Gang Zheng

List of Publications by Year in Descending Order

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	Diagnostic accuracy of imaging approaches for early tumor detection in children with Li-Fraumeni syndrome.. *Pediatric Radiology*, **2022**, 1	2.8	0
248	Nanomedicine design principles: Facilitating clinical translation through problem-centered thinking **2021**,		
247	Complex cellular environments imaged by SERS nanoprobes using sugars as an all-in-one vector. *Journal of Materials Chemistry B*, **2021**, 9, 9285-9294	7.3	0
246	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	
245	Porphyrin-lipid stabilized paclitaxel nanoemulsion for combined photodynamic therapy and chemotherapy. *Journal of Nanobiotechnology*, **2021**, 19, 154	9.4	11
244	Fast, facile, base-free microwave-assisted metallation of bacteriochlorophylls and corresponding high yield synthesis of TOOKAD. *Journal of Porphyrins and Phthalocyanines*, **2021**, 25, 703-713	1.8	2
243	Improving the Delivery of Drugs and Nucleic Acids to T Cells Using Nanotechnology. *Small Structures*, **2021**, 2, 2100026	8.7	2
242	High-Frequency Array-Based Nanobubble Nonlinear Imaging in a Phantom and In Vivo. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2021**, 68, 2059-2074	3.2	1
241	Porphyrin-lipid nanovesicles (Porphysomes) are effective photosensitizers for photodynamic therapy. *Nanophotonics*, **2021**, 10, 3161-3168	6.3	10
240	Nano versus Molecular: Optical Imaging Approaches to Detect and Monitor Tumor Hypoxia. *Advanced Healthcare Materials*, **2021**, 10, e2001549	10.1	12
239	High frequency ultrasound nonlinear scattering from porphyrin nanobubbles. *Ultrasonics*, **2021**, 110, 106245	3.5	9
238	Subtherapeutic Photodynamic Treatment Facilitates Tumor Nanomedicine Delivery and Overcomes Desmoplasia. *Nano Letters*, **2021**, 21, 344-352	11.5	9
237	pH Driven self-assembly of aza-BODIPY J-aggregates **2021**, 885-892		
236	Radiation Impacts Early Atherosclerosis by Suppressing Intimal LDL Accumulation. *Circulation Research*, **2021**, 128, 530-543	15.7	3
235	Repeated porphyrin lipoprotein-based photodynamic therapy controls distant disease in mouse mesothelioma via the abscopal effect. *Nanophotonics*, **2021**, 10, 3279-3294	6.3	2
234	Clinical diagonal translation of nanoparticles: Case studies in dendrimer nanomedicine. *Journal of Controlled Release*, **2021**, 337, 356-370	11.7	5
233	A preclinical research platform to evaluate photosensitizers for transbronchial localization and phototherapy of lung cancer using an orthotopic mouse model. *Translational Lung Cancer Research*, **2021**, 10, 243-251	4.4	1

232	N6-methyladenosine reader YTHDF1 promotes ARHGEF2 translation and RhoA signaling in colorectal cancer.. *Gastroenterology*, **2021**,	13.3	4
231	Nanomedicine in Hepatocellular Carcinoma: A New Frontier in Targeted Cancer Treatment.. *Pharmaceutics*, **2021**, 14,	6.4	5
230	Targeted Theranostic In/Lu-Nanotexaphyrin for SPECT Imaging and Photodynamic Therapy.. *Molecular Pharmaceutics*, **2021**,	5.6	3
229	Simultaneous Intravital Optical and Acoustic Monitoring of Ultrasound-Triggered Nanobubble Generation and Extravasation. *Nano Letters*, **2020**, 20, 4512-4519	11.5	14
228	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
227	Clearance of two organic nanoparticles from the brain via the paravascular pathway. *Journal of Controlled Release*, **2020**, 322, 31-41	11.7	16
226	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
225	Activating Drugs with Sound: Mechanisms Behind Sonodynamic Therapy and the Role of Nanomedicine. *Bioconjugate Chemistry*, **2020**, 31, 967-989	6.3	50
224	Tailored Lipoprotein-Like miRNA Delivery Nanostructure Suppresses Glioma Stemness and Drug Resistance through Receptor-Stimulated Macropinocytosis. *Advanced Science*, **2020**, 7, 1903290	13.6	13
223	Photophysics of J-Aggregating Porphyrin-Lipid Photosensitizers in Liposomes: Impact of Lipid Saturation. *Langmuir*, **2020**, 36, 5385-5393	4	14
222	Guidelines for the experimental design of pharmacokinetic studies with nanomaterials in preclinical animal models. *Journal of Controlled Release*, **2020**, 323, 83-101	11.7	9
221	Photodynamic therapy enables tumor-specific ablation in preclinical models of thyroid cancer. *Endocrine-Related Cancer*, **2020**, 27, 41-53	5.7	4
220	Long-Circulating Prostate-Specific Membrane Antigen-Targeted NIR Phototheranostic Agent. *Photochemistry and Photobiology*, **2020**, 96, 718-724	3.6	7
219	The dose threshold for nanoparticle tumour delivery. *Nature Materials*, **2020**, 19, 1362-1371	27	106
218	Concurrent visual and acoustic tracking of passive and active delivery of nanobubbles to tumors. *Theranostics*, **2020**, 10, 11690-11706	12.1	7
217	Advancing Cancer Immunotherapies with Nanotechnology. *Advanced Therapeutics*, **2019**, 2, 1800128	4.9	36
216	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
215	Research tools for extrapolating the disposition and pharmacokinetics of nanomaterials from preclinical animals to humans. *Theranostics*, **2019**, 9, 3365-3387	12.1	11

214	A Novel Laser Fiberscope for Simultaneous Imaging and Phototherapy of Peripheral Lung Cancer. *Chest*, **2019**, 156, 571-578	5.3	5
213	Evaluation of Novel Imaging Devices for Nanoparticle-Mediated Fluorescence-Guided Lung Tumor Therapy. *Annals of Thoracic Surgery*, **2019**, 107, 1613-1620	2.7	7
212	Rational Design of Photosynthesis-Inspired Nanomedicines. *Accounts of Chemical Research*, **2019**, 52, 1265-1274	24.3	30
211	Tailoring Porphyrin Conjugation for Nanoassembly-Driven Phototheranostic Properties. *ACS Nano*, **2019**, 13, 4560-4571	16.7	24
210	Advanced Photosensitizer Activation Strategies for Smarter Photodynamic Therapy Beacons. *Angewandte Chemie*, **2019**, 131, 2580-2591	3.6	39
209	Resonance-Based Frequency-Selective Amplification for Increased Photoacoustic Imaging Sensitivity. *ACS Photonics*, **2019**, 6, 2268-2276	6.3	5
208	A Nanoemulsion with A Porphyrin Shell for Cancer Theranostics. *Angewandte Chemie - International Edition*, **2019**, 58, 14974-14978	16.4	26
207	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
206	Stable J-Aggregation of an aza-BODIPY-Lipid in a Liposome for Optical Cancer Imaging. *Angewandte Chemie*, **2019**, 131, 13528-13533	3.6	24
205	On the issue of transparency and reproducibility in nanomedicine. *Nature Nanotechnology*, **2019**, 14, 629-635	28.7	92
204	pH Driven self-assembly of aza-BODIPY J-aggregates. *Journal of Porphyrins and Phthalocyanines*, **2019**, 23, 518-525	1.8	3
203	A Nanoemulsion with A Porphyrin Shell for Cancer Theranostics. *Angewandte Chemie*, **2019**, 131, 15116-15120	3.6	4
202	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
201	Nanomedicines Lost in Translation. *ACS Nano*, **2019**, 13, 13620-13626	16.7	28
200	Mixed and Matched Metallo-Nanotexaphyrin for Customizable Biomedical Imaging. *Advanced Healthcare Materials*, **2019**, 8, e1800857	10.1	7
199	Porphyrin-High-Density Lipoprotein: A Novel Photosensitizing Nanoparticle for Lung Cancer Therapy. *Annals of Thoracic Surgery*, **2019**, 107, 369-377	2.7	17
198	Texaphyrin: From molecule to nanoparticle. *Coordination Chemistry Reviews*, **2019**, 379, 133-146	23.2	6
197	Advanced Photosensitizer Activation Strategies for Smarter Photodynamic Therapy Beacons. *Angewandte Chemie - International Edition*, **2019**, 58, 2558-2569	16.4	203

196	Nanomedicine development guided by FRET imaging. *Nano Today*, **2018**, 18, 124-136	17.9	39
195	Overcoming obstacles in the tumor microenvironment: Recent advancements in nanoparticle delivery for cancer theranostics. *Biomaterials*, **2018**, 156, 217-237	15.6	216
194	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
193	Multipronged Biomimetic Approach To Create Optically Tunable Nanoparticles. *Angewandte Chemie*, **2018**, 130, 8257-8261	3.6	4
192	Multipronged Biomimetic Approach To Create Optically Tunable Nanoparticles. *Angewandte Chemie - International Edition*, **2018**, 57, 8125-8129	16.4	16
191	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
190	Cover Image, Volume 10, Issue 4. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2018**, 10, e1533	9.2	1
189	Threshold-dependent nonlinear scattering from porphyrin nanobubbles for vascular and extravascular applications. *Physics in Medicine and Biology*, **2018**, 63, 215001	3.8	14
188	Tuning Pharmacokinetics to Improve Tumor Accumulation of a Prostate-Specific Membrane Antigen-Targeted Phototheranostic Agent. *Bioconjugate Chemistry*, **2018**, 29, 3746-3756	6.3	16
187	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
186	Highlights from the latest in nanomedicine research. *Nanomedicine*, **2018**, 13, 977-980	5.6	2
185	Tailored theranostic apolipoprotein E3 porphyrin-lipid nanoparticles target glioblastoma. *Chemical Science*, **2017**, 8, 5371-5384	9.4	46
184	Advancing porphyrin's biomedical utility via supramolecular chemistry. *Chemical Society Reviews*, **2017**, 46, 6433-6469	58.5	203
183	Nanoparticle targeted folate receptor 1-enhanced photodynamic therapy for lung cancer. *Lung Cancer*, **2017**, 113, 59-68	5.9	41
182	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
181	Specific and Direct Amplified Detection of MicroRNA with MicroRNA:Argonaute-2 Cleavage (miRACle) Beacons. *Angewandte Chemie*, **2017**, 129, 13892-13896	3.6	7
180	Can photoacoustic imaging quantify surface-localized J-aggregating nanoparticles?. *Journal of Biomedical Optics*, **2017**, 22, 76008	3.5	2
179	Molecular imaging in drug development: Update and challenges for radiolabeled antibodies and nanotechnology. *Methods*, **2017**, 130, 23-35	4.6	24

178	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
177	In Vivo Potential of Manganese Chelated Porphysomes as MRI Contrast Agents. *STEM Fellowship Journal*, **2017**, 3, 47-53	0.2	4
176	Activatable fluorescence: From small molecule to nanoparticle. *Advanced Drug Delivery Reviews*, **2017**, 113, 97-121	18.5	56
175	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
174	Feature issue introduction: biophotonic materials and applications. *Optical Materials Express*, **2016**, 6, 1747	2.6	1
173	An Integrated Nanotechnology-Enabled Transbronchial Image-Guided Intervention Strategy for Peripheral Lung Cancer. *Cancer Research*, **2016**, 76, 5870-5880	10.1	20
172	Controlling Spatial Heat and Light Distribution by Using Photothermal Enhancing Auto-Regulated Liposomes (PEARLs). *Angewandte Chemie*, **2016**, 128, 10157-10161	3.6	4
171	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
170	Porphyrin Nanodroplets: Sub-micrometer Ultrasound and Photoacoustic Contrast Imaging Agents. *Small*, **2016**, 12, 371-80	11	67
169	Topical MMP beacon enabled fluorescence-guided resection of oral carcinoma. *Biomedical Optics Express*, **2016**, 7, 1089-99	3.5	5
168	Using Fluorescence Imaging to Track Drug Delivery and Guide Treatment Planning In Vivo. *Methods in Molecular Biology*, **2016**, 1444, 153-66	1.4	6
167	Nanoparticle-Enabled Selective Destruction of Prostate Tumor Using MRI-Guided Focal Photothermal Therapy. *Prostate*, **2016**, 76, 1169-81	4.2	21
166	Rethinking translational nanomedicine: insights from the 'bottom-up' design of the Porphysome for guiding the clinical development of imageable nanomaterials. *Current Opinion in Chemical Biology*, **2016**, 33, 126-34	9.7	6
165	Chlorosome-Inspired Synthesis of Templated Metallochlorin-Lipid Nanoassemblies for Biomedical Applications. *ACS Nano*, **2016**, 10, 4092-101	16.7	28
164	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
163	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
162	Stable J-aggregation enabled dual photoacoustic and fluorescence nanoparticles for intraoperative cancer imaging. *Nanoscale*, **2016**, 8, 12618-25	7.7	59
161	Targeting SR-BI for Cancer Diagnostics, Imaging and Therapy. *Frontiers in Pharmacology*, **2016**, 7, 326	5.6	25

160	Nanostructure-Dependent Ratiometric NIR Fluorescence Enabled by Ordered Dye Aggregation. *ChemNanoMat*, **2016**, 2, 430-436	3.5	8
159	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
158	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
157	Nanotexaphyrin: One-Pot Synthesis of a Manganese Texaphyrin-Phospholipid Nanoparticle for Magnetic Resonance Imaging. *Angewandte Chemie*, **2016**, 128, 6295-6299	3.6	8
156	Non-invasive Macrophage Tracking Using Novel Porphysome Nanoparticles in the Post-myocardial Infarction Murine Heart. *Molecular Imaging and Biology*, **2016**, 18, 557-68	3.8	11
155	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
154	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
153	Feature issue introduction: biophotonic materials and applications. *Biomedical Optics Express*, **2016**, 7, 2078-81	3.5	1
152	Porphyrin Nanoparticles for Cancer Imaging and Phototherapy **2016**, 273-293		0
151	Porphyrin nanoparticles in photomedicine **2015**, 511-526		3
150	In situ conversion of porphyrin microbubbles to nanoparticles for multimodality imaging. *Nature Nanotechnology*, **2015**, 10, 325-32	28.7	258
149	Molecular Interactions in Organic Nanoparticles for Phototheranostic Applications. *Chemical Reviews*, **2015**, 115, 11012-42	68.1	343
148	GM1-Modified Lipoprotein-like Nanoparticle: Multifunctional Nanoplatform for the Combination Therapy of Alzheimer's Disease. *ACS Nano*, **2015**, 9, 10801-16	16.7	75
147	Learning from biology: synthetic lipoproteins for drug delivery. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2015**, 7, 298-314	9.2	42
146	Organized Aggregation of Porphyrins in Lipid Bilayers for Third Harmonic Generation Microscopy. *Angewandte Chemie*, **2015**, 127, 14134-14138	3.6	6
145	Organized Aggregation of Porphyrins in Lipid Bilayers for Third Harmonic Generation Microscopy. *Angewandte Chemie - International Edition*, **2015**, 54, 13928-32	16.4	24
144	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
143	Nano-enabled SERS reporting photosensitizers. *Theranostics*, **2015**, 5, 469-76	12.1	58

142	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
141	A PEGylation-Free Biomimetic Porphyrin Nanoplatform for Personalized Cancer Theranostics. *ACS Nano*, **2015**, 9, 4484-95	16.7	133
140	Theranostic lipid nanoparticles for cancer medicine. *Cancer Treatment and Research*, **2015**, 166, 103-27	3.5	24
139	Activation kinetics of zipper molecular beacons. *Journal of Physical Chemistry B*, **2015**, 119, 44-53	3.4	6
138	Self-sensing porphysomes for fluorescence-guided photothermal therapy. *Bioconjugate Chemistry*, **2015**, 26, 345-51	6.3	42
137	Facilitated brain delivery of poly (ethylene glycol)-poly (lactic acid) nanoparticles by microbubble-enhanced unfocused ultrasound. *Biomaterials*, **2014**, 35, 3384-95	15.6	37
136	An MRI-sensitive, non-photobleachable porphysome photothermal agent. *Angewandte Chemie - International Edition*, **2014**, 53, 6956-9	16.4	117
135	An MRI-Sensitive, Non-Photobleachable Porphysome Photothermal Agent. *Angewandte Chemie*, **2014**, 126, 7076-7079	3.6	33
134	Investigating the impact of nanoparticle size on active and passive tumor targeting efficiency. *ACS Nano*, **2014**, 8, 5696-706	16.7	426
133	Modulation of reactive oxygen species photogeneration of bacteriopheophorbide a derivatives by exocyclic E-ring opening and charge modifications. *Journal of Medicinal Chemistry*, **2014**, 57, 223-37	8.3	11
132	Targeting-triggered porphysome nanostructure disruption for activatable photodynamic therapy. *Advanced Healthcare Materials*, **2014**, 3, 1240-9	10.1	112
131	Phototherapy: Targeting-Triggered Porphysome Nanostructure Disruption for Activatable Photodynamic Therapy (Adv. Healthcare Mater. 8/2014). *Advanced Healthcare Materials*, **2014**, 3, 1122-1122	10.1	3
130	Aggregate enhanced trimodal porphyrin shell microbubbles for ultrasound, photoacoustic, and fluorescence imaging. *Bioconjugate Chemistry*, **2014**, 25, 796-801	6.3	67
129	Stimuli-responsive photoacoustic nanoswitch for in vivo sensing applications. *ACS Nano*, **2014**, 8, 8363-73	16.7	94
128	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
127	Porphyrins for Imaging, Photodynamic Therapy, and Photothermal Therapy **2014**, 229-254		5
126	Lipid-based nanoparticles in the systemic delivery of siRNA. *Nanomedicine*, **2014**, 9, 105-20	5.6	98
125	Porphysome nanotechnology: A paradigm shift in lipid-based supramolecular structures. *Nano Today*, **2014**, 9, 212-222	17.9	84

124	Organic Biophotonic Nanoparticles: Porphysomes and Beyond. *IEEE Journal of Selected Topics in Quantum Electronics*, **2014**, 20, 27-34	3.8	2
123	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
122	Synthesis and characterization of a new natural product analog, 132-173-bacteriochlorophyllone a. *Journal of Porphyrins and Phthalocyanines*, **2014**, 18, 188-199	1.8	3
121	Porphysome nanoparticles: Tailoring treatments with nature pigments. *Photonics & Lasers in Medicine*, **2014**, 3,		6
120	Optically controlled pore formation in self-sealing giant porphyrin vesicles. *Small*, **2014**, 10, 1184-93	11	16
119	Assessing the barriers to image-guided drug delivery. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2014**, 6, 1-14	9.2	39
118	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
117	Orthotopic lung cancer murine model by nonoperative transbronchial approach. *Annals of Thoracic Surgery*, **2014**, 97, 1771-5	2.7	17
116	Imaging the cytosolic drug delivery mechanism of HDL-like nanoparticles. *Pharmaceutical Research*, **2014**, 31, 1438-49	4.5	34
115	Nanoparticle-enabled, image-guided treatment planning of target specific RNAi therapeutics in an orthotopic prostate cancer model. *Small*, **2014**, 10, 3072-82	11	47
114	Near-infrared fluorescent imaging of metastatic ovarian cancer using folate receptor-targeted high-density lipoprotein nanocarriers. *Nanomedicine*, **2013**, 8, 875-90	5.6	29
113	Self-assembled porphyrin nanodiscs with structure-dependent activation for phototherapy and photodiagnostic applications. *ACS Nano*, **2013**, 7, 3484-90	16.7	103
112	Characterizing the metabolic heterogeneity in human breast cancer xenografts by 3D high resolution fluorescence imaging. *SpringerPlus*, **2013**, 2, 73		22
111	Inherently multimodal nanoparticle-driven tracking and real-time delineation of orthotopic prostate tumors and micrometastases. *ACS Nano*, **2013**, 7, 4221-32	16.7	85
110	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
109	Photodynamic Molecular Beacons **2013**, 295		
108	Engineering multifunctional nanoparticles: all-in-one versus one-for-all. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2013**, 5, 250-65	9.2	61
107	One minute, sub-one-watt photothermal tumor ablation using porphysomes, intrinsic multifunctional nanovesicles. *Journal of Visualized Experiments*, **2013**, e50536	1.6	8

106	Biologically-targeted detection of primary and micro-metastatic ovarian cancer. *Theranostics*, **2013**, 3, 420-7	12.1	23
105	Enzymatic regioselection for the synthesis and biodegradation of porphysome nanovesicles. *Angewandte Chemie - International Edition*, **2012**, 51, 2429-33	16.4	91
104	Intrinsically Copper-64-Labeled Organic Nanoparticles as Radiotracers. *Angewandte Chemie*, **2012**, 124, 13305-13308	3.6	11
103	Intrinsically copper-64-labeled organic nanoparticles as radiotracers. *Angewandte Chemie - International Edition*, **2012**, 51, 13128-31	16.4	94
102	Mechanistic insights into LDL nanoparticle-mediated siRNA delivery. *Bioconjugate Chemistry*, **2012**, 23, 33-41	6.3	46
101	Synthesis and Development of Lipoprotein-Based Nanocarriers for Light-Activated Theranostics. *Israel Journal of Chemistry*, **2012**, 52, 715-727	3.4	5
100	Efficient systemic delivery of siRNA by using high-density lipoprotein-mimicking peptide lipid nanoparticles. *Nanomedicine*, **2012**, 7, 1813-25	5.6	32
99	Porphyrin shell microbubbles with intrinsic ultrasound and photoacoustic properties. *Journal of the American Chemical Society*, **2012**, 134, 16464-7	16.4	150
98	Flexible or fixed: a comparative review of linear and cyclic cancer-targeting peptides. *Future Medicinal Chemistry*, **2012**, 4, 1601-18	4.1	97
97	QUANTIFYING NANOPARTICLE TRANSPORT USING HYPERSPECTRAL IMAGING WITH A DORSAL SKINFOLD WINDOW CHAMBER. *Journal of Innovative Optical Health Sciences*, **2012**, 5,	1.2	4
96	Porphyrin-lipid stabilized gold nanoparticles for surface enhanced Raman scattering based imaging. *Bioconjugate Chemistry*, **2012**, 23, 1726-30	6.3	55
95	Enzymatic Regioselection for the Synthesis and Biodegradation of Porphysome Nanovesicles. *Angewandte Chemie*, **2012**, 124, 2479-2483	3.6	11
94	High-resolution simultaneous mapping of mitochondrial redox state and glucose uptake in human breast tumor xenografts. *Advances in Experimental Medicine and Biology*, **2012**, 737, 175-9	3.6	3
93	Imaging of specific activation of photodynamic molecular beacons in breast cancer vertebral metastases. *Bioconjugate Chemistry*, **2011**, 22, 1021-30	6.3	31
92	Biodegradable star polymers shine for cancer drug delivery. *Nanomedicine*, **2011**, 6, 1155	5.6	39
91	Evaluation of bacteriochlorophyll-reconstituted low-density lipoprotein nanoparticles for photodynamic therapy efficacy in vivo. *Nanomedicine*, **2011**, 6, 475-87	5.6	39
90	Lipoprotein-inspired nanoparticles for cancer theranostics. *Accounts of Chemical Research*, **2011**, 44, 1105-13	24.3	257
89	Porphysome nanovesicles generated by porphyrin bilayers for use as multimodal biophotonic contrast agents. *Nature Materials*, **2011**, 10, 324-32	27	1043

88	Multimodal bacteriochlorophyll theranostic agent. *Theranostics*, **2011**, 1, 354-62	12.1	42
87	Transforming a Targeted Porphyrin Theranostic Agent into a PET Imaging Probe for Cancer. *Theranostics*, **2011**, 1, 363-70	12.1	89
86	Peptide-based molecular beacons for cancer imaging and therapy. *Amino Acids*, **2011**, 41, 1123-34	3.5	40
85	Efficient cytosolic delivery of siRNA using HDL-mimicking nanoparticles. *Small*, **2011**, 7, 568-73	11	69
84	Liposomal nanostructures for photosensitizer delivery. *Lasers in Surgery and Medicine*, **2011**, 43, 734-48	3.6	77
83	Lipoprotein-Based Nanoplatforms for Cancer Molecular Imaging **2011**, 431-462		2
82	In vivo detection of phospholipase C by enzyme-activated near-infrared probes. *Bioconjugate Chemistry*, **2011**, 22, 2434-43	6.3	35
81	Cytosolic delivery of LDL nanoparticle cargo using photochemical internalization. *Photochemical and Photobiological Sciences*, **2011**, 10, 810-6	4.2	23
80	Porphyrin FRET acceptors for apoptosis induction and monitoring. *Journal of the American Chemical Society*, **2011**, 133, 18580-2	16.4	80
79	Attenuation of nontargeted cell-kill using a high-density lipoprotein-mimicking peptide--phospholipid nanoscaffold. *Nanomedicine*, **2011**, 6, 631-41	5.6	32
78	BRITTON CHANCE AND THE THERANOSTIC BEACON DEVELOPMENT AT PENN. *Journal of Innovative Optical Health Sciences*, **2011**, 04, 483-485	1.2	
77	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
76	Programmed nanoparticle aggregation using molecular beacons. *Angewandte Chemie - International Edition*, **2010**, 49, 7917-9	16.4	13
75	Facile synthesis of advanced photodynamic molecular beacon architectures. *Bioconjugate Chemistry* , **2010**, 21, 1023-5	6.3	23
74	Design and synthesis of phospholipase C and A2-activatable near-infrared fluorescent smart probes. *Bioconjugate Chemistry*, **2010**, 21, 1724-7	6.3	30
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