Juan Chen

List of Publications by Citations

75 papers	4,912 citations	32 h-index	70 g-index
77 ext. papers	5,371 ext. citations	8.8 avg, IF	5.52 L-index

#	Paper	IF	Citations
75	Activatable photosensitizers for imaging and therapy. *Chemical Reviews*, **2010**, 110, 2839-57	68.1	1294
74	Ablation of hypoxic tumors with dose-equivalent photothermal, but not photodynamic, therapy using a nanostructured porphyrin assembly. *ACS Nano*, **2013**, 7, 2541-50	16.7	321
73	Photodynamic molecular beacon as an activatable photosensitizer based on protease-controlled singlet oxygen quenching and activation. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 8989-94	11.5	253
72	Rerouting lipoprotein nanoparticles to selected alternate receptors for the targeted delivery of cancer diagnostic and therapeutic agents. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 17757-62	11.5	188
71	Tailoring nanoparticle designs to target cancer based on tumor pathophysiology. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E1142-51	11.5	187
70	Protease-triggered photosensitizing beacon based on singlet oxygen quenching and activation. *Journal of the American Chemical Society*, **2004**, 126, 11450-1	16.4	151
69	Biomimetic nanocarrier for direct cytosolic drug delivery. *Angewandte Chemie - International Edition* , **2009**, 48, 9171-5	16.4	134
68	A PEGylation-Free Biomimetic Porphyrin Nanoplatform for Personalized Cancer Theranostics. *ACS Nano*, **2015**, 9, 4484-95	16.7	133
67	HDL-mimicking peptide-lipid nanoparticles with improved tumor targeting. *Small*, **2010**, 6, 430-7	11	114
66	Targeting-triggered porphysome nanostructure disruption for activatable photodynamic therapy. *Advanced Healthcare Materials*, **2014**, 3, 1240-9	10.1	112
65	Ligand conjugated low-density lipoprotein nanoparticles for enhanced optical cancer imaging in vivo. *Journal of the American Chemical Society*, **2007**, 129, 5798-9	16.4	99
64	Lipid-based nanoparticles in the systemic delivery of siRNA. *Nanomedicine*, **2014**, 9, 105-20	5.6	98
63	Transforming a Targeted Porphyrin Theranostic Agent into a PET Imaging Probe for Cancer. *Theranostics*, **2011**, 1, 363-70	12.1	89
62	Low-density lipoprotein nanoparticles as magnetic resonance imaging contrast agents. *Neoplasia*, **2006**, 8, 488-98	6.4	88
61	Peptide-based pharmacomodulation of a cancer-targeted optical imaging and photodynamic therapy agent. *Bioconjugate Chemistry*, **2007**, 18, 379-88	6.3	87
60	Porphyrin FRET acceptors for apoptosis induction and monitoring. *Journal of the American Chemical Society*, **2011**, 133, 18580-2	16.4	80
59	Arterial spin labeling perfusion MRI in pediatric arterial ischemic stroke: initial experiences. *Journal of Magnetic Resonance Imaging*, **2009**, 29, 282-90	5.6	75

58	Efficient cytosolic delivery of siRNA using HDL-mimicking nanoparticles. *Small*, **2011**, 7, 568-73	11	69
57	Porphyrin Nanodroplets: Sub-micrometer Ultrasound and Photoacoustic Contrast Imaging Agents. *Small*, **2016**, 12, 371-80	11	67
56	Stable J-Aggregation of an aza-BODIPY-Lipid in a Liposome for Optical Cancer Imaging. *Angewandte Chemie - International Edition*, **2019**, 58, 13394-13399	16.4	67
55	Phototheranostic Porphyrin Nanoparticles Enable Visualization and Targeted Treatment of Head and Neck Cancer in Clinically Relevant Models. *Theranostics*, **2015**, 5, 1428-43	12.1	60
54	Stable J-aggregation enabled dual photoacoustic and fluorescence nanoparticles for intraoperative cancer imaging. *Nanoscale*, **2016**, 8, 12618-25	7.7	59
53	Synthesis and evaluation of a stable bacteriochlorophyll-analog and its incorporation into high-density lipoprotein nanoparticles for tumor imaging. *Bioconjugate Chemistry*, **2009**, 20, 2023-31	6.3	59
52	A tumor mRNA-triggered photodynamic molecular beacon based on oligonucleotide hairpin control of singlet oxygen production. *Photochemical and Photobiological Sciences*, **2008**, 7, 775-81	4.2	53
51	Enhanced Cancer-Targeted Delivery Using Engineered High-Density Lipoprotein-Based Nanocarriers. *Journal of Biomedical Nanotechnology*, **2007**, 3, 367-376	4	49
50	Nanoparticle-enabled, image-guided treatment planning of target specific RNAi therapeutics in an orthotopic prostate cancer model. *Small*, **2014**, 10, 3072-82	11	47
49	Mechanistic insights into LDL nanoparticle-mediated siRNA delivery. *Bioconjugate Chemistry*, **2012**, 23, 33-41	6.3	46
48	Multimodal Image-Guided Surgical and Photodynamic Interventions in Head and Neck Cancer: From Primary Tumor to Metastatic Drainage. *Clinical Cancer Research*, **2016**, 22, 961-70	12.9	41
47	Nanoparticle targeted folate receptor 1-enhanced photodynamic therapy for lung cancer. *Lung Cancer*, **2017**, 113, 59-68	5.9	41
46	"Zipper" molecular beacons: a generalized strategy to optimize the performance of activatable protease probes. *Bioconjugate Chemistry*, **2009**, 20, 1836-42	6.3	41
45	Naphthalocyanine-reconstituted LDL nanoparticles for in vivo cancer imaging and treatment. *International Journal of Nanomedicine*, **2007**, 2, 767-74	7.3	41
44	Imaging the cytosolic drug delivery mechanism of HDL-like nanoparticles. *Pharmaceutical Research*, **2014**, 31, 1438-49	4.5	34
43	Efficient systemic delivery of siRNA by using high-density lipoprotein-mimicking peptide lipid nanoparticles. *Nanomedicine*, **2012**, 7, 1813-25	5.6	32
42	Attenuation of nontargeted cell-kill using a high-density lipoprotein-mimicking peptide--phospholipid nanoscaffold. *Nanomedicine*, **2011**, 6, 631-41	5.6	32
41	Using the singlet oxygen scavenging property of carotenoid in photodynamic molecular beacons to minimize photodamage to non-targeted cells. *Photochemical and Photobiological Sciences*, **2007**, 6, 1311-7	4.2	30

40	Chlorosome-Inspired Synthesis of Templated Metallochlorin-Lipid Nanoassemblies for Biomedical Applications. *ACS Nano*, **2016**, 10, 4092-101	16.7	28
39	Nanotexaphyrin: One-Pot Synthesis of a Manganese Texaphyrin-Phospholipid Nanoparticle for Magnetic Resonance Imaging. *Angewandte Chemie - International Edition*, **2016**, 55, 6187-91	16.4	28
38	A Nanoemulsion with A Porphyrin Shell for Cancer Theranostics. *Angewandte Chemie - International Edition*, **2019**, 58, 14974-14978	16.4	26
37	Targeted Photodynamic Therapy Agent with a Built-In Apoptosis Sensor for in Vivo Near-Infrared Imaging of Tumor Apoptosis Triggered by its Photosensitization in Situ. *Molecular Imaging*, **2006**, 5, 7290.2006.00027	3.7	25
36	Tailoring Porphyrin Conjugation for Nanoassembly-Driven Phototheranostic Properties. *ACS Nano*, **2019**, 13, 4560-4571	16.7	24
35	Molecular imaging in drug development: Update and challenges for radiolabeled antibodies and nanotechnology. *Methods*, **2017**, 130, 23-35	4.6	24
34	Organized Aggregation of Porphyrins in Lipid Bilayers for Third Harmonic Generation Microscopy. *Angewandte Chemie - International Edition*, **2015**, 54, 13928-32	16.4	24
33	Theranostic lipid nanoparticles for cancer medicine. *Cancer Treatment and Research*, **2015**, 166, 103-27	3.5	24
32	Biologically-targeted detection of primary and micro-metastatic ovarian cancer. *Theranostics*, **2013**, 3, 420-7	12.1	23
31	Cytosolic delivery of LDL nanoparticle cargo using photochemical internalization. *Photochemical and Photobiological Sciences*, **2011**, 10, 810-6	4.2	23
30	Nanoparticle-Enabled Selective Destruction of Prostate Tumor Using MRI-Guided Focal Photothermal Therapy. *Prostate*, **2016**, 76, 1169-81	4.2	21
29	Lipoprotein Nanoplatform for Targeted Delivery of Diagnostic and Therapeutic Agents. *Molecular Imaging*, **2008**, 7, 7290.2008.0012	3.7	20
28	Porphyrin-High-Density Lipoprotein: A Novel Photosensitizing Nanoparticle for Lung Cancer Therapy. *Annals of Thoracic Surgery*, **2019**, 107, 369-377	2.7	17
27	Multipronged Biomimetic Approach To Create Optically Tunable Nanoparticles. *Angewandte Chemie - International Edition*, **2018**, 57, 8125-8129	16.4	16
26	Investigating the specific uptake of EGF-conjugated nanoparticles in lung cancer cells using fluorescence imaging. *Cancer Nanotechnology*, **2010**, 1, 71-78	7.9	16
25	Porphysome nanoparticles for enhanced photothermal therapy in a patient-derived orthotopic pancreas xenograft cancer model: a pilot study. *Journal of Biomedical Optics*, **2016**, 21, 84002	3.5	16
24	Tuning Pharmacokinetics to Improve Tumor Accumulation of a Prostate-Specific Membrane Antigen-Targeted Phototheranostic Agent. *Bioconjugate Chemistry*, **2018**, 29, 3746-3756	6.3	16
23	Use of Porphysomes to detect primary tumour, lymph node metastases, intra-abdominal metastases and as a tool for image-guided lymphadenectomy: proof of concept in endometrial cancer. *Theranostics*, **2019**, 9, 2727-2738	12.1	15

22	Photophysics of J-Aggregating Porphyrin-Lipid Photosensitizers in Liposomes: Impact of Lipid Saturation. *Langmuir*, **2020**, 36, 5385-5393	4	14
21	Multimodal Nanoparticle for Primary Tumor Delineation and Lymphatic Metastasis Mapping in a Head-and-Neck Cancer Rabbit Model. *Advanced Healthcare Materials*, **2015**, 4, 2164-2169	10.1	14
20	Biomimetic Nanocarrier for Direct Cytosolic Drug Delivery. *Angewandte Chemie*, **2009**, 121, 9335-9339	3.6	12
19	Porphyrin-lipid stabilized paclitaxel nanoemulsion for combined photodynamic therapy and chemotherapy. *Journal of Nanobiotechnology*, **2021**, 19, 154	9.4	11
18	Porphyrin-lipid nanovesicles (Porphysomes) are effective photosensitizers for photodynamic therapy. *Nanophotonics*, **2021**, 10, 3161-3168	6.3	10
17	Subtherapeutic Photodynamic Treatment Facilitates Tumor Nanomedicine Delivery and Overcomes Desmoplasia. *Nano Letters*, **2021**, 21, 344-352	11.5	9
16	Personalized siRNA-Nanoparticle Systemic Therapy using Metastatic Lymph Node Specimens Obtained with EBUS-TBNA in Lung Cancer. *Molecular Cancer Research*, **2018**, 16, 47-57	6.6	8
15	Nanostructure-Dependent Ratiometric NIR Fluorescence Enabled by Ordered Dye Aggregation. *ChemNanoMat*, **2016**, 2, 430-436	3.5	8
14	Nanotexaphyrin: One-Pot Synthesis of a Manganese Texaphyrin-Phospholipid Nanoparticle for Magnetic Resonance Imaging. *Angewandte Chemie*, **2016**, 128, 6295-6299	3.6	8
13	Evaluation of Novel Imaging Devices for Nanoparticle-Mediated Fluorescence-Guided Lung Tumor Therapy. *Annals of Thoracic Surgery*, **2019**, 107, 1613-1620	2.7	7
12	Long-Circulating Prostate-Specific Membrane Antigen-Targeted NIR Phototheranostic Agent. *Photochemistry and Photobiology*, **2020**, 96, 718-724	3.6	7
11	Mixed and Matched Metallo-Nanotexaphyrin for Customizable Biomedical Imaging. *Advanced Healthcare Materials*, **2019**, 8, e1800857	10.1	7
10	Using Fluorescence Imaging to Track Drug Delivery and Guide Treatment Planning In Vivo. *Methods in Molecular Biology*, **2016**, 1444, 153-66	1.4	6
9	Organized Aggregation of Porphyrins in Lipid Bilayers for Third Harmonic Generation Microscopy. *Angewandte Chemie*, **2015**, 127, 14134-14138	3.6	6
8	Synthesis and Development of Lipoprotein-Based Nanocarriers for Light-Activated Theranostics. *Israel Journal of Chemistry*, **2012**, 52, 715-727	3.4	5
7	Preclinical investigation of folate receptor-targeted nanoparticles for photodynamic therapy of malignant pleural mesothelioma. *International Journal of Oncology*, **2018**, 53, 2034-2046	4.4	5
6	Lipoprotein-Like Nanoparticle Carrying Small Interfering RNA Against Spalt-Like Transcription Factor 4 Effectively Targets Hepatocellular Carcinoma Cells and Decreases Tumor Burden. *Hepatology Communications*, **2020**, 4, 769-782	6	4
5	Multipronged Biomimetic Approach To Create Optically Tunable Nanoparticles. *Angewandte Chemie*, **2018**, 130, 8257-8261	3.6	4

4	A Nanoemulsion with A Porphyrin Shell for Cancer Theranostics. *Angewandte Chemie*, **2019**, 131, 15116-15120	3.6	4
3	In Vivo Potential of Manganese Chelated Porphysomes as MRI Contrast Agents. *STEM Fellowship Journal*, **2017**, 3, 47-53	0.2	4
2	Repeated porphyrin lipoprotein-based photodynamic therapy controls distant disease in mouse mesothelioma via the abscopal effect. *Nanophotonics*, **2021**, 10, 3279-3294	6.3	2
1	Rabbit VX2 head and neck squamous cell models for translational head and neck theranostic technology development. *Clinical and Translational Medicine*, **2021**, 11, e550	5.7	