

# Quanhong Liu

## List of Publications by Year in descending order

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60  
papers

2,263  
citations

172457

29  
h-index

233421

45  
g-index

69  
all docs

69  
docs citations

69  
times ranked

2852  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phototheranostics: Active Targeting of Orthotopic Glioma Using Biomimetic Proteolipid Nanoparticles. <i>ACS Nano</i> , 2019, 13, 386-398.	14.6	157
2	Focused ultrasound-augmented targeting delivery of nanosonosensitizers from homogenous exosomes for enhanced sonodynamic cancer therapy. <i>Theranostics</i> , 2019, 9, 5261-5281.	10.0	106
3	Manipulation of Mitophagy by "All-in-One" nanosensitizer augments sonodynamic glioma therapy. <i>Autophagy</i> , 2020, 16, 1413-1435.	9.1	99
4	Sinoporphyrin sodium triggered sono-photodynamic effects on breast cancer both in vitro and in vivo. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 437-448.	8.2	97
5	Analysis of the <i>In Vivo</i> and <i>In Vitro</i> Effects of Photodynamic Therapy on Breast Cancer by Using a Sensitizer, Sinoporphyrin Sodium. <i>Theranostics</i> , 2015, 5, 772-786.	10.0	93
6	Ultrasound-Responsive Polymeric Micelles for Sonoporation-Assisted Site-Specific Therapeutic Action. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 25706-25716.	8.0	90
7	Six Birds with One Stone: Versatile Nanoporphyrin for Single-Laser-Triggered Synergistic Phototheranostics and Robust Immune Activation. <i>Advanced Materials</i> , 2020, 32, e2004481.	21.0	89
8	Smart Hydrogel-Based DVDMS/bFGF Nanohybrids for Antibacterial Phototherapy with Multiple Damaging Sites and Accelerated Wound Healing. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 10156-10169.	8.0	84
9	Enhanced drug delivery using sonoactivatable liposomes with membrane-embedded porphyrins. <i>Journal of Controlled Release</i> , 2018, 286, 358-368.	9.9	71
10	Ultrasound Facilitates Naturally Equipped Exosomes Derived from Macrophages and Blood Serum for Orthotopic Glioma Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 14576-14587.	8.0	64
11	Photodynamic antimicrobial chemotherapy for <i>Staphylococcus aureus</i> and multidrug-resistant bacterial burn infection in vitro and in vivo. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 5915-5931.	6.7	61
12	Tumor targeting DVDMS-nanoliposomes for an enhanced sonodynamic therapy of gliomas. <i>Biomaterials Science</i> , 2019, 7, 985-994.	5.4	61
13	Sinoporphyrin sodium, a novel sensitizer, triggers mitochondrial-dependent apoptosis in ECA-109 cells via production of reactive oxygen species. <i>International Journal of Nanomedicine</i> , 2014, 9, 3077.	6.7	59
14	Comparison between sonodynamic effect with protoporphyrin IX and hematoporphyrin on sarcoma 180. <i>Cancer Chemotherapy and Pharmacology</i> , 2007, 60, 671-680.	2.3	55
15	Sonodynamic therapy induces the interplay between apoptosis and autophagy in K562 cells through ROS. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 60, 82-92.	2.8	51
16	Antimicrobial properties of a new type of photosensitizer derived from phthalocyanine against planktonic and biofilm forms of <i>Staphylococcus aureus</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 21, 316-326.	2.6	51
17	Gypenosides Synergistically Enhances the Anti-Tumor Effect of 5-Fluorouracil on Colorectal Cancer In Vitro and In Vivo: A Role for Oxidative Stress-Mediated DNA Damage and p53 Activation. <i>PLoS ONE</i> , 2015, 10, e0137888.	2.5	50
18	The effects of Ce6-mediated sono-photodynamic therapy on cell migration, apoptosis and autophagy in mouse mammary 4T1 cell line. <i>Ultrasonics</i> , 2014, 54, 981-989.	3.9	49

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19	A new sensitizer DVDMS combined with multiple focused ultrasound treatments: an effective antitumor strategy. <i>Scientific Reports</i> , 2015, 5, 17485.	3.3	49
20	Nanosensitization by Using Copper-Cysteamine Nanoparticles Augmented Sonodynamic Cancer Treatment. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700378.	2.3	47
21	Anti-Cancer Effect and the Underlying Mechanisms of Gypenosides on Human Colorectal Cancer SW-480 Cells. <i>PLoS ONE</i> , 2014, 9, e95609.	2.5	44
22	Ultrasound-triggered release of sinoporphyrin sodium from liposome-microbubble complexes and its enhanced sonodynamic toxicity in breast cancer. <i>Nano Research</i> , 2018, 11, 1038-1056.	10.4	44
23	Active-Targeting NIR-II Phototheranostics in Multiple Tumor Models Using Platelet-Camouflaged Nanoprobes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 55624-55637.	8.0	39
24	Microbubbles Enhance the Antitumor Effects of Sinoporphyrin Sodium Mediated Sonodynamic Therapy both In Vitro and In Vivo. <i>International Journal of Biological Sciences</i> , 2015, 11, 1401-1409.	6.4	37
25	Sensitivity to antitubulin chemotherapeutics is potentiated by a photoactivable nanoliposome. <i>Biomaterials</i> , 2017, 141, 50-62.	11.4	37
26	Sinoporphyrin sodium. <i>Anti-Cancer Drugs</i> , 2014, 25, 174-182.	1.4	36
27	Involvement of Mitochondrial and Reactive Oxygen Species in the Sonodynamic Toxicity of Chlorin e6 in Human Leukemia K562 Cells. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 990-1000.	1.5	35
28	Synthesis, Characterization, and Biological Evaluation of a Porphyrin-Based Photosensitizer and Its Isomer for Effective Photodynamic Therapy against Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 7189-7201.	6.4	31
29	Sonodynamic action of hypocrellin B triggers cell apoptosis of breast cancer cells involving caspase pathway. <i>Ultrasonics</i> , 2017, 73, 154-161.	3.9	30
30	Sonodynamically induced antitumor effect of hematoporphyrin on Hepatoma 22. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 943-948.	8.2	29
31	Antibacterial effect of S-Porphin sodium photodynamic therapy on <i>Staphylococcus aureus</i> and multiple drug resistance <i>Staphylococcus aureus</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 28, 80-87.	2.6	25
32	The Application of DVDMS as a Sensitizing Agent for Sono-/Photo-Therapy. <i>Frontiers in Pharmacology</i> , 2020, 11, 19.	3.5	25
33	Comparison of cell membrane damage induced by the therapeutic ultrasound on human breast cancer MCF-7 and MCF-7/ADR cells. <i>Ultrasonics Sonochemistry</i> , 2015, 26, 128-135.	8.2	23
34	Involvement of MAPK activation and ROS generation in human leukemia U937 cells undergoing apoptosis in response to sonodynamic therapy. <i>International Journal of Radiation Biology</i> , 2013, 89, 915-927.	1.8	22
35	Activation of microbubbles by low-intensity pulsed ultrasound enhances the cytotoxicity of curcumin involving apoptosis induction and cell motility inhibition in human breast cancer MDA-MB-231 cells. <i>Ultrasonics Sonochemistry</i> , 2016, 33, 26-36.	8.2	22
36	The antibacterial effect of sinoporphyrin sodium photodynamic therapy on <i>Staphylococcus aureus</i> planktonic and biofilm cultures. <i>Lasers in Surgery and Medicine</i> , 2016, 48, 400-408.	2.1	20

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37	Induction of Mitochondrial Dependent Apoptosis in Human Leukemia K562 Cells by Meconopsis integrifolia: A Species from Traditional Tibetan Medicine. <i>Molecules</i> , 2015, 20, 11981-11993.	3.8	19
38	Role of p38MAPK in apoptosis and autophagy responses to photodynamic therapy with Chlorin e6. <i>Photodiagnosis and Photodynamic Therapy</i> , 2015, 12, 84-91.	2.6	19
39	Sinoporphyrin sodium mediated photodynamic therapy inhibits the migration associated with collapse of F-actin filaments cytoskeleton in MDA-MB-231 cells. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 13, 58-65.	2.6	19
40	Investigating Migration Inhibition and Apoptotic Effects of Fomitopsis pinicola Chloroform Extract on Human Colorectal Cancer SW-480 Cells. <i>PLoS ONE</i> , 2014, 9, e101303.	2.5	18
41	Combination of Protoporphyrin IX-mediated Sonodynamic Treatment with Doxorubicin Synergistically Induced Apoptotic Cell Death of a Multidrug-Resistant Leukemia K562/DOX Cell Line. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 2731-2739.	1.5	17
42	Comparison of photodynamic treatment produced cell damage between human breast cancer cell MCF-7 and its multidrug resistance cell. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 16, 1-8.	2.6	17
43	Apoptosis and autophagy induced by DVDMS-PDT on human esophageal cancer Eca-109 cells. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 24, 198-205.	2.6	16
44	Effects of extraction methods on antioxidant and immunomodulatory activities of polysaccharides from superfine powder <i>Gynostemma pentaphyllum</i> Makino. <i>Glycoconjugate Journal</i> , 2020, 37, 777-789.	2.7	16
45	Blocking the Glycolytic Pathway Sensitizes Breast Cancer to Sonodynamic Therapy. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1233-1243.	1.5	14
46	Sonodynamic therapy induces oxidative stress, DNA damage and apoptosis in glioma cells. <i>RSC Advances</i> , 2018, 8, 36245-36256.	3.6	13
47	Comparison of hypocrellin B-mediated sonodynamic responsiveness between sensitive and multidrug-resistant human gastric cancer cell lines. <i>Journal of Medical Ultrasonics (2001)</i> , 2019, 46, 15-26.	1.3	13
48	Study of the Synergistic Effect on Hepatoma 22 Tumor Cells by Focused Ultrasound Activation of Hematoporphyrin. <i>Journal of Ultrasound in Medicine</i> , 2008, 27, 57-64.	1.7	12
49	Sonodynamic Therapy Combined to 2-Deoxyglucose Potentiate Cell Metastasis Inhibition of Breast Cancer. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 2984-2992.	1.5	12
50	2-Deoxyglucose augments photodynamic therapy induced mitochondrial caspase-independent apoptosis and energy-mediated autophagy. <i>Lasers in Surgery and Medicine</i> , 2019, 51, 352-362.	2.1	12
51	Synergistic antimicrobial effects of photodynamic antimicrobial chemotherapy and gentamicin on <i>Staphylococcus aureus</i> and multidrug-resistant <i>Staphylococcus aureus</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 30, 101703.	2.6	11
52	Interaction and oxidative damage of DVDMS to BSA: a study on the mechanism of photodynamic therapy-induced cell death. <i>Scientific Reports</i> , 2017, 7, 43324.	3.3	10
53	Characteristics, composition, and antioxidant activities <i>in vitro</i> and <i>in vivo</i> of <i>Gynostemma pentaphyllum</i> (Thunb.) Makino seed oil. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 2084-2093.	3.5	9
54	Comparative study of two kinds of repeated photodynamic therapy strategies in breast cancer by using a sensitizer, sinoporphyrin sodium. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 160, 299-305.	3.8	8

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55	Polytrichum commune L.ex Hedw ethyl acetate extract-triggered perturbations in intracellular Ca <sup>2+</sup> homeostasis regulates mitochondrial-dependent apoptosis. Journal of Ethnopharmacology, 2015, 172, 410-420.	4.1	7
56	Tailoring the cationic lipid composition of lipo-DVDMS augments the phototherapy efficiency of burn infection. Biomaterials Science, 2021, 9, 2053-2066.	5.4	6
57	Compositions and Anti-Tumor Activity of Pyropolyporus fomentarius Petroleum Ether Fraction In Vitro and In Vivo. PLoS ONE, 2014, 9, e109599.	2.5	5
58	Fruit Extract fromPyropolyporus fomentarius(L. ex Fr.) Teng Induces Mitochondria-Dependent Apoptosis in Leukemia Cells but Enhances Immunomodulatory Activities of Splenic Lymphocytes. Nutrition and Cancer, 2016, 68, 708-717.	2.0	3
59	Synthesis and evolution of S-Porphin sodium as a potential antitumor agent for photodynamic therapy against breast cancer. Organic Chemistry Frontiers, 2019, 6, 362-372.	4.5	3
60	Cancer Theranostics: Six Birds with One Stone: Versatile Nanoporphyrin for Singleâ€Laserâ€Triggered Synergistic Phototheranostics and Robust Immune Activation (Adv. Mater. 48/2020). Advanced Materials, 2020, 32, 2070360.	21.0	0