Bioinorganic Chemistry and Applications, 2018, 2018, 1-18.	1.8	731
2	Advances in Anti-Tumor Treatments Targeting the CD47/SIRPÎ± Axis. Frontiers in Immunology, 2020, 11, 18.	2.2	235
3	EGFR-targeting PLGA-PEG nanoparticles as a curcumin delivery system for breast cancer therapy. Nanoscale, 2017, 9, 16365-16374.	2.8	98
4	Folate-Chitosan Nanoparticles Loaded with Ursolic Acid Confer Anti-Breast Cancer Activities in vitro and in vivo. Scientific Reports, 2016, 6, 30782.	1.6	91
5	GE11 peptide conjugated selenium nanoparticles for EGFR targeted oridonin delivery to achieve enhanced anticancer efficacy by inhibiting EGFR-mediated PI3K/AKT and Ras/Raf/MEK/ERK pathways. Drug Delivery, 2017, 24, 1549-1564.	2.5	78
6	BMP2 promotes migration and invasion of breast cancer cells via cytoskeletal reorganization and adhesion decrease: an AFM investigation. Applied Microbiology and Biotechnology, 2012, 93, 1715-1723.	1.7	74
7	Pathway of cytotoxicity induced by folic acid modified selenium nanoparticles in MCF-7 cells. Applied Microbiology and Biotechnology, 2013, 97, 1051-1062.	1.7	74
8	Selenium nanoparticles induced membrane bio-mechanical property changes in MCF-7 cells by disturbing membrane molecules and F-actin. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6296-6303.	1.0	72
9	Detection of lipopolysaccharide induced inflammatory responses in RAW264.7 macrophages using atomic force microscope. Micron, 2014, 65, 1-9.	1.1	69
10	Synthesis, characterization and anticancer activity of kaempferol-zinc(II) complex. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 2730-2734.	1.0	63
11	Ursolic acid-loaded chitosan nanoparticles induce potent anti-angiogenesis in tumor. Applied Microbiology and Biotechnology, 2016, 100, 6643-6652.	1.7	63
12	Macrophageâ€Targeted Isoniazidâ€“Selenium Nanoparticles Promote Antimicrobial Immunity and Synergize Bactericidal Destruction of Tuberculosis Bacilli. Angewandte Chemie - International Edition, 2020, 59, 3226-3234.	7.2	57
13	Oridoninâ€induced mitochondriaâ€dependent apoptosis in esophageal cancer cells by inhibiting PI3K/AKT/mTOR and Ras/Raf pathways. Journal of Cellular Biochemistry, 2019, 120, 3736-3746.	1.2	56
14	Anti-tumor activity evaluation of novel chrysinâ€“organogermanium(IV) complex in MCF-7 cells. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 5544-5551.	1.0	55
15	Gold nanoprobes-based resonance Rayleigh scattering assay platform: Sensitive cytosensing of breast cancer cells and facile monitoring of folate receptor expression. Biosensors and Bioelectronics, 2015, 74, 165-169.	5.3	51
16	The Advancing of Selenium Nanoparticles Against Infectious Diseases. Frontiers in Pharmacology, 2021, 12, 682284.	1.6	49
17	Mannosylated graphene oxide as macrophage-targeted delivery system for enhanced intracellular M.tuberculosis killing efficiency. Materials Science and Engineering C, 2019, 103, 109777.	3.8	48
18	Efficient electrochemical detection of cancer cells on in situ surface-functionalized MoS₂nanosheets. Journal of Materials Chemistry B, 2017, 5, 5532-5538.	2.9	40

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19	Functional graphene oxide as cancer-targeted drug delivery system to selectively induce oesophageal cancer cell apoptosis. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 297-307.	1.9	39
20	Tumor targeting and penetrating biomimetic mesoporous polydopamine nanoparticles facilitate photothermal killing and autophagy blocking for synergistic tumor ablation. Acta Biomaterialia, 2021, 136, 456-472.	4.1	37
21	Nasal Delivery of Hesperidin/Chitosan Nanoparticles Suppresses Cytokine Storm Syndrome in a Mouse Model of Acute Lung Injury. Frontiers in Pharmacology, 2020, 11, 592238.	1.6	34
22	Cinobufacini induced MDA-MB-231 cell apoptosis-associated cell cycle arrest and cytoskeleton function. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 1459-1463.	1.0	33
23	Chinese herb medicine matrine induce apoptosis in human esophageal squamous cancer KYSE-150 cells through increasing reactive oxygen species and inhibiting mitochondrial function. Pathology Research and Practice, 2018, 214, 691-699.	1.0	33
24	Cobalt oxide nanoparticle-synergized protein degradation and phototherapy for enhanced anticancer therapeutics. Acta Biomaterialia, 2021, 121, 605-620.	4.1	33
25	Apigenin induced apoptosis in esophageal carcinoma cells by destruction membrane structures. Scanning, 2016, 38, 322-328.	0.7	32
26	Single molecule force spectroscopy for in-situ probing oridonin inhibited ROS-mediated EGF-EGFR interactions in living KYSE-150 cells. Pharmacological Research, 2017, 119, 479-489.	3.1	32
27	Synthesis and biological evaluation of Germanium(IV)â€“polyphenol complexes as potential anti-cancer agents. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 2902-2908.	1.0	28
28	Inhibition effects of gold nanoparticles on proliferation and migration in hepatic carcinoma-conditioned HUVECs. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 679-684.	1.0	28
29	Label-Free Quartz Crystal Microbalance with Dissipation Monitoring of Resveratrol Effect on Mechanical Changes and Folate Receptor Expression Levels of Living MCF-7 Cells: A Model for Screening of Drugs. Analytical Chemistry, 2015, 87, 4797-4805.	3.2	28
30	Investigation of quercetinâ€induced HepG2 cell apoptosisâ€associated cellular biophysical alterations by atomic force microscopy. Scanning, 2016, 38, 100-112.	0.7	28
31	A rapid and sensitive assay based on particle analysis for cell degranulation detection in basophils and mast cells. Pharmacological Research, 2016, 111, 374-383.	3.1	26
32	Qualitative and Quantitative Analysis of ROS-Mediated Oridonin-Induced Oesophageal Cancer KYSE-150 Cell Apoptosis by Atomic Force Microscopy. PLoS ONE, 2015, 10, e0140935.	1.1	26
33	Dihydromyricetin suppresses inflammatory responses in vitro and in vivo through inhibition of IKKÎ² activity in macrophages. Scanning, 2016, 38, 901-912.	0.7	23
34	GE11 Peptide Conjugated Liposomes for EGFR-Targeted and Chemophotothermal Combined Anticancer Therapy. Bioinorganic Chemistry and Applications, 2021, 2021, 1-15.	1.8	23
35	Inspirations of Cobalt Oxide Nanoparticle Based Anticancer Therapeutics. Pharmaceutics, 2021, 13, 1599.	2.0	23
36	Circular RNA TRAPPC6B inhibits intracellular Mycobacterium tuberculosis growth while inducing autophagy in macrophages by targeting microRNAâ€874â€3p. Clinical and Translational Immunology, 2021, 10, e1254.	1.7	21

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37	In situ single molecule imaging of cell membranes: linking basic nanotechniques to cell biology, immunology and medicine. Nanoscale, 2014, 6, 12229-12249.	2.8	19
38	Emerging Role of Exosomes in Tuberculosis: From Immunity Regulations to Vaccine and Immunotherapy. Frontiers in Immunology, 2021, 12, 628973.	2.2	17
39	Facile Synthesis of Multifunctional Germanium Nanoparticles as a Carrier of Quercetin to Achieve Enhanced Biological Activity. Chemistry - an Asian Journal, 2014, 9, 2272-2280.	1.7	16
40	Atomic force microscopy based investigations of anti-inflammatory effects in lipopolysaccharide-stimulated macrophages. Analytical and Bioanalytical Chemistry, 2016, 408, 165-176.	1.9	16
41	Rapid identification of the resistance of urinary tract pathogenic bacteria using deep learningâ€“based spectroscopic analysis. Analytical and Bioanalytical Chemistry, 2021, 413, 7401-7410.	1.9	15
42	Berberine-Loaded Biomimetic Nanoparticles Attenuate Inflammation of Experimental Allergic Asthma via Enhancing IL-12 Expression. Frontiers in Pharmacology, 2021, 12, 724525.	1.6	14
43	Chrysinâ€“organogermanium (IV) complex induced Colo205 cell apoptosisâ€associated mitochondrial function and antiâ€angiogenesis. Scanning, 2015, 37, 246-257.	0.7	13
44	Cell Topography and Its Quantitative Imaging by AFM. Methods in Molecular Biology, 2019, 1886, 99-113.	0.4	13
45	Advances and Potentials of Polydopamine Nanosystem in Photothermal-Based Antibacterial Infection Therapies. Frontiers in Pharmacology, 2022, 13, 829712.	1.6	12
46	An Overview of Zinc Oxide Nanoparticles Produced by Plant Extracts for Anti-tuberculosis Treatments. Current Medicinal Chemistry, 2022, 29, 86-98.	1.2	11
47	Ifnar gene variants influence gut microbial production of palmitoleic acid and host immune responses to tuberculosis. Nature Metabolism, 2022, 4, 359-373.	5.1	11
48	Atomic force microscopy technique used for assessment of the anti-arthritic effect of licochalcone A via suppressing NF-Î°B activation. Biomedicine and Pharmacotherapy, 2018, 103, 1592-1601.	2.5	10
49	Anti-tuberculosis (TB) chemotherapy dynamically rescues Th1 and CD8+ T effector levels in Han Chinese pulmonary TB patients. Microbes and Infection, 2020, 22, 119-126.	1.0	10
50	Oridonin exhibits anti-angiogenic activity in human umbilical vein endothelial cells by inhibiting VEGF-induced VEGFR-2 signaling pathway. Pathology Research and Practice, 2020, 216, 153031.	1.0	10
51	Liposome impaired the adhesion and spreading of HEK293 cells: an AFM study. Scanning, 2011, 33, 413-418.	0.7	8
52	Immunomodulatory effects of polysaccharide compounds in macrophages revealed by high resolution AFM. Scanning, 2016, 38, 792-801.	0.7	8
53	A CD4+CD161+ T-Cell Subset Present in Unexposed Humans, Not Tb Patients, Are Fast Acting Cells That Inhibit the Growth of Intracellular Mycobacteria Involving CD161 Pathway, Perforin, and IFN-Î³/Autophagy. Frontiers in Immunology, 2021, 12, 599641.	2.2	8
54	Nanocages engineered from Bacillus Calmette-Guerin facilitate protective VÎ³2VÎ´2 T cell immunity against Mycobacterium tuberculosis infection. Journal of Nanobiotechnology, 2022, 20, 36.	4.2	7

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55	Atomic force microscopy study of ionomycinâ€induced degranulation in RBLâ€2H3 cells. Scanning, 2016, 38, 525-534.	0.7	6
56	Graphitic Carbon Nitride Quantum Dots in Dual-Mode Fluorescence Switching Platforms for Trace Analysis of Ag(I) and <scp>I</scp>-Cysteine. ACS Applied Nano Materials, 2022, 5, 4230-4240.	2.4	6
57	Macrophageâ€Targeted Isoniazidâ€“Selenium Nanoparticles Promote Antimicrobial Immunity and Synergize Bactericidal Destruction of Tuberculosis Bacilli. Angewandte Chemie, 2020, 132, 3252-3260.	1.6	5
58	In situ single molecule detection of insulin receptors on erythrocytes from a type 1 diabetes ketoacidosis patient by atomic force microscopy. Analyst, The, 2015, 140, 7407-7416.	1.7	4
59	Cinobufacini-induced HeLa cell apoptosis enhanced by curcumin. Science Bulletin, 2013, 58, 2584-2593.	1.7	2
60	Atomic Force Microscopy-Based Nanoscopy of Chondrogenically Differentiating Human Adipose-Derived Stem Cells: Nanostructure and Integrin I²1 Expression. Nanoscale Research Letters, 2018, 13, 333.	3.1	1
61	Tumor-Targeting and Penetrating Biomimetic Mesoporous Polydopamine Nanoparticles Manipulate Photo-Thermal Killing and Autophagy Blocking for Synergized Tumor Ablation. SSRN Electronic Journal, 0, , .	0.4	1
62	In Situ Single Molecule Detection on Cell Membrane and Label Molecule Distributions Using AFM/NSOM. , 2018, , 41-54.		0
63	Anticancer Activity of Oridonin Against Esophageal Cancer Cells Enhanced by Special Electromagnetic Field Treated Water. , 2017, , .		0
64	Cobalt Oxide Nanoparticle-Synergized Strategy Manipulating Autophagy, Ubiquitin-Proteasome and Photothermal Therapy for Enhanced Anticancer Therapeutics. SSRN Electronic Journal, 0, , .	0.4	0
65	Circular RNA TRAPPC6B Inhibits Intracellular Mycobacterial Growth While Inducing Autophagy in Macrophages by Targeting microRNA-874-3p. SSRN Electronic Journal, 0, , .	0.4	0
66	Editorial: Functional Nanomaterials in Inflammatory Diseases: From Prevention to Diagnosis and Therapy. Frontiers in Pharmacology, 2021, 12, 802633.	1.6	0