Xiaoyuan Chen

List of Publications by Citations

1,054 papers	93,709 citations	152 h-index	258 g-index
1,121 ext. papers	108,899 ext. citations	12 avg, IF	8.73 L-index

#	Paper	IF	Citations
1054	High-thermoelectric performance of nanostructured bismuth antimony telluride bulk alloys. *Science*, **2008**, 320, 634-8	33.3	4220
1053	Upconversion nanoparticles: design, nanochemistry, and applications in theranostics. *Chemical Reviews*, **2014**, 114, 5161-214	68.1	1742
1052	In vivo biodistribution and highly efficient tumour targeting of carbon nanotubes in mice. *Nature Nanotechnology*, **2007**, 2, 47-52	28.7	1270
1051	Photothermal therapy and photoacoustic imaging via nanotheranostics in fighting cancer. *Chemical Society Reviews*, **2019**, 48, 2053-2108	58.5	1212
1050	Drug delivery with carbon nanotubes for in vivo cancer treatment. *Cancer Research*, **2008**, 68, 6652-60	10.1	1084
1049	Nanoparticle-based theranostic agents. *Advanced Drug Delivery Reviews*, **2010**, 62, 1064-79	18.5	1083
1048	Carbon nanotubes as photoacoustic molecular imaging agents in living mice. *Nature Nanotechnology*, **2008**, 3, 557-62	28.7	1065
1047	Reactive oxygen species generating systems meeting challenges of photodynamic cancer therapy. *Chemical Society Reviews*, **2016**, 45, 6597-6626	58.5	1052
1046	Nanotechnology for Multimodal Synergistic Cancer Therapy. *Chemical Reviews*, **2017**, 117, 13566-13638	68.1	949
1045	Circulation and long-term fate of functionalized, biocompatible single-walled carbon nanotubes in mice probed by Raman spectroscopy. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 1410-5	11.5	931
1044	Overcoming the Achilles' heel of photodynamic therapy. *Chemical Society Reviews*, **2016**, 45, 6488-6519	58.5	858
1043	Peptide-labeled near-infrared quantum dots for imaging tumor vasculature in living subjects. *Nano Letters*, **2006**, 6, 669-76	11.5	836
1042	Diverse Applications of Nanomedicine. *ACS Nano*, **2017**, 11, 2313-2381	16.7	714
1041	Simultaneous Fenton-like Ion Delivery and Glutathione Depletion by MnO -Based Nanoagent to Enhance Chemodynamic Therapy. *Angewandte Chemie - International Edition*, **2018**, 57, 4902-4906	16.4	654
1040	Rethinking cancer nanotheranostics. *Nature Reviews Materials*, **2017**, 2,	73.3	639
1039	Gold Nanoparticles for In Vitro Diagnostics. *Chemical Reviews*, **2015**, 115, 10575-636	68.1	598
1038	Clinical development and potential of photothermal and photodynamic therapies for cancer. *Nature Reviews Clinical Oncology*, **2020**, 17, 657-674	19.4	570

1037	Light-triggered theranostics based on photosensitizer-conjugated carbon dots for simultaneous enhanced-fluorescence imaging and photodynamic therapy. *Advanced Materials*, **2012**, 24, 5104-10	24	557
1036	Photosensitizer-loaded gold vesicles with strong plasmonic coupling effect for imaging-guided photothermal/photodynamic therapy. *ACS Nano*, **2013**, 7, 5320-9	16.7	534
1035	Electrochemical immunosensors for detection of cancer protein biomarkers. *ACS Nano*, **2012**, 6, 6546-61	16.7	515
1034	Multifunctional Fe□□@polydopamine core-shell nanocomposites for intracellular mRNA detection and imaging-guided photothermal therapy. *ACS Nano*, **2014**, 8, 3876-83	16.7	502
1033	Nanoparticle design strategies for enhanced anticancer therapy by exploiting the tumour microenvironment. *Chemical Society Reviews*, **2017**, 46, 3830-3852	58.5	500
1032	Biodegradable gold nanovesicles with an ultrastrong plasmonic coupling effect for photoacoustic imaging and photothermal therapy. *Angewandte Chemie - International Edition*, **2013**, 52, 13958-13964	16.4	495
1031	Nanoplatforms for targeted molecular imaging in living subjects. *Small*, **2007**, 3, 1840-54	11	495
1030	Surface-engineered magnetic nanoparticle platforms for cancer imaging and therapy. *Accounts of Chemical Research*, **2011**, 44, 883-92	24.3	474
1029	PET/MRI dual-modality tumor imaging using arginine-glycine-aspartic (RGD)-conjugated radiolabeled iron oxide nanoparticles. *Journal of Nuclear Medicine*, **2008**, 49, 1371-9	8.9	448
1028	In vivo visualization of embryonic stem cell survival, proliferation, and migration after cardiac delivery. *Circulation*, **2006**, 113, 1005-14	16.7	448
1027	Multimodality molecular imaging of tumor angiogenesis. *Journal of Nuclear Medicine*, **2008**, 49 Suppl 2, 113S-28S	8.9	444
1026	Supramolecular stacking of doxorubicin on carbon nanotubes for in vivo cancer therapy. *Angewandte Chemie - International Edition*, **2009**, 48, 7668-72	16.4	424
1025	Pulse accumulation, radial heat conduction, and anisotropic thermal conductivity in pump-probe transient thermoreflectance. *Review of Scientific Instruments*, **2008**, 79, 114902	1.7	422
1024	Synthesis of Copper Peroxide Nanodots for HO Self-Supplying Chemodynamic Therapy. *Journal of the American Chemical Society*, **2019**, 141, 9937-9945	16.4	419
1023	PET/NIRF/MRI triple functional iron oxide nanoparticles. *Biomaterials*, **2010**, 31, 3016-22	15.6	410
1022	Single continuous wave laser induced photodynamic/plasmonic photothermal therapy using photosensitizer-functionalized gold nanostars. *Advanced Materials*, **2013**, 25, 3055-61	24	404
1021	Ratiometric optical nanoprobes enable accurate molecular detection and imaging. *Chemical Society Reviews*, **2018**, 47, 2873-2920	58.5	394
1020	Bioconjugated Manganese Dioxide Nanoparticles Enhance Chemotherapy Response by Priming Tumor-Associated Macrophages toward M1-like Phenotype and Attenuating Tumor Hypoxia. *ACS Nano*, **2016**, 10, 633-647	16.7	389

1019	Effects of nanoparticle size on cellular uptake and liver MRI with polyvinylpyrrolidone-coated iron oxide nanoparticles. *ACS Nano*, **2010**, 4, 7151-60	16.7	373
1018	Ultrasmall c(RGDyK)-coated Fe3O4 nanoparticles and their specific targeting to integrin alpha(v)beta3-rich tumor cells. *Journal of the American Chemical Society*, **2008**, 130, 7542-3	16.4	372
1017	Applications and potential toxicity of magnetic iron oxide nanoparticles. *Small*, **2013**, 9, 1533-45	11	371
1016	Particle size, surface coating, and PEGylation influence the biodistribution of quantum dots in living mice. *Small*, **2009**, 5, 126-34	11	368
1015	Glucose-Responsive Sequential Generation of Hydrogen Peroxide and Nitric Oxide for Synergistic Cancer Starving-Like/Gas Therapy. *Angewandte Chemie - International Edition*, **2017**, 56, 1229-1233	16.4	367
1014	Gold nanoparticles for photoacoustic imaging. *Nanomedicine*, **2015**, 10, 299-320	5.6	367
1013	Theranostic nanoplatforms for simultaneous cancer imaging and therapy: current approaches and future perspectives. *Nanoscale*, **2012**, 4, 330-42	7.7	353
1012	Dual-function probe for PET and near-infrared fluorescence imaging of tumor vasculature. *Journal of Nuclear Medicine*, **2007**, 48, 1862-70	8.9	353
1011	In vivo near-infrared fluorescence imaging of integrin alphavbeta3 in brain tumor xenografts. *Cancer Research*, **2004**, 64, 8009-14	10.1	335
1010	Octapod iron oxide nanoparticles as high-performance T2 contrast agents for magnetic resonance imaging. *Nature Communications*, **2013**, 4, 2266	17.4	331
1009	Ultrahigh sensitivity carbon nanotube agents for photoacoustic molecular imaging in living mice. *Nano Letters*, **2010**, 10, 2168-72	11.5	331
1008	In vivo covalent cross-linking of photon-converted rare-earth nanostructures for tumour localization and theranostics. *Nature Communications*, **2016**, 7, 10432	17.4	314
1007	Near-Infrared-II Molecular Dyes for Cancer Imaging and Surgery. *Advanced Materials*, **2019**, 31, e1900321	24	305
1006	Structural and functional photoacoustic molecular tomography aided by emerging contrast agents. *Chemical Society Reviews*, **2014**, 43, 7132-70	58.5	294
1005	Sequential Drug Release and Enhanced Photothermal and Photoacoustic Effect of Hybrid Reduced Graphene Oxide-Loaded Ultrasmall Gold Nanorod Vesicles for Cancer Therapy. *ACS Nano*, **2015**, 9, 9199-209	16.7	284
1004	Fluorine-18 radiochemistry, labeling strategies and synthetic routes. *Bioconjugate Chemistry*, **2015**, 26, 1-18	6.3	273
1003	Emerging Strategies of Cancer Therapy Based on Ferroptosis. *Advanced Materials*, **2018**, 30, e1704007	24	272
1002	Effect of injection routes on the biodistribution, clearance, and tumor uptake of carbon dots. *ACS Nano*, **2013**, 7, 5684-93	16.7	268

1001	RGD-modified apoferritin nanoparticles for efficient drug delivery to tumors. *ACS Nano*, **2013**, 7, 4830-7	16.7	266
1000	US imaging of tumor angiogenesis with microbubbles targeted to vascular endothelial growth factor receptor type 2 in mice. *Radiology*, **2008**, 246, 508-18	20.5	265
999	Hierarchical Targeting Strategy for Enhanced Tumor Tissue Accumulation/Retention and Cellular Internalization. *Advanced Materials*, **2016**, 28, 7340-64	24	263
998	Synthesizing and Dispersing Silver Nanoparticles in a Water-in-Supercritical Carbon Dioxide Microemulsion. *Journal of the American Chemical Society*, **1999**, 121, 2631-2632	16.4	262
997	Biomineralization-Inspired Synthesis of Copper Sulfide-Ferritin Nanocages as Cancer Theranostics. *ACS Nano*, **2016**, 10, 3453-60	16.7	259
996	Peptides and peptide hormones for molecular imaging and disease diagnosis. *Chemical Reviews*, **2010**, 110, 3087-111	68.1	259
995	Precise nanomedicine for intelligent therapy of cancer. *Science China Chemistry*, **2018**, 61, 1503-1552	7.9	256
994	Fenton-Reaction-Acceleratable Magnetic Nanoparticles for Ferroptosis Therapy of Orthotopic Brain Tumors. *ACS Nano*, **2018**, 12, 11355-11365	16.7	256
993	Nanoscintillator-mediated X-ray inducible photodynamic therapy for in vivo cancer treatment. *Nano Letters*, **2015**, 15, 2249-56	11.5	253
992	Facile synthesis of pentacle gold-copper alloy nanocrystals and their plasmonic and catalytic properties. *Nature Communications*, **2014**, 5, 4327	17.4	249
991	microPET imaging of glioma integrin {alpha}v{beta}3 expression using (64)Cu-labeled tetrameric RGD peptide. *Journal of Nuclear Medicine*, **2005**, 46, 1707-18	8.9	249
990	Co_3Se_4 nanoplates as a new theranostic platform for photoacoustic/magnetic resonance dual-modal-imaging-guided chemo-photothermal combination therapy. *Advanced Materials*, **2015**, 27, 3285-91	24	246
989	Activatable Singlet Oxygen Generation from Lipid Hydroperoxide Nanoparticles for Cancer Therapy. *Angewandte Chemie - International Edition*, **2017**, 56, 6492-6496	16.4	245
988	Dye-loaded ferritin nanocages for multimodal imaging and photothermal therapy. *Advanced Materials*, **2014**, 26, 6401-8	24	244
987	Current detection technologies for circulating tumor cells. *Chemical Society Reviews*, **2017**, 46, 2038-2056	58.5	242
986	Intraoperative imaging-guided cancer surgery: from current fluorescence molecular imaging methods to future multi-modality imaging technology. *Theranostics*, **2014**, 4, 1072-84	12.1	239
985	Graphene-based nanomaterials for bioimaging. *Advanced Drug Delivery Reviews*, **2016**, 105, 242-254	18.5	237
984	Near-field thermal radiation between two closely spaced glass plates exceeding Planck's blackbody radiation law. *Applied Physics Letters*, **2008**, 92, 133106	3.4	236

983	A synergistically enhanced T(1) -T(2) dual-modal contrast agent. *Advanced Materials*, **2012**, 24, 6223-8	24	232
982	High-sensitivity nanosensors for biomarker detection. *Chemical Society Reviews*, **2012**, 41, 2641-55	58.5	232
981	Vascular endothelial growth factor as an anti-angiogenic target for cancer therapy. *Current Drug Targets*, **2010**, 11, 1000-17	3	231
980	Peptide-based probes for targeted molecular imaging. *Biochemistry*, **2010**, 49, 1364-76	3.2	228
979	Synthesis and biological evaluation of dimeric RGD peptide-paclitaxel conjugate as a model for integrin-targeted drug delivery. *Journal of Medicinal Chemistry*, **2005**, 48, 1098-106	8.3	228
978	Cancer-Associated, Stimuli-Driven, Turn on Theranostics for Multimodality Imaging and Therapy. *Advanced Materials*, **2017**, 29, 1606857	24	226
977	Ultrasmall Gold Nanorod Vesicles with Enhanced Tumor Accumulation and Fast Excretion from the Body for Cancer Therapy. *Advanced Materials*, **2015**, 27, 4910-7	24	226
976	Ultrasmall Semimetal Nanoparticles of Bismuth for Dual-Modal Computed Tomography/Photoacoustic Imaging and Synergistic Thermoradiotherapy. *ACS Nano*, **2017**, 11, 3990-4001	16.7	225
975	Quantitative PET imaging of tumor integrin alphavbeta3 expression with 18F-FRGD2. *Journal of Nuclear Medicine*, **2006**, 47, 113-21	8.9	221
974	Accelerating the Translation of Nanomaterials in Biomedicine. *ACS Nano*, **2015**, 9, 6644-54	16.7	220
973	Ferritin nanocages to encapsulate and deliver photosensitizers for efficient photodynamic therapy against cancer. *ACS Nano*, **2013**, 7, 6988-96	16.7	220
972	Nanocarbons for Biology and Medicine: Sensing, Imaging, and Drug Delivery. *Chemical Reviews*, **2019**, 119, 9559-9656	68.1	219
971	Self-assembly of amphiphilic plasmonic micelle-like nanoparticles in selective solvents. *Journal of the American Chemical Society*, **2013**, 135, 7974-84	16.4	218
970	Preparation and characterization of water-soluble albumin-bound curcumin nanoparticles with improved antitumor activity. *International Journal of Pharmaceutics*, **2011**, 403, 285-91	6.5	218
969	Near-infrared fluorescent RGD peptides for optical imaging of integrin alphavbeta3 expression in living mice. *Bioconjugate Chemistry*, **2005**, 16, 1433-41	6.3	217
968	Simple bioconjugate chemistry serves great clinical advances: albumin as a versatile platform for diagnosis and precision therapy. *Chemical Society Reviews*, **2016**, 45, 1432-56	58.5	215
967	Chimeric ferritin nanocages for multiple function loading and multimodal imaging. *Nano Letters*, **2011**, 11, 814-9	11.5	213
966	PET of vascular endothelial growth factor receptor expression. *Journal of Nuclear Medicine*, **2006**, 47, 2048-56	8.9	213

965	Toxic Reactive Oxygen Species Enhanced Synergistic Combination Therapy by Self-Assembled Metal-Phenolic Network Nanoparticles. *Advanced Materials*, **2018**, 30, 1704877	24	211
964	MicroPET and autoradiographic imaging of breast cancer alpha v-integrin expression using 18F- and 64Cu-labeled RGD peptide. *Bioconjugate Chemistry*, **2004**, 15, 41-9	6.3	211
963	Engineering Phototheranostic Nanoscale Metal-Organic Frameworks for Multimodal Imaging-Guided Cancer Therapy. *ACS Applied Materials & Interfaces*, **2017**, 9, 2040-2051	9.5	210
962	Photoacoustic Imaging: Contrast Agents and Their Biomedical Applications. *Advanced Materials*, **2019**, 31, e1805875	24	209
961	Family of enhanced photoacoustic imaging agents for high-sensitivity and multiplexing studies in living mice. *ACS Nano*, **2012**, 6, 4694-701	16.7	207
960	(64)Cu-labeled tetrameric and octameric RGD peptides for small-animal PET of tumor alpha(v)beta(3) integrin expression. *Journal of Nuclear Medicine*, **2007**, 48, 1162-71	8.9	207
959	Quantitative PET of EGFR expression in xenograft-bearing mice using 64Cu-labeled cetuximab, a chimeric anti-EGFR monoclonal antibody. *European Journal of Nuclear Medicine and Molecular Imaging*, **2007**, 34, 850-8	8.8	206
958	Integrin alpha(v)beta(3)-Targeted Cancer Therapy. *Drug Development Research*, **2008**, 69, 329-339	5.1	205
957	Preparation of peptide-conjugated quantum dots for tumor vasculature-targeted imaging. *Nature Protocols*, **2008**, 3, 89-96	18.8	203
956	Dual imaging-guided photothermal/photodynamic therapy using micelles. *Biomaterials*, **2014**, 35, 4656-66	15.6	199
955	Anti-angiogenic cancer therapy based on integrin alphavbeta3 antagonism. *Anti-Cancer Agents in Medicinal Chemistry*, **2006**, 6, 407-28	2.2	199
954	Emerging blood-brain-barrier-crossing nanotechnology for brain cancer theranostics. *Chemical Society Reviews*, **2019**, 48, 2967-3014	58.5	196
953	Engineered iron-oxide-based nanoparticles as enhanced T1 contrast agents for efficient tumor imaging. *ACS Nano*, **2013**, 7, 3287-96	16.7	195
952	Efficient Nanovaccine Delivery in Cancer Immunotherapy. *ACS Nano*, **2017**, 11, 2387-2392	16.7	192
951	Stimuli-Responsive Programmed Specific Targeting in Nanomedicine. *ACS Nano*, **2016**, 10, 2991-4	16.7	192
950	18F-labeled RGD peptide: initial evaluation for imaging brain tumor angiogenesis. *Nuclear Medicine and Biology*, **2004**, 31, 179-89	2.1	191
949	Unusual magnetic properties of one-dimensional molecule-based magnets associated with a structural phase transition. *Inorganic Chemistry*, **2002**, 41, 5686-92	5.1	190
948	Trafficking mesenchymal stem cell engraftment and differentiation in tumor-bearing mice by bioluminescence imaging. *Stem Cells*, **2009**, 27, 1548-58	5.8	188

947	Protease-activated drug development. *Theranostics*, **2012**, 2, 156-78	12.1	187
946	Pegylated Arg-Gly-Asp peptide: 64Cu labeling and PET imaging of brain tumor alphavbeta3-integrin expression. *Journal of Nuclear Medicine*, **2004**, 45, 1776-83	8.9	185
945	Photosensitizer loaded nano-graphene for multimodality imaging guided tumor photodynamic therapy. *Theranostics*, **2014**, 4, 229-39	12.1	183
944	pH-controlled gas-generating mineralized nanoparticles: a theranostic agent for ultrasound imaging and therapy of cancers. *ACS Nano*, **2015**, 9, 134-45	16.7	182
943	Photosensitizer-conjugated silica-coated gold nanoclusters for fluorescence imaging-guided photodynamic therapy. *Biomaterials*, **2013**, 34, 4643-54	15.6	182
942	Efficient production and enhanced tumor delivery of engineered extracellular vesicles. *Biomaterials* , **2016**, 105, 195-205	15.6	182
941	Non-viral delivery systems for CRISPR/Cas9-based genome editing: Challenges and opportunities. *Biomaterials*, **2018**, 171, 207-218	15.6	180
940	Recent advances in nanomaterial-based synergistic combination cancer immunotherapy. *Chemical Society Reviews*, **2019**, 48, 3771-3810	58.5	179
939	Triphase interface synthesis of plasmonic gold bellflowers as near-infrared light mediated acoustic and thermal theranostics. *Journal of the American Chemical Society*, **2014**, 136, 8307-13	16.4	179
938	Peptides in cancer nanomedicine: drug carriers, targeting ligands and protease substrates. *Journal of Controlled Release*, **2012**, 159, 2-13	11.7	179
937	MicroPET imaging of breast cancer alphav-integrin expression with 64Cu-labeled dimeric RGD peptides. *Molecular Imaging and Biology*, **2004**, 6, 350-9	3.8	179
936	Tumor vasculature targeted photodynamic therapy for enhanced delivery of nanoparticles. *ACS Nano*, **2014**, 8, 6004-13	16.7	178
935	Iron Oxide Nanoparticle Based Contrast Agents for Magnetic Resonance Imaging. *Molecular Pharmaceutics*, **2017**, 14, 1352-1364	5.6	178
934	How molecular imaging is speeding up antiangiogenic drug development. *Molecular Cancer Therapeutics*, **2006**, 5, 2624-33	6.1	178
933	Clinical Application of Radiolabeled RGD Peptides for PET Imaging of Integrin . *Theranostics*, **2016**, 6, 78-92	12.1	178
932	The design and application of fluorophore-gold nanoparticle activatable probes. *Physical Chemistry Chemical Physics*, **2011**, 13, 9929-41	3.6	176
931	In vitro and in vivo characterization of 64Cu-labeled Abegrin, a humanized monoclonal antibody against integrin alpha v beta 3. *Cancer Research*, **2006**, 66, 9673-81	10.1	176
930	Albumin/vaccine nanocomplexes that assemble in vivo for combination cancer immunotherapy. *Nature Communications*, **2017**, 8, 1954	17.4	174

929	Imaging of integrins as biomarkers for tumor angiogenesis. *Current Pharmaceutical Design*, **2008**, 14, 2943-73	3.3	174
928	Pharmacokinetics and tumor retention of 125I-labeled RGD peptide are improved by PEGylation. *Nuclear Medicine and Biology*, **2004**, 31, 11-9	2.1	174
927	(68)Ga-labeled multimeric RGD peptides for microPET imaging of integrin alpha(v)beta (3) expression. *European Journal of Nuclear Medicine and Molecular Imaging*, **2008**, 35, 1100-8	8.8	173
926	Antitumor Activity of a Unique Polymer That Incorporates a Fluorescent Self-Assembled Metallacycle. *Journal of the American Chemical Society*, **2017**, 139, 15940-15949	16.4	172
925	Tumor Microenvironment-Triggered Supramolecular System as an In Situ Nanotheranostic Generator for Cancer Phototherapy. *Advanced Materials*, **2017**, 29, 1605928	24	170
924	Dual-modality optical and positron emission tomography imaging of vascular endothelial growth factor receptor on tumor vasculature using quantum dots. *European Journal of Nuclear Medicine and Molecular Imaging*, **2008**, 35, 2235-44	8.8	169
923	Artificial cells: from basic science to applications. *Materials Today*, **2016**, 19, 516-532	21.8	169
922	Repurposing Cyanine NIR-I Dyes Accelerates Clinical Translation of Near-Infrared-II (NIR-II) Bioimaging. *Advanced Materials*, **2018**, 30, e1802546	24	168
921	Supramolecular Polymer-Based Nanomedicine: High Therapeutic Performance and Negligible Long-Term Immunotoxicity. *Journal of the American Chemical Society*, **2018**, 140, 8005-8019	16.4	168
920	Structure-Relaxivity Relationships of Magnetic Nanoparticles for Magnetic Resonance Imaging. *Advanced Materials*, **2019**, 31, e1804567	24	166
919	Stimuli-Responsive NO Release for On-Demand Gas-Sensitized Synergistic Cancer Therapy. *Angewandte Chemie - International Edition*, **2018**, 57, 8383-8394	16.4	166
918	Integrin targeted delivery of chemotherapeutics. *Theranostics*, **2011**, 1, 189-200	12.1	165
917	microPET-based biodistribution of quantum dots in living mice. *Journal of Nuclear Medicine*, **2007**, 48, 1511-8	8.9	165
916	Recent Advances in Photoacoustic Imaging for Deep-Tissue Biomedical Applications. *Theranostics*, **2016**, 6, 2394-2413	12.1	165
915	HSA coated iron oxide nanoparticles as drug delivery vehicles for cancer therapy. *Molecular Pharmaceutics*, **2011**, 8, 1669-76	5.6	164
914	Nanoparticles for cell labeling. *Nanoscale*, **2011**, 3, 142-53	7.7	163
913	Multifunctional Theranostic Nanoparticles Based on Exceedingly Small Magnetic Iron Oxide Nanoparticles for T-Weighted Magnetic Resonance Imaging and Chemotherapy. *ACS Nano*, **2017**, 11, 10992-11004	16.7	161
912	Development of endogenous enzyme-responsive nanomaterials for theranostics. *Chemical Society Reviews*, **2018**, 47, 5554-5573	58.5	161

911	Tumor-Specific Formation of Enzyme-Instructed Supramolecular Self-Assemblies as Cancer Theranostics. *ACS Nano*, **2015**, 9, 9517-27	16.7	160
910	Gold Nanoparticle Coated Carbon Nanotube Ring with Enhanced Raman Scattering and Photothermal Conversion Property for Theranostic Applications. *Journal of the American Chemical Society*, **2016**, 138, 7005-15	16.4	160
909	Positron emission tomography imaging using radiolabeled inorganic nanomaterials. *Accounts of Chemical Research*, **2015**, 48, 286-94	24.3	157
908	Nanotechnology-Enhanced No-Wash Biosensors for in Vitro Diagnostics of Cancer. *ACS Nano*, **2017**, 11, 5238-5292	16.7	156
907	Ultrasmall near-infrared non-cadmium quantum dots for in vivo tumor imaging. *Small*, **2010**, 6, 256-61	11	155
906	Near-infrared fluorescent deoxyglucose analogue for tumor optical imaging in cell culture and living mice. *Bioconjugate Chemistry*, **2006**, 17, 662-9	6.3	154
905	Chemotherapeutic drug-photothermal agent co-self-assembling nanoparticles for near-infrared fluorescence and photoacoustic dual-modal imaging-guided chemo-photothermal synergistic therapy. *Journal of Controlled Release*, **2017**, 258, 95-107	11.7	153
904	Biocompatible D-A Semiconducting Polymer Nanoparticle with Light-Harvesting Unit for Highly Effective Photoacoustic Imaging Guided Photothermal Therapy. *Advanced Functional Materials*, **2017**, 27, 1605094	15.6	152
903	NIR-light-induced surface-enhanced Raman scattering for detection and photothermal/photodynamic therapy of cancer cells using methylene blue-embedded gold nanorod@SiO2 nanocomposites. *Biomaterials*, **2014**, 35, 3309-18	15.6	152
902	Tumor-Specific Drug Release and Reactive Oxygen Species Generation for Cancer Chemo/Chemodynamic Combination Therapy. *Advanced Science*, **2019**, 6, 1801986	13.6	152
901	Aptamer-based targeted therapy. *Advanced Drug Delivery Reviews*, **2018**, 134, 65-78	18.5	151
900	Chelator-free (64)Cu-integrated gold nanomaterials for positron emission tomography imaging guided photothermal cancer therapy. *ACS Nano*, **2014**, 8, 8438-46	16.7	150
899	Are quantum dots ready for in vivo imaging in human subjects?. *Nanoscale Research Letters*, **2007**, 2, 265-281	3	148
898	An Ultrasound Activated Vesicle of Janus Au-MnO Nanoparticles for Promoted Tumor Penetration and Sono-Chemodynamic Therapy of Orthotopic Liver Cancer. *Angewandte Chemie - International Edition*, **2020**, 59, 1682-1688	16.4	147
897	Core-Satellite Polydopamine-Gadolinium-Metallofullerene Nanotheranostics for Multimodal Imaging Guided Combination Cancer Therapy. *Advanced Materials*, **2017**, 29, 1701013	24	146
896	Design and development of molecular imaging probes. *Current Topics in Medicinal Chemistry*, **2010**, 10, 1227-36	3	146
895	Organic Semiconducting Photoacoustic Nanodroplets for Laser-Activatable Ultrasound Imaging and Combinational Cancer Therapy. *ACS Nano*, **2018**, 12, 2610-2622	16.7	145
894	Gold nanoparticle-based activatable probe for sensing ultralow levels of prostate-specific antigen. *ACS Nano*, **2013**, 7, 5568-76	16.7	145

893	Glucose oxidase-catalyzed growth of gold nanoparticles enables quantitative detection of attomolar cancer biomarkers. *Analytical Chemistry*, **2014**, 86, 5800-6	7.8	144
892	Ceria nanocrystals decorated mesoporous silica nanoparticle based ROS-scavenging tissue adhesive for highly efficient regenerative wound healing. *Biomaterials*, **2018**, 151, 66-77	15.6	143
891	Nanotheranostics for personalized medicine. *Expert Review of Molecular Diagnostics*, **2013**, 13, 257-69	3.8	143
890	Tumor-homing photosensitizer-conjugated glycol chitosan nanoparticles for synchronous photodynamic imaging and therapy based on cellular on/off system. *Biomaterials*, **2011**, 32, 4021-9	15.6	142
889	Intertwining DNA-RNA nanocapsules loaded with tumor neoantigens as synergistic nanovaccines for cancer immunotherapy. *Nature Communications*, **2017**, 8, 1482	17.4	141
888	Integrin alpha v beta 3-targeted imaging of lung cancer. *Neoplasia*, **2005**, 7, 271-9	6.4	140
887	Engineering Macrophages for Cancer Immunotherapy and Drug Delivery. *Advanced Materials*, **2020**, 32, e2002054	24	140
886	In vivo volumetric photoacoustic molecular angiography and therapeutic monitoring with targeted plasmonic nanostars. *Small*, **2014**, 10, 1585-93, 1441	11	139
885	Polyrotaxane-based supramolecular theranostics. *Nature Communications*, **2018**, 9, 766	17.4	138
884	Folding Up of Gold Nanoparticle Strings into Plasmonic Vesicles for Enhanced Photoacoustic Imaging. *Angewandte Chemie - International Edition*, **2015**, 54, 15809-12	16.4	138
883	Multimodal-Imaging-Guided Cancer Phototherapy by Versatile Biomimetic Theranostics with UV and □rradiation Protection. *Advanced Materials*, **2016**, 28, 3273-9	24	138
882	An aptamer-targeting photoresponsive drug delivery system using "off-on" graphene oxide wrapped mesoporous silica nanoparticles. *Nanoscale*, **2015**, 7, 6304-10	7.7	137
881	Plasmonic Vesicles of Amphiphilic Nanocrystals: Optically Active Multifunctional Platform for Cancer Diagnosis and Therapy. *Accounts of Chemical Research*, **2015**, 48, 2506-15	24.3	137
880	Tumor Microenvironment-Responsive Ultrasmall Nanodrug Generators with Enhanced Tumor Delivery and Penetration. *Journal of the American Chemical Society*, **2018**, 140, 14980-14989	16.4	137
879	Polymeric nanoparticle-based activatable near-infrared nanosensor for protease determination in vivo. *Nano Letters*, **2009**, 9, 4412-6	11.5	135
878	Micro-PET imaging of alphavbeta3-integrin expression with 18F-labeled dimeric RGD peptide. *Molecular Imaging*, **2004**, 3, 96-104	3.7	135
877	Inhibiting Metastasis and Preventing Tumor Relapse by Triggering Host Immunity with Tumor-Targeted Photodynamic Therapy Using Photosensitizer-Loaded Functional Nanographenes. *ACS Nano*, **2017**, 11, 10147-10158	16.7	134
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