

Wen-Yi Gu

List of Publications by Year in descending order

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93
papers

4,283
citations

117625

34
h-index

118850

62
g-index

94
all docs

94
docs citations

94
times ranked

7161
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyaluronic acid modified mesoporous silica nanoparticles for targeted drug delivery to CD44-overexpressing cancer cells. <i>Nanoscale</i> , 2013, 5, 178-183.	5.6	286
2	PD-L1 Distribution and Perspective for Cancer Immunotherapy—Blockade, Knockdown, or Inhibition. <i>Frontiers in Immunology</i> , 2019, 10, 2022.	4.8	270
3	Co-delivery of siRNAs and anti-cancer drugs using layered double hydroxide nanoparticles. <i>Biomaterials</i> , 2014, 35, 3331-3339.	11.4	263
4	Osteogenic differentiation of bone marrow MSCs by β -tricalcium phosphate stimulating macrophages via BMP2 signalling pathway. <i>Biomaterials</i> , 2014, 35, 1507-1518.	11.4	262
5	Poly-L-lysine Functionalized Large Pore Cubic Mesostructured Silica Nanoparticles as Biocompatible Carriers for Gene Delivery. <i>ACS Nano</i> , 2012, 6, 2104-2117.	14.6	247
6	Nanoparticles Mimicking Viral Surface Topography for Enhanced Cellular Delivery. <i>Advanced Materials</i> , 2013, 25, 6233-6237.	21.0	174
7	An influenza virus-inspired polymer system for the timed release of siRNA. <i>Nature Communications</i> , 2013, 4, 1902.	12.8	155
8	Nanotechnology in the targeted drug delivery for bone diseases and bone regeneration. <i>International Journal of Nanomedicine</i> , 2013, 8, 2305.	6.7	146
9	RNA Interference against Human Papillomavirus Oncogenes in Cervical Cancer Cells Results in Increased Sensitivity to Cisplatin. <i>Molecular Pharmacology</i> , 2005, 68, 1311-1319.	2.3	104
10	MicroRNA-182 plays an onco-miRNA role in cervical cancer. <i>Gynecologic Oncology</i> , 2013, 129, 199-208.	1.4	99
11	Drug resistance and cancer stem cells: the shared but distinct roles of hypoxia-inducible factors HIF1 α and HIF2 α . <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 153-161.	1.9	91
12	Increased PD-L1 expression in breast and colon cancer stem cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 602-604.	1.9	84
13	Polarized immune responses modulated by layered double hydroxides nanoparticle conjugated with CpG. <i>Biomaterials</i> , 2014, 35, 9508-9516.	11.4	79
14	Amine-functionalized SiO ₂ nanodot-coated layered double hydroxide nanocomposites for enhanced gene delivery. <i>Nano Research</i> , 2015, 8, 682-694.	10.4	79
15	PI3K/Akt/mTOR pathway dual inhibitor BEZ235 suppresses the stemness of colon cancer stem cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 1317-1326.	1.9	76
16	High-efficiency adsorption of tetracycline by cooperation of carbon and iron in a magnetic Fe/porous carbon hybrid with effective Fenton regeneration. <i>Applied Surface Science</i> , 2021, 538, 147813.	6.1	67
17	Efficient drug delivery using SiO ₂ -layered double hydroxide nanocomposites. <i>Journal of Colloid and Interface Science</i> , 2016, 470, 47-55.	9.4	66
18	Efficient and Durable Vaccine against Intimin β of Diarrheagenic <i>E. Coli</i> Induced by Clay Nanoparticles. <i>Small</i> , 2016, 12, 1627-1639.	10.0	57

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19	Synthesis of multi-functional large pore mesoporous silica nanoparticles as gene carriers. <i>Nanotechnology</i> , 2014, 25, 055701.	2.6	53
20	Silencing PD-1 and PD-L1 with nanoparticle-delivered small interfering RNA increases cytotoxicity of tumor-infiltrating lymphocytes. <i>Nanomedicine</i> , 2019, 14, 955-967.	3.3	53
21	Polymer Nanocarrier System for Endosome Escape and Timed Release of siRNA with Complete Gene Silencing and Cell Death in Cancer Cells. <i>Biomacromolecules</i> , 2013, 14, 3386-3389.	5.4	52
22	Mannose-conjugated layered double hydroxide nanocomposite for targeted siRNA delivery to enhance cancer therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2355-2364.	3.3	52
23	Nanotechnology in the management of cervical cancer. <i>Reviews in Medical Virology</i> , 2015, 25, 72-83.	8.3	48
24	Inactivation of miR-34a by aberrant CpG methylation in Kazakh patients with esophageal carcinoma. <i>Journal of Experimental and Clinical Cancer Research</i> , 2014, 33, 20.	8.6	45
25	Multiple polymorphisms within the PLCE1 are associated with esophageal cancer via promoting the gene expression in a Chinese Kazakh population. <i>Gene</i> , 2013, 530, 315-322.	2.2	43
26	Systematic Identification, Characterization and Target Gene Analysis of microRNAs Involved in Osteoarthritis Subchondral Bone Pathogenesis. <i>Calcified Tissue International</i> , 2016, 99, 43-55.	3.1	43
27	High and long-term antibacterial activity against <i>Escherichia coli</i> via synergy between the antibiotic penicillin G and its carrier ZnAl layered double hydroxide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 174, 435-442.	5.0	40
28	Timed-Release Polymer Nanoparticles. <i>Biomacromolecules</i> , 2013, 14, 495-502.	5.4	39
29	Impact of extracellular matrix derived from osteoarthritis subchondral bone osteoblasts on osteocytes: role of integrin ²¹ and focal adhesion kinase signaling cues. <i>Arthritis Research and Therapy</i> , 2013, 15, R150.	3.5	39
30	Re-considering how particle size and other properties of antigen- <i>adjuvant</i> complexes impact on the immune responses. <i>Journal of Colloid and Interface Science</i> , 2013, 395, 1-10.	9.4	38
31	Prognostic value of the MicroRNA-29 family in multiple human cancers: A meta-analysis and systematic review. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 441-454.	1.9	37
32	Recent advances in the rational design of silica-based nanoparticles for gene therapy. <i>Therapeutic Delivery</i> , 2012, 3, 1217-1237.	2.2	36
33	Enrichment and Detection of Peptides from Biological Systems Using Designed Periodic Mesoporous Organosilica Microspheres. <i>Small</i> , 2012, 8, 231-236.	10.0	36
34	Insulin and epithelial growth factor (EGF) promote programmed death ligand 1(PD-L1) production and transport in colon cancer stem cells. <i>BMC Cancer</i> , 2019, 19, 153.	2.6	35
35	Mannose-Functionalized Biodegradable Nanoparticles Efficiently Deliver DNA Vaccine and Promote Anti-tumor Immunity. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14015-14027.	8.0	35
36	Devising new lipid-coated calcium phosphate/carbonate hybrid nanoparticles for controlled release in endosomes for efficient gene delivery. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7194-7203.	5.8	34

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37	Novel insights into mitochondrial gene rearrangement in thrips (Insecta: Thysanoptera) from the grass thrips, <i>Anaphothrips obscurus</i> . <i>Scientific Reports</i> , 2017, 7, 4284.	3.3	34
38	High adjuvant activity of layered double hydroxide nanoparticles and nanosheets in anti-tumour vaccine formulations. <i>Dalton Transactions</i> , 2018, 47, 2956-2964.	3.3	34
39	Overexpression of <i>PLCE1</i> in Kazakh esophageal squamous cell carcinoma: implications in cancer metastasis and aggressiveness. <i>Apmis</i> , 2013, 121, 908-918.	2.0	33
40	Prognostic and therapeutic TILs of cervical cancer—Current advances and future perspectives. <i>Molecular Therapy - Oncolytics</i> , 2021, 22, 410-430.	4.4	32
41	Enhancing PD-1 Gene Silence in T Lymphocytes by Comparing the Delivery Performance of Two Inorganic Nanoparticle Platforms. <i>Nanomaterials</i> , 2019, 9, 159.	4.1	31
42	tRNASer(CGA) differentially regulates expression of wild-type and codon-modified papillomavirus L1 genes. <i>Nucleic Acids Research</i> , 2004, 32, 4448-4461.	14.5	30
43	Size-dependent gene delivery of amine-modified silica nanoparticles. <i>Nano Research</i> , 2016, 9, 291-305.	10.4	30
44	Both treated and untreated tumors are eliminated by short hairpin RNA-based induction of target-specific immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8314-8319.	7.1	29
45	Prediction of conserved microRNAs from skin and mucosal human papillomaviruses. <i>Archives of Virology</i> , 2011, 156, 1161-1171.	2.1	29
46	Synergistic inhibition of colon cancer cell growth with nanoemulsion-loaded paclitaxel and PI3K/mTOR dual inhibitor BEZ235 through apoptosis. <i>International Journal of Nanomedicine</i> , 2016, 11, 1947.	6.7	28
47	Effective inhibition of colon cancer cell growth with MgAl-layered double hydroxide (LDH) loaded 5-FU and PI3K/mTOR dual inhibitor BEZ-235 through apoptotic pathways. <i>International Journal of Nanomedicine</i> , 2014, 9, 3403.	6.7	26
48	RNA interference for the treatment of cancer. <i>Drug News and Perspectives</i> , 2006, 19, 317.	1.5	26
49	The Pathways for Layered Double Hydroxide Nanoparticles to Enhance Antigen (Cross)-Presentation on Immune Cells as Adjuvants for Protein Vaccines. <i>Frontiers in Pharmacology</i> , 2018, 9, 1060.	3.5	24
50	Synergistic Inhibition of Drug-Resistant Colon Cancer Growth with PI3K/mTOR Dual Inhibitor BEZ235 and Nano-Emulsioned Paclitaxel via Reducing Multidrug Resistance and Promoting Apoptosis. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 2173-2186.	6.7	24
51	Pore size-optimized periodic mesoporous organosilicas for the enrichment of peptides and polymers. <i>RSC Advances</i> , 2013, 3, 14466.	3.6	23
52	Knocking down Insulin Receptor in Pancreatic Beta Cell lines with Lentiviral-Small Hairpin RNA Reduces Glucose-Stimulated Insulin Secretion via Decreasing the Gene Expression of Insulin, GLUT2 and Pdx1. <i>International Journal of Molecular Sciences</i> , 2018, 19, 985.	4.1	23
53	Cancer stemness contributes to cluster formation of colon cancer cells and high metastatic potentials. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020, 47, 838-847.	1.9	23
54	Enhanced Prevention of Breast Tumor Metastasis by Nanoparticle-Delivered Vitamin E in Combination with Interferon- γ . <i>Advanced Healthcare Materials</i> , 2020, 9, e1901706.	7.6	23

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55	Generalized substitution of isoencoding codons shortens the duration of papillomavirus L1 protein expression in transiently gene-transfected keratinocytes due to cell differentiation. <i>Nucleic Acids Research</i> , 2007, 35, 4820-4832.	14.5	21
56	Direct synthesis of layered double hydroxide nanosheets for efficient siRNA delivery. <i>RSC Advances</i> , 2016, 6, 95518-95526.	3.6	21
57	Gamma tocotrienol targets tyrosine phosphatase SHP2 in mammospheres resulting in cell death through RAS/ERK pathway. <i>BMC Cancer</i> , 2015, 15, 609.	2.6	19
58	Nanoformulations of albendazole as effective anticancer and antiparasite agents. <i>Nanomedicine</i> , 2017, 12, 2555-2574.	3.3	19
59	Calcium enhances mouse keratinocyte differentiation in vitro to differentially regulate expression of papillomavirus authentic and codon modified L1 genes. <i>Virology</i> , 2007, 365, 187-197.	2.4	18
60	Membrane-anchored Notch1 exhibits oncogenic property via activation of EGFR-PI3K-AKT pathway in oral squamous cell carcinoma. <i>Journal of Cellular Physiology</i> , 2018, 234, 5940-5952.	4.1	18
61	Optimization of Formulations Consisting of Layered Double Hydroxide Nanoparticles and Small Interfering RNA for Efficient Knockdown of the Target Gene. <i>ACS Omega</i> , 2018, 3, 4871-4877.	3.5	17
62	Undo the brake of tumour immune tolerance with antibodies, peptide mimetics and small molecule compounds targeting PD-1/PD-L1 checkpoint at different locations for acceleration of cytotoxic immunity to cancer cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2019, 46, 105-115.	1.9	16
63	Bisphosphonate Stabilized Calcium Phosphate Nanoparticles for Effective Delivery of Plasmid DNA to Macrophages. <i>ACS Applied Bio Materials</i> , 2020, 3, 986-996.	4.6	16
64	Mechanisms of cancer stem cell senescence: Current understanding and future perspectives. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2021, 48, 1185-1202.	1.9	16
65	siRNA and shRNA as Anticancer Agents in a Cervical Cancer Model. <i>Methods in Molecular Biology</i> , 2008, 442, 159-172.	0.9	16
66	Transforming growth factor- β 1 signaling promotes epithelial-mesenchymal transition-like phenomena, cell motility, and cell invasion in synovial sarcoma cells. <i>PLoS ONE</i> , 2017, 12, e0182680.	2.5	16
67	Expression of papillomavirus L1 proteins regulated by authentic gene codon usage is favoured in G2/M-like cells in differentiating keratinocytes. <i>Virology</i> , 2010, 399, 46-58.	2.4	15
68	Biodistribution of PNIPAM-Coated Nanostructures Synthesized by the TDMT Method. <i>Biomacromolecules</i> , 2019, 20, 625-634.	5.4	15
69	Enhanced combination cancer therapy using lipid-calcium carbonate/phosphate nanoparticles as a targeted delivery platform. <i>Nanomedicine</i> , 2019, 14, 77-92.	3.3	15
70	Short-term exposure to ZnO/MCB persistent free radical particles causes mouse lung lesions via inflammatory reactions and apoptosis pathways. <i>Environmental Pollution</i> , 2020, 261, 114039.	7.5	15
71	Therapeutic Delivery of Polymeric Tadpole Nanostructures with High Selectivity to Triple Negative Breast Cancer Cells. <i>Biomacromolecules</i> , 2020, 21, 4457-4468.	5.4	14
72	Combined Erlotinib and PF-03084014 treatment contributes to synthetic lethality in head and neck squamous cell carcinoma. <i>Cell Proliferation</i> , 2018, 51, e12424.	5.3	13

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73	ATP stabilised and sensitised calcium phosphate nanoparticles as effective adjuvants for a DNA vaccine against cancer. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7435-7446.	5.8	13
74	Water-Borne Nanocoating for Rapid Inactivation of SARS-CoV-2 and Other Viruses. <i>ACS Nano</i> , 2021, 15, 14915-14927.	14.6	13
75	Modifying layered double hydroxide nanoparticles for tumor imaging and therapy. <i>Clays and Clay Minerals</i> , 2019, 67, 72-80.	1.3	12
76	ATP-binding cassette transporter A1 (ABCA1) promotes arsenic tolerance in human cells by reducing cellular arsenic accumulation. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014, 41, 287-294.	1.9	10
77	A novel Notch1 missense mutation (C1133Y) in the Abruption domain exhibits enhanced proliferation and invasion in oral squamous cell carcinoma. <i>Cancer Cell International</i> , 2018, 18, 6.	4.1	9
78	TNF- α Promotes IFN- γ -Induced CD40 Expression and Antigen Process in Myb-Transformed Hematological Cells. <i>Scientific World Journal</i> , The, 2012, 2012, 1-11.	2.1	8
79	The role of PI3K/Akt pathway in β -glucan-induced dendritic cell maturation. <i>International Immunopharmacology</i> , 2011, 11, 529.	3.8	7
80	Prognostic role of upregulated P300 expression in human cancers: A clinical study of synovial sarcoma and a meta-analysis. <i>Experimental and Therapeutic Medicine</i> , 2019, 18, 3161-3171.	1.8	7
81	Calcium-bisphosphonate Nanoparticle Platform as a Prolonged Nanodrug and Bone-Targeted Delivery System for Bone Diseases and Cancers. <i>ACS Applied Bio Materials</i> , 2021, 4, 2490-2501.	4.6	7
82	One-Pot Synthesis of Raspberry-Like Mesoporous Silica Nanospheres. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 401-406.	0.9	5
83	Encapsulating Anti-Parasite Benzimidazole Drugs into Lipid-Coated Calcium Phosphate Nanoparticles to Efficiently Induce Skin Cancer Cell Apoptosis. <i>Frontiers in Nanotechnology</i> , 2021, 3, .	4.8	5
84	miR-34a-5p inhibits the malignant progression of KSHV-infected SH-SY5Y cells by targeting c-fos. <i>PeerJ</i> , 2022, 10, e13233.	2.0	5
85	Cervical cancer cell lines are sensitive to sub-erythematous UV exposure. <i>Gene</i> , 2019, 688, 44-53.	2.2	4
86	Nanostructuring a Widely Used Antihelminthic Drug into the Lipid-Coated Calcium Phosphate Matrix for Enhanced Skin Tumor Treatment. <i>ACS Applied Bio Materials</i> , 2020, 3, 4230-4238.	4.6	4
87	Future of RNAi-based therapies for human papillomavirus-associated cervical cancer. <i>Future Virology</i> , 2007, 2, 587-595.	1.8	2
88	Mesenchymal Stem Cells and Nano-structured Surfaces. <i>Methods in Molecular Biology</i> , 2013, 1058, 133-148.	0.9	2
89	Nanoparticles: Nanoparticles Mimicking Viral Surface Topography for Enhanced Cellular Delivery (<i>Adv. Mater.</i> 43/2013). <i>Advanced Materials</i> , 2013, 25, 6232-6232.	21.0	1
90	Silencing of E6/E7 Expression in Cervical Cancer Stem-Like Cells. <i>Methods in Molecular Biology</i> , 2015, 1249, 173-182.	0.9	1

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91	Laser capture microdissection for detecting the expression of epithelialâ€mesenchymal transitionâ€related genes in epithelial and spindle cells of paraffinâ€embedded formalinâ€fixed biphasic synovial sarcoma. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2018, 45, 675-682.	1.9	0
92	Overexpression of Polo-like kinase1 (PLK1) in chondrosarcoma and its implications for cancer progression. <i>International Journal of Clinical and Experimental Pathology</i> , 2018, 11, 1707-1711.	0.5	0
93	PD-L1-Targeted Co-Delivery of Two Chemotherapeutics for Efficient Suppression of Skin Cancer Growth. <i>Pharmaceutics</i> , 2022, 14, 1488.	4.5	0