

# Qiang Peng

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

4,099  
citations

101535

36  
h-index

118840

62  
g-index

68  
all docs

68  
docs citations

68  
times ranked

5276  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomaterials-based photothermal therapy and its potentials in antibacterial treatment. <i>Journal of Controlled Release</i> , 2020, 328, 251-262.	9.9	325
2	Preformed albumin corona, a protective coating for nanoparticles based drug delivery system. <i>Biomaterials</i> , 2013, 34, 8521-8530.	11.4	293
3	Exosomes: The next generation of endogenous nanomaterials for advanced drug delivery and therapy. <i>Acta Biomaterialia</i> , 2019, 86, 1-14.	8.3	275
4	Graphene-based nanomaterials and their potentials in advanced drug delivery and cancer therapy. <i>Journal of Controlled Release</i> , 2018, 286, 64-73.	9.9	199
5	Graphene-based nanomaterials: the promising active agents for antibiotics-independent antibacterial applications. <i>Journal of Controlled Release</i> , 2019, 307, 16-31.	9.9	167
6	Independent effect of polymeric nanoparticle zeta potential/surface charge, on their cytotoxicity and affinity to cells. <i>Cell Proliferation</i> , 2015, 48, 465-474.	5.3	161
7	Protein-gold nanoparticle interactions and their possible impact on biomedical applications. <i>Acta Biomaterialia</i> , 2017, 55, 13-27.	8.3	139
8	A rapid-acting, long-acting insulin formulation based on a phospholipid complex loaded PHBHHx nanoparticles. <i>Biomaterials</i> , 2012, 33, 1583-1588.	11.4	129
9	Injectable and biodegradable thermosensitive hydrogels loaded with PHBHHx nanoparticles for the sustained and controlled release of insulin. <i>Acta Biomaterialia</i> , 2013, 9, 5063-5069.	8.3	126
10	The potential of protein-nanomaterial interaction for advanced drug delivery. <i>Journal of Controlled Release</i> , 2016, 225, 121-132.	9.9	111
11	Insight into the Interaction of Graphene Oxide with Serum Proteins and the Impact of the Degree of Reduction and Concentration. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 13367-13374.	8.0	106
12	The protein corona and its effects on nanoparticle-based drug delivery systems. <i>Acta Biomaterialia</i> , 2021, 129, 57-72.	8.3	95
13	Peroxisome Proliferator-Activated Receptor- $\beta$ : Master Regulator of Adipogenesis and Obesity. <i>Current Stem Cell Research and Therapy</i> , 2016, 11, 282-289.	1.3	90
14	Polydopamine-based nanomaterials and their potentials in advanced drug delivery and therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 199, 111502.	5.0	86
15	Tetrahedral DNA Nanostructure: A Potential Promoter for Cartilage Tissue Regeneration via Regulating Chondrocyte Phenotype and Proliferation. <i>Small</i> , 2017, 13, 1602770.	10.0	83
16	Self-Assembled Tetrahedral DNA Nanostructures Promote Adipose-Derived Stem Cell Migration via lncRNA XLOC 010623 and RHOA/ROCK2 Signal Pathway. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 19353-19363.	8.0	80
17	Mechanisms of Phospholipid Complex Loaded Nanoparticles Enhancing the Oral Bioavailability. <i>Molecular Pharmaceutics</i> , 2010, 7, 565-575.	4.6	77
18	Preparation, characterization, and in vivo evaluation of a self-nanoemulsifying drug delivery system (SNEDDS) loaded with morin-phospholipid complex. <i>International Journal of Nanomedicine</i> , 2011, 6, 3405.	6.7	72

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19	Understanding the sheet size-antibacterial activity relationship of graphene oxide and the nano-bio interaction-based physical mechanisms. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 191, 111009.	5.0	67
20	Functionalized graphene oxide nanosheets with unique three-in-one properties for efficient and tunable antibacterial applications. <i>Nano Research</i> , 2021, 14, 185-190.	10.4	63
21	Potentials of nanotechnology in treatment of methicillin-resistant <i>Staphylococcus aureus</i> . <i>European Journal of Medicinal Chemistry</i> , 2021, 213, 113056.	5.5	60
22	Size-dependent photothermal antibacterial activity of Ti C T MXene nanosheets against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Colloid and Interface Science</i> , 2022, 617, 533-541.	9.4	58
23	Understanding the Biomedical Effects of the Self-Assembled Tetrahedral DNA Nanostructure on Living Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 12733-12739.	8.0	56
24	Enhanced biostability of nanoparticle-based drug delivery systems by albumin corona. <i>Nanomedicine</i> , 2015, 10, 205-214.	3.3	55
25	Effect of tetrahedral DNA nanostructures on osteogenic differentiation of mesenchymal stem cells via activation of the Wnt/ $\beta^2$ -catenin signaling pathway. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1809-1819.	3.3	55
26	Digestive Enzyme Corona Formed in the Gastrointestinal Tract and Its Impact on Epithelial Cell Uptake of Nanoparticles. <i>Biomacromolecules</i> , 2019, 20, 1789-1797.	5.4	55
27	The UV absorption of graphene oxide is size-dependent: possible calibration pitfalls. <i>Mikrochimica Acta</i> , 2019, 186, 207.	5.0	53
28	Electrospun Fibers for Dental and Craniofacial Applications. <i>Current Stem Cell Research and Therapy</i> , 2014, 9, 187-195.	1.3	50
29	Bacterial outer membrane vesicles as potential biological nanomaterials for antibacterial therapy. <i>Acta Biomaterialia</i> , 2022, 140, 102-115.	8.3	48
30	Effects of Micro-environmental pH of Liposome on Chemical Stability of Loaded Drug. <i>Nanoscale Research Letters</i> , 2017, 12, 504.	5.7	47
31	Drug-free and non-crosslinked chitosan scaffolds with efficient antibacterial activity against both Gram-negative and Gram-positive bacteria. <i>Carbohydrate Polymers</i> , 2020, 241, 116386.	10.2	47
32	Hepatitis B virus preS1-derived lipopeptide functionalized liposomes for targeting of hepatic cells. <i>Biomaterials</i> , 2014, 35, 6130-6141.	11.4	46
33	A high-efficiency, low-toxicity, phospholipids-based phase separation gel for long-term delivery of peptides. <i>Biomaterials</i> , 2015, 45, 1-9.	11.4	46
34	Concentration-dependent protein adsorption at the nano-bio interfaces of polymeric nanoparticles and serum proteins. <i>Nanomedicine</i> , 2017, 12, 2757-2769.	3.3	43
35	A novel submicron emulsion system loaded with vincristine&ndash;oleic acid ion-pair complex with improved anticancer effect: in vitro and in vivo studies. <i>International Journal of Nanomedicine</i> , 2013, 8, 1185.	6.7	41
36	Protein corona formed in the gastrointestinal tract and its impacts on oral delivery of nanoparticles. <i>Medicinal Research Reviews</i> , 2021, 41, 1835-1850.	10.5	40

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37	Antibiofilm effect of drug-free and cationic poly(D,L-lactide-co-glycolide) nanoparticles via nano-bacteria interactions. <i>Nanomedicine</i> , 2018, 13, 1093-1106.	3.3	36
38	Nanomaterials-based photosensitizers and delivery systems for photodynamic cancer therapy. , 2022, 135, 212725.		36
39	Poly(3-hydroxybutyrate-co-4-hydroxybutyrate) Based Electrospun 3D Scaffolds for Delivery of Autogenic Chondrocytes and Adipose-Derived Stem Cells: Evaluation of Cartilage Defects in Rabbit. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 105-116.	1.1	32
40	The effects of interleukin-1 <sup>β</sup> in modulating osteoclast-conditioned medium's influence on gelatinases in chondrocytes through mitogen-activated protein kinases. <i>International Journal of Oral Science</i> , 2015, 7, 220-231.	8.6	32
41	Nanocomplex Based on Biocompatible Phospholipids and Albumin for Long-Circulation Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 13730-13737.	8.0	31
42	Can nanoparticles and nano-protein interactions bring a bright future for insulin delivery?. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 651-667.	12.0	31
43	Enhanced oral bioavailability of salvianolic acid B by phospholipid complex loaded nanoparticles. <i>Die Pharmazie</i> , 2008, 63, 661-6.	0.5	29
44	The Role of miRNAs in the Differentiation of Adipose-Derived Stem Cells. <i>Current Stem Cell Research and Therapy</i> , 2014, 9, 268-279.	1.3	28
45	Oral Nano-Delivery Systems for Colon Targeting Therapy. <i>Pharmaceutical Nanotechnology</i> , 2017, 5, 83-94.	1.5	28
46	Ti3C2Tx MXene loaded with indocyanine green for synergistic photothermal and photodynamic therapy for drug-resistant bacterium. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 217, 112663.	5.0	25
47	Electrospun P34HB fibres: a scaffold for tissue engineering. <i>Cell Proliferation</i> , 2014, 47, 465-475.	5.3	20
48	The establishment of the hemangioma model in nude mouse. <i>Journal of Pediatric Surgery</i> , 2005, 40, 1167-1172.	1.6	19
49	Potentials of combining nanomaterials and stem cell therapy in myocardial repair. <i>Nanomedicine</i> , 2018, 13, 1623-1638.	3.3	18
50	Injectable and biodegradable phospholipid-based phase separation gel for sustained delivery of insulin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 176, 194-201.	5.0	18
51	Inhibition of methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) biofilm by cationic poly (D, L) Tj ETQq1 1 0.784314 rgBT /Overl	2.2	16
52	Sodium bicarbonate, an inorganic salt and a potential active agent for cancer therapy. <i>Chinese Chemical Letters</i> , 2021, 32, 3687-3695.	9.0	16
53	The Properties of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) and its Applications in Tissue Engineering. <i>Current Stem Cell Research and Therapy</i> , 2014, 9, 215-222.	1.3	16
54	Enhanced Antibacterial Activity of Indocyanine Green-Loaded Graphene Oxide via Synergistic Contact Killing, Photothermal and Photodynamic Therapy. <i>Journal of Biomedical Nanotechnology</i> , 2022, 18, 185-192.	1.1	16

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55	Functional Nanomaterials and Their Potential Applications in Antibacterial Therapy. <i>Pharmaceutical Nanotechnology</i> , 2019, 7, 129-146.	1.5	15
56	The Implantable and Biodegradable PHBHHx 3D Scaffolds Loaded with Protein-Phospholipid Complex for Sustained Delivery of Proteins. <i>Pharmaceutical Research</i> , 2013, 30, 1077-1085.	3.5	14
57	Sustained PDGF-BB release from PHBHHx loaded nanoparticles in 3D hydrogel/stem cell model. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 282-288.	4.0	13
58	Graphene Oxide Nanosheets with Efficient Antibacterial Activity Against Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA). <i>Journal of Biomedical Nanotechnology</i> , 2021, 17, 1627-1634.	1.1	12
59	Miscellaneous Animal Models Accelerate the Application of Mesenchymal Stem Cells for Cartilage Regeneration. <i>Current Stem Cell Research and Therapy</i> , 2014, 9, 223-233.	1.3	10
60	Bacteria and tumor: Understanding the roles of bacteria in tumor genesis and immunology. <i>Microbiological Research</i> , 2022, 261, 127082.	5.3	8
61	An experimental study on the therapy of infantile hemangioma with recombinant interferon $\hat{I}^3$ . <i>Journal of Pediatric Surgery</i> , 2011, 46, 496-501.	1.6	7
62	Potential Replication of Induced Pluripotent Stem Cells for Craniofacial Reconstruction. <i>Current Stem Cell Research and Therapy</i> , 2014, 9, 205-214.	1.3	7
63	Regulation of Extracellular Matrix Remodeling Proteins by Osteoblasts in Titanium Nanoparticle-Induced Aseptic Loosening Model. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 1826-1835.	1.1	6
64	Curcumin- and Cycloamine-Loaded Liposomes to Enhance Therapeutic Efficacy Against Hepatic Fibrosis. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 5667-5678.	4.3	4
65	Pharmacokinetics of CNT-based Drug Delivery Systems. <i>Current Drug Metabolism</i> , 2013, 14, 910-920.	1.2	3
66	DNA Nanostructures: Tetrahedral DNA Nanostructure: A Potential Promoter for Cartilage Tissue Regeneration via Regulating Chondrocyte Phenotype and Proliferation (Small 12/2017). <i>Small</i> , 2017, 13, .	10.0	2