Gang Zheng

List of Publications by Citations

249 papers	13,526 citations	60 h-index	109 g-index
283 ext. papers	15,382 ext. citations	8.6 avg, IF	6.9 L-index

#	Paper	IF	Citations
249	Activatable photosensitizers for imaging and therapy. *Chemical Reviews*, **2010**, 110, 2839-57	68.1	1294
248	Porphysome nanovesicles generated by porphyrin bilayers for use as multimodal biophotonic contrast agents. *Nature Materials*, **2011**, 10, 324-32	27	1043
247	Investigating the impact of nanoparticle size on active and passive tumor targeting efficiency. *ACS Nano*, **2014**, 8, 5696-706	16.7	426
246	Molecular Interactions in Organic Nanoparticles for Phototheranostic Applications. *Chemical Reviews*, **2015**, 115, 11012-42	68.1	343
245	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
244	In situ conversion of porphyrin microbubbles to nanoparticles for multimodality imaging. *Nature Nanotechnology*, **2015**, 10, 325-32	28.7	258
243	Lipoprotein-inspired nanoparticles for cancer theranostics. *Accounts of Chemical Research*, **2011**, 44, 1105-13	24.9	257
242	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
241	Overcoming obstacles in the tumor microenvironment: Recent advancements in nanoparticle delivery for cancer theranostics. *Biomaterials*, **2018**, 156, 217-237	15.6	216
240	Advancing porphyrin's biomedical utility via supramolecular chemistry. *Chemical Society Reviews*, **2017**, 46, 6433-6469	58.5	203
239	Advanced Photosensitizer Activation Strategies for Smarter Photodynamic Therapy Beacons. *Angewandte Chemie - International Edition*, **2019**, 58, 2558-2569	16.4	203
238	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
237	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
236	Synthesis, photophysical properties, tumor uptake, and preliminary in vivo photosensitizing efficacy of a homologous series of 3-(1'-alkyloxy)ethyl-3-devinylpurpurin-18-N-alkylimides with variable lipophilicity. *Journal of Medicinal Chemistry*, **2001**, 44, 1540-59	8.3	186
235	Photochemical and electrochemical properties of zinc chlorin-C60 dyad as compared to corresponding free-base chlorin-C60, free-base porphyrin-C60, and zinc porphyrin-C60 dyads. *Journal of the American Chemical Society*, **2001**, 123, 10676-83	16.4	181
234	Protease-triggered photosensitizing beacon based on singlet oxygen quenching and activation. *Journal of the American Chemical Society*, **2004**, 126, 11450-1	16.4	151
233	Porphyrin shell microbubbles with intrinsic ultrasound and photoacoustic properties. *Journal of the American Chemical Society*, **2012**, 134, 16464-7	16.4	150

232	Effect of removing Kupffer cells on nanoparticle tumor delivery. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E10871-E10880	11.5	142
231	Pyropheophorbide 2-deoxyglucosamide: a new photosensitizer targeting glucose transporters. *Bioconjugate Chemistry*, **2003**, 14, 709-14	6.3	137
230	Lipoprotein-based nanoparticles rescue the memory loss of mice with Alzheimer's disease by accelerating the clearance of amyloid-beta. *ACS Nano*, **2014**, 8, 2345-59	16.7	134
229	Biomimetic nanocarrier for direct cytosolic drug delivery. *Angewandte Chemie - International Edition* , **2009**, 48, 9171-5	16.4	134
228	A PEGylation-Free Biomimetic Porphyrin Nanoplatform for Personalized Cancer Theranostics. *ACS Nano*, **2015**, 9, 4484-95	16.7	133
227	An MRI-sensitive, non-photobleachable porphysome photothermal agent. *Angewandte Chemie - International Edition*, **2014**, 53, 6956-9	16.4	117
226	FRET quenching of photosensitizer singlet oxygen generation. *Journal of Physical Chemistry B*, **2009** , 113, 3203-11	3.4	114
225	HDL-mimicking peptide-lipid nanoparticles with improved tumor targeting. *Small*, **2010**, 6, 430-7	11	114
224	Targeting-triggered porphysome nanostructure disruption for activatable photodynamic therapy. *Advanced Healthcare Materials*, **2014**, 3, 1240-9	10.1	112
223	Synthesis of beta-galactose-conjugated chlorins derived by enyne metathesis as galectin-specific photosensitizers for photodynamic therapy. *Journal of Organic Chemistry*, **2001**, 66, 8709-16	4.2	107
222	The dose threshold for nanoparticle tumour delivery. *Nature Materials*, **2020**, 19, 1362-1371	27	106
221	Self-assembled porphyrin nanodiscs with structure-dependent activation for phototherapy and photodiagnostic applications. *ACS Nano*, **2013**, 7, 3484-90	16.7	103
220	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
219	Lipid-based nanoparticles in the systemic delivery of siRNA. *Nanomedicine*, **2014**, 9, 105-20	5.6	98
218	Flexible or fixed: a comparative review of linear and cyclic cancer-targeting peptides. *Future Medicinal Chemistry*, **2012**, 4, 1601-18	4.1	97
217	Stimuli-responsive photoacoustic nanoswitch for in vivo sensing applications. *ACS Nano*, **2014**, 8, 8363-73	16.7	94
216	Intrinsically copper-64-labeled organic nanoparticles as radiotracers. *Angewandte Chemie - International Edition*, **2012**, 51, 13128-31	16.4	94
215	On the issue of transparency and reproducibility in nanomedicine. *Nature Nanotechnology*, **2019**, 14, 629-635	28.7	92

214	Photodynamic molecular beacon triggered by fibroblast activation protein on cancer-associated fibroblasts for diagnosis and treatment of epithelial cancers. *Journal of Medicinal Chemistry*, **2009**, 52, 358-68	8.3	92
213	Enzymatic regioselection for the synthesis and biodegradation of porphysome nanovesicles. *Angewandte Chemie - International Edition*, **2012**, 51, 2429-33	16.4	91
212	Transforming a Targeted Porphyrin Theranostic Agent into a PET Imaging Probe for Cancer. *Theranostics*, **2011**, 1, 363-70	12.1	89
211	Low-density lipoprotein nanoparticles as magnetic resonance imaging contrast agents. *Neoplasia*, **2006**, 8, 488-98	6.4	88
210	Synthesis, photophysical properties, in vivo photosensitizing efficacy, and human serum albumin binding properties of some novel bacteriochlorins. *Journal of Medicinal Chemistry*, **1997**, 40, 2770-9	8.3	87
209	Peptide-based pharmacomodulation of a cancer-targeted optical imaging and photodynamic therapy agent. *Bioconjugate Chemistry*, **2007**, 18, 379-88	6.3	87
208	Low-density lipoprotein reconstituted by pyropheophorbide cholesteryl oleate as target-specific photosensitizer. *Bioconjugate Chemistry*, **2002**, 13, 392-6	6.3	86
207	Inherently multimodal nanoparticle-driven tracking and real-time delineation of orthotopic prostate tumors and micrometastases. *ACS Nano*, **2013**, 7, 4221-32	16.7	85
206	Porphysome nanotechnology: A paradigm shift in lipid-based supramolecular structures. *Nano Today*, **2014**, 9, 212-222	17.9	84
205	Small Reorganization Energy of Intramolecular Electron Transfer in Fullerene-Based Dyads with Short Linkage. *Journal of Physical Chemistry A*, **2002**, 106, 10991-10998	2.8	81
204	Porphyrin FRET acceptors for apoptosis induction and monitoring. *Journal of the American Chemical Society*, **2011**, 133, 18580-2	16.4	80
203	miRNA Delivery: Tailored Lipoprotein-Like miRNA Delivery Nanostructure Suppresses Glioma Stemness and Drug Resistance through Receptor-Stimulated Macropinocytosis (Adv. Sci. 5/2020). *Advanced Science*, **2020**, 7, 2070025	13.6	78
202	Liposomal nanostructures for photosensitizer delivery. *Lasers in Surgery and Medicine*, **2011**, 43, 734-48	3.6	77
201	GM1-Modified Lipoprotein-like Nanoparticle: Multifunctional Nanoplatform for the Combination Therapy of Alzheimer's Disease. *ACS Nano*, **2015**, 9, 10801-16	16.7	75
200	Methylene blue microbubbles as a model dual-modality contrast agent for ultrasound and activatable photoacoustic imaging. *Journal of Biomedical Optics*, **2014**, 19, 16005	3.5	72
199	Efficient cytosolic delivery of siRNA using HDL-mimicking nanoparticles. *Small*, **2011**, 7, 568-73	11	69
198	Porphyrin Nanodroplets: Sub-micrometer Ultrasound and Photoacoustic Contrast Imaging Agents. *Small*, **2016**, 12, 371-80	11	67
197	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

196	Aggregate enhanced trimodal porphyrin shell microbubbles for ultrasound, photoacoustic, and fluorescence imaging. *Bioconjugate Chemistry*, **2014**, 25, 796-801	6.3	67
195	Photodynamic therapy agent with a built-in apoptosis sensor for evaluating its own therapeutic outcome in situ. *Journal of Medicinal Chemistry*, **2006**, 49, 3850-6	8.3	66
194	Engineering multifunctional nanoparticles: all-in-one versus one-for-all. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2013**, 5, 250-65	9.2	61
193	Biomimetic ApoE-Reconstituted High Density Lipoprotein Nanocarrier for Blood-Brain Barrier Penetration and Amyloid Beta-Targeting Drug Delivery. *Molecular Pharmaceutics*, **2016**, 13, 3976-3987	5.6	61
192	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
191	Stable J-aggregation enabled dual photoacoustic and fluorescence nanoparticles for intraoperative cancer imaging. *Nanoscale*, **2016**, 8, 12618-25	7.7	59
190	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
189	Nano-enabled SERS reporting photosensitizers. *Theranostics*, **2015**, 5, 469-76	12.1	58
188	Activatable fluorescence: From small molecule to nanoparticle. *Advanced Drug Delivery Reviews*, **2017**, 113, 97-121	18.5	56
187	Porphyrin-lipid stabilized gold nanoparticles for surface enhanced Raman scattering based imaging. *Bioconjugate Chemistry*, **2012**, 23, 1726-30	6.3	55
186	Synthesis, comparative photosensitizing efficacy, human serum albumin (site II) binding ability, and intracellular localization characteristics of novel benzobacteriochlorins derived from vic-dihydroxybacteriochlorins. *Journal of Medicinal Chemistry*, **2003**, 46, 5349-59	8.3	55
185	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
184	Correlation between site II-specific human serum albumin (HSA) binding affinity and murine in vivo photosensitizing efficacy of some Photofrin components. *Photochemistry and Photobiology*, **1997**, 66, 224-8	3.6	51
183	Activating Drugs with Sound: Mechanisms Behind Sonodynamic Therapy and the Role of Nanomedicine. *Bioconjugate Chemistry*, **2020**, 31, 967-989	6.3	50
182	Metabolism-enhanced tumor localization by fluorescence imaging: in vivo animal studies. *Optics Letters*, **2003**, 28, 2070-2	3	50
181	Using molecular beacons for cancer imaging and treatment. *Frontiers in Bioscience - Landmark*, **2007** , 12, 4709-21	2.8	49
180	Enhanced Cancer-Targeted Delivery Using Engineered High-Density Lipoprotein-Based Nanocarriers. *Journal of Biomedical Nanotechnology*, **2007**, 3, 367-376	4	49
179	Metabolic imaging of tumors using intrinsic and extrinsic fluorescent markers. *Biosensors and Bioelectronics*, **2004**, 20, 643-50	11.8	48

178	Redox ratio of mitochondria as an indicator for the response of photodynamic therapy. *Journal of Biomedical Optics*, **2004**, 9, 772-8	3.5	48
177	Nanoparticle-enabled, image-guided treatment planning of target specific RNAi therapeutics in an orthotopic prostate cancer model. *Small*, **2014**, 10, 3072-82	11	47
176	Killer beacons for combined cancer imaging and therapy. *Current Medicinal Chemistry*, **2007**, 14, 2110-25	4.3	47
175	Tailored theranostic apolipoprotein E3 porphyrin-lipid nanoparticles target glioblastoma. *Chemical Science*, **2017**, 8, 5371-5384	9.4	46
174	Mechanistic insights into LDL nanoparticle-mediated siRNA delivery. *Bioconjugate Chemistry*, **2012**, 23, 33-41	6.3	46
173	High payload delivery of optical imaging and photodynamic therapy agents to tumors using phthalocyanine-reconstituted low-density lipoprotein nanoparticles. *Journal of Biomedical Optics*, **2005**, 10, 41203	3.5	46
172	Tricarbocyanine cholesteryl laurates labeled LDL: new near infrared fluorescent probes (NIRFs) for monitoring tumors and gene therapy of familial hypercholesterolemia. *Bioorganic and Medicinal Chemistry Letters*, **2002**, 12, 1485-8	2.9	43
171	Learning from biology: synthetic lipoproteins for drug delivery. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2015**, 7, 298-314	9.2	42
170	Self-sensing porphysomes for fluorescence-guided photothermal therapy. *Bioconjugate Chemistry*, **2015**, 26, 345-51	6.3	42
169	Multimodal bacteriochlorophyll theranostic agent. *Theranostics*, **2011**, 1, 354-62	12.1	42
168	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
167	Nanoparticle targeted folate receptor 1-enhanced photodynamic therapy for lung cancer. *Lung Cancer*, **2017**, 113, 59-68	5.9	41
166	"Zipper" molecular beacons: a generalized strategy to optimize the performance of activatable protease probes. *Bioconjugate Chemistry*, **2009**, 20, 1836-42	6.3	41
165	Carbocyanine labeled LDL for optical imaging of tumors. *Academic Radiology*, **2004**, 11, 669-77	4.3	41
164	Syntheses of stable bacteriochlorophyll-a derivatives as potential photosensitizers for photodynamic therapy. *Tetrahedron Letters*, **1996**, 37, 6431-6434	2	41
163	Naphthalocyanine-reconstituted LDL nanoparticles for in vivo cancer imaging and treatment. *International Journal of Nanomedicine*, **2007**, 2, 767-74	7.3	41
162	Peptide-based molecular beacons for cancer imaging and therapy. *Amino Acids*, **2011**, 41, 1123-34	3.5	40
161	Nanomedicine development guided by FRET imaging. *Nano Today*, **2018**, 18, 124-136	17.9	39

160	Advanced Photosensitizer Activation Strategies for Smarter Photodynamic Therapy Beacons. *Angewandte Chemie*, **2019**, 131, 2580-2591	3.6	39
159	Assessing the barriers to image-guided drug delivery. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2014**, 6, 1-14	9.2	39
158	Biodegradable star polymers shine for cancer drug delivery. *Nanomedicine*, **2011**, 6, 1155	5.6	39
157	Evaluation of bacteriochlorophyll-reconstituted low-density lipoprotein nanoparticles for photodynamic therapy efficacy in vivo. *Nanomedicine*, **2011**, 6, 475-87	5.6	39
156	Near-infrared optical imaging of B16 melanoma cells via low-density lipoprotein-mediated uptake and delivery of high emission dipole strength tris[(porphinato)zinc(II)] fluorophores. *Bioconjugate Chemistry*, **2005**, 16, 542-50	6.3	39
155	Facilitated brain delivery of poly (ethylene glycol)-poly (lactic acid) nanoparticles by microbubble-enhanced unfocused ultrasound. *Biomaterials*, **2014**, 35, 3384-95	15.6	37
154	Advancing Cancer Immunotherapies with Nanotechnology. *Advanced Therapeutics*, **2019**, 2, 1800128	4.9	36
153	Novel chlorin–diene building block by enyne metathesis: synthesis of chlorin–fullerene dyads. *Chemical Communications*, **1999**, 2469-2470	5.8	36
152	Improving accessibility of EPR-insensitive tumor phenotypes using EPR-adaptive strategies: Designing a new perspective in nanomedicine delivery. *Theranostics*, **2019**, 9, 8091-8108	12.1	36
151	In vivo detection of phospholipase C by enzyme-activated near-infrared probes. *Bioconjugate Chemistry*, **2011**, 22, 2434-43	6.3	35
150	Imaging the cytosolic drug delivery mechanism of HDL-like nanoparticles. *Pharmaceutical Research*, **2014**, 31, 1438-49	4.5	34
149	In vitro assessment of poly-iodinated triglyceride reconstituted low-density lipoprotein: initial steps toward CT molecular imaging. *Academic Radiology*, **2010**, 17, 1359-65	4.3	34
148	An MRI-Sensitive, Non-Photobleachable Porphysome Photothermal Agent. *Angewandte Chemie*, **2014**, 126, 7076-7079	3.6	33
147	Mimicking nature's nanocarrier: synthetic low-density lipoprotein-like nanoparticles for cancer-drug delivery. *Nanomedicine*, **2007**, 2, 375-80	5.6	33
146	Purpurinimides as photosensitizers: effect of the presence and position of the substituents in the in vivo photodynamic efficacy. *Bioorganic and Medicinal Chemistry Letters*, **2000**, 10, 1463-6	2.9	33
145	Photosensitizers related to purpurin-18-N-alkylimides: a comparative in vivo tumoricidal ability of ester versus amide functionalities. *Bioorganic and Medicinal Chemistry Letters*, **2000**, 10, 123-7	2.9	33
144	Efficient systemic delivery of siRNA by using high-density lipoprotein-mimicking peptide lipid nanoparticles. *Nanomedicine*, **2012**, 7, 1813-25	5.6	32
143	Attenuation of nontargeted cell-kill using a high-density lipoprotein-mimicking peptide--phospholipid nanoscaffold. *Nanomedicine*, **2011**, 6, 631-41	5.6	32

142	Thermolysis of vic-dihydroxybacteriochlorins: effect of the nature of substrates in directing the formation of chlorin-chlorin dimers with fixed and flexible orientations and their preliminary in vitro photosensitizing efficacy. *Journal of Organic Chemistry*, **2003**, 68, 3762-72	4.2	32
141	Imaging of specific activation of photodynamic molecular beacons in breast cancer vertebral metastases. *Bioconjugate Chemistry*, **2011**, 22, 1021-30	6.3	31
140	Rational Design of Photosynthesis-Inspired Nanomedicines. *Accounts of Chemical Research*, **2019**, 52, 1265-1274	24.3	30
139	Design and synthesis of phospholipase C and A2-activatable near-infrared fluorescent smart probes. *Bioconjugate Chemistry*, **2010**, 21, 1724-7	6.3	30
138	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
137	Chlorin-based symmetrical and unsymmetrical dimers with amide linkages: effect of the substituents on photodynamic and photophysical properties. *Journal of the Chemical Society, Perkin Transactions 1*, **2000**, 3113-3121		30
136	Near-infrared fluorescent imaging of metastatic ovarian cancer using folate receptor-targeted high-density lipoprotein nanocarriers. *Nanomedicine*, **2013**, 8, 875-90	5.6	29
135	Chlorosome-Inspired Synthesis of Templated Metallochlorin-Lipid Nanoassemblies for Biomedical Applications. *ACS Nano*, **2016**, 10, 4092-101	16.7	28
134	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
133	Nanomedicines Lost in Translation. *ACS Nano*, **2019**, 13, 13620-13626	16.7	28
132	A Nanoemulsion with A Porphyrin Shell for Cancer Theranostics. *Angewandte Chemie - International Edition*, **2019**, 58, 14974-14978	16.4	26
131	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
130	Wittig reactions on photoprotoporphyrin IX: new synthetic models for the special pair of the photosynthetic reaction center. *Journal of Organic Chemistry*, **2000**, 65, 543-57	4.2	25
129	Targeting SR-BI for Cancer Diagnostics, Imaging and Therapy. *Frontiers in Pharmacology*, **2016**, 7, 326	5.6	25
128	Tailoring Porphyrin Conjugation for Nanoassembly-Driven Phototheranostic Properties. *ACS Nano*, **2019**, 13, 4560-4571	16.7	24
127	Stable J-Aggregation of an aza-BODIPY-Lipid in a Liposome for Optical Cancer Imaging. *Angewandte Chemie*, **2019**, 131, 13528-13533	3.6	24
126	Molecular imaging in drug development: Update and challenges for radiolabeled antibodies and nanotechnology. *Methods*, **2017**, 130, 23-35	4.6	24
125	Dual in vivo photoacoustic and fluorescence imaging of HER2 expression in breast tumors for diagnosis, margin assessment, and surgical guidance. *Molecular Imaging*, **2014**, 13,	3.7	24

124	Organized Aggregation of Porphyrins in Lipid Bilayers for Third Harmonic Generation Microscopy. *Angewandte Chemie - International Edition*, **2015**, 54, 13928-32	16.4	24
123	Theranostic lipid nanoparticles for cancer medicine. *Cancer Treatment and Research*, **2015**, 166, 103-27	3.5	24
122	Contrast-enhanced near-infrared (NIR) optical imaging for subsurface cancer detection. *Journal of Porphyrins and Phthalocyanines*, **2004**, 08, 1106-1117	1.8	24
121	Biologically-targeted detection of primary and micro-metastatic ovarian cancer. *Theranostics*, **2013**, 3, 420-7	12.1	23
120	Facile synthesis of advanced photodynamic molecular beacon architectures. *Bioconjugate Chemistry* , **2010**, 21, 1023-5	6.3	23
119	Cytosolic delivery of LDL nanoparticle cargo using photochemical internalization. *Photochemical and Photobiological Sciences*, **2011**, 10, 810-6	4.2	23
118	Lipoprotein nanoplatform for targeted delivery of diagnostic and therapeutic agents. *Advances in Experimental Medicine and Biology*, **2009**, 645, 227-39	3.6	23
117	Syntheses and Spectroscopic Studies of Some Novel Porphyrin-Pyropheophorbide Dimers and Trimers with Fixed Distances. *Tetrahedron Letters*, **1997**, 38, 2409-2412	2	23
116	Controlling Spatial Heat and Light Distribution by Using Photothermal Enhancing Auto-Regulated Liposomes (PEARLs). *Angewandte Chemie - International Edition*, **2016**, 55, 10003-7	16.4	22
115	Characterizing the metabolic heterogeneity in human breast cancer xenografts by 3D high resolution fluorescence imaging. *SpringerPlus*, **2013**, 2, 73		22
114	Nanoparticle-Enabled Selective Destruction of Prostate Tumor Using MRI-Guided Focal Photothermal Therapy. *Prostate*, **2016**, 76, 1169-81	4.2	21
113	Multimodal micro, nano, and size conversion ultrasound agents for imaging and therapy. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2016**, 8, 796-813	9.2	21
112	An Integrated Nanotechnology-Enabled Transbronchial Image-Guided Intervention Strategy for Peripheral Lung Cancer. *Cancer Research*, **2016**, 76, 5870-5880	10.1	20
111	Lipoprotein Nanoplatform for Targeted Delivery of Diagnostic and Therapeutic Agents. *Molecular Imaging*, **2008**, 7, 7290.2008.0012	3.7	20
110	Breaking free from vascular confinement: status and prospects for submicron ultrasound contrast agents. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2018**, 10, e1502	9.2	20
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108	Orthotopic lung cancer murine model by nonoperative transbronchial approach. *Annals of Thoracic Surgery*, **2014**, 97, 1771-5	2.7	17
107	Syntheses of emeraldin and purpurin-18 analogs as target-specific photosensitizers for photodynamic therapy. *Tetrahedron Letters*, **1997**, 38, 3335-3338	2	17

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105	Clearance of two organic nanoparticles from the brain via the paravascular pathway. *Journal of Controlled Release*, **2020**, 322, 31-41	11.7	16
104	Multipronged Biomimetic Approach To Create Optically Tunable Nanoparticles. *Angewandte Chemie - International Edition*, **2018**, 57, 8125-8129	16.4	16
103	Optically controlled pore formation in self-sealing giant porphyrin vesicles. *Small*, **2014**, 10, 1184-93	11	16
102	Investigating the specific uptake of EGF-conjugated nanoparticles in lung cancer cells using fluorescence imaging. *Cancer Nanotechnology*, **2010**, 1, 71-78	7.9	16
101	ACTIVATABLE SMART PROBES FOR MOLECULAR OPTICAL IMAGING AND THERAPY. *Journal of Innovative Optical Health Sciences*, **2008**, 01, 45-61	1.2	16
100	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
99	Tuning Pharmacokinetics to Improve Tumor Accumulation of a Prostate-Specific Membrane Antigen-Targeted Phototheranostic Agent. *Bioconjugate Chemistry*, **2018**, 29, 3746-3756	6.3	16
98	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
97	Specific and Direct Amplified Detection of MicroRNA with MicroRNA:Argonaute-2 Cleavage (miRACle) Beacons. *Angewandte Chemie - International Edition*, **2017**, 56, 13704-13708	16.4	15
96	Simultaneous Intravital Optical and Acoustic Monitoring of Ultrasound-Triggered Nanobubble Generation and Extravasation. *Nano Letters*, **2020**, 20, 4512-4519	11.5	14
95	Photophysics of J-Aggregating Porphyrin-Lipid Photosensitizers in Liposomes: Impact of Lipid Saturation. *Langmuir*, **2020**, 36, 5385-5393	4	14
94	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
93	Threshold-dependent nonlinear scattering from porphyrin nanobubbles for vascular and extravascular applications. *Physics in Medicine and Biology*, **2018**, 63, 215001	3.8	14
92	Tailored Lipoprotein-Like miRNA Delivery Nanostructure Suppresses Glioma Stemness and Drug Resistance through Receptor-Stimulated Macropinocytosis. *Advanced Science*, **2020**, 7, 1903290	13.6	13
91	Matrix metalloproteinase-based photodynamic molecular beacons for targeted destruction of bone metastases in vivo. *Photochemical and Photobiological Sciences*, **2016**, 15, 375-81	4.2	13
90	Programmed nanoparticle aggregation using molecular beacons. *Angewandte Chemie - International Edition*, **2010**, 49, 7917-9	16.4	13
89	Quantitative Structure–Activity Relationships Study on the Ah Receptor Binding Affinities of Polybrominated Diphenyl Ethers Using a Support Vector Machine. *QSAR and Combinatorial Science*, **2007**, 26, 536-541		13

88	A Simple and Short Synthesis of Divinyl Chlorophyll Derivatives. *Journal of Organic Chemistry*, **1999**, 64, 3751-3754	4.2	13
87	Synthesis of Novel Benzobacteriopurpurins by Diels-Alder Cycloaddition. *Chemistry Letters*, **1996**, 25, 1119-1120	1.7	13
86	Comparative in vivo sensitizing efficacy of porphyrin and chlorin dimers joined with ester, ether, carbon□carbon or amide bonds **1996**, 9, 118-122		13
85	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, 520-32	3.7	13
84	Biomimetic Nanocarrier for Direct Cytosolic Drug Delivery. *Angewandte Chemie*, **2009**, 121, 9335-9339	3.6	12
83	Nano versus Molecular: Optical Imaging Approaches to Detect and Monitor Tumor Hypoxia. *Advanced Healthcare Materials*, **2021**, 10, e2001549	10.1	12
82	Research tools for extrapolating the disposition and pharmacokinetics of nanomaterials from preclinical animals to humans. *Theranostics*, **2019**, 9, 3365-3387	12.1	11
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