

Zhuang Liu

List of Publications by Citations

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449
papers

81,627
citations

149
h-index

278
g-index

467
ext. papers

91,632
ext. citations

12.7
avg, IF

8.46
L-index

#	Paper	IF	Citations
449	PEGylated nanographene oxide for delivery of water-insoluble cancer drugs. <i>Journal of the American Chemical Society</i> , 2008 , 130, 10876-7	16.4	3039
448	Nano-Graphene Oxide for Cellular Imaging and Drug Delivery. <i>Nano Research</i> , 2008 , 1, 203-212	10	2765
447	Graphene in mice: ultrahigh in vivo tumor uptake and efficient photothermal therapy. <i>Nano Letters</i> , 2010 , 10, 3318-23	11.5	1977
446	Functional nanomaterials for phototherapies of cancer. <i>Chemical Reviews</i> , 2014 , 114, 10869-939	68.1	1771
445	Upconversion nanophosphors for small-animal imaging. <i>Chemical Society Reviews</i> , 2012 , 41, 1323-49	58.5	1352
444	Carbon Nanotubes in Biology and Medicine: In vitro and in vivo Detection, Imaging and Drug Delivery. <i>Nano Research</i> , 2009 , 2, 85-120	10	1329
443	Nano-graphene in biomedicine: theranostic applications. <i>Chemical Society Reviews</i> , 2013 , 42, 530-47	58.5	1297
442	In vivo biodistribution and highly efficient tumour targeting of carbon nanotubes in mice. <i>Nature Nanotechnology</i> , 2007 , 2, 47-52	28.7	1270
441	Supramolecular chemistry on water-soluble carbon nanotubes for drug loading and delivery. <i>ACS Nano</i> , 2007 , 1, 50-6	16.7	1174
440	Drug delivery with carbon nanotubes for in vivo cancer treatment. <i>Cancer Research</i> , 2008 , 68, 6652-60	10.1	1084
439	Carbon nanotubes as photoacoustic molecular imaging agents in living mice. <i>Nature Nanotechnology</i> , 2008 , 3, 557-62	28.7	1065
438	Photothermal therapy with immune-adjuvant nanoparticles together with checkpoint blockade for effective cancer immunotherapy. <i>Nature Communications</i> , 2016 , 7, 13193	17.4	963
437	Circulation and long-term fate of functionalized, biocompatible single-walled carbon nanotubes in mice probed by Raman spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 1410-5	11.5	931
436	Drug delivery with PEGylated MoS ₂ nano-sheets for combined photothermal and chemotherapy of cancer. <i>Advanced Materials</i> , 2014 , 26, 3433-40	24	919
435	PEGylated WS(2) nanosheets as a multifunctional theranostic agent for in vivo dual-modal CT/photoacoustic imaging guided photothermal therapy. <i>Advanced Materials</i> , 2014 , 26, 1886-93	24	899
434	A route to brightly fluorescent carbon nanotubes for near-infrared imaging in mice. <i>Nature Nanotechnology</i> , 2009 , 4, 773-80	28.7	886
433	Photothermally enhanced photodynamic therapy delivered by nano-graphene oxide. <i>ACS Nano</i> , 2011 , 5, 7000-9	16.7	874

432	Multimodal imaging guided photothermal therapy using functionalized graphene nanosheets anchored with magnetic nanoparticles. <i>Advanced Materials</i> , 2012 , 24, 1868-72	24	785
431	Hollow MnO as a tumor-microenvironment-responsive biodegradable nano-platform for combination therapy favoring antitumor immune responses. <i>Nature Communications</i> , 2017 , 8, 902	17.4	781
430	FeCo/graphitic-shell nanocrystals as advanced magnetic-resonance-imaging and near-infrared agents. <i>Nature Materials</i> , 2006 , 5, 971-6	27	753
429	Carbon nanotubes as intracellular transporters for proteins and DNA: an investigation of the uptake mechanism and pathway. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 577-81	16.4	738
428	In vivo pharmacokinetics, long-term biodistribution, and toxicology of PEGylated graphene in mice. <i>ACS Nano</i> , 2011 , 5, 516-22	16.7	693
427	Intelligent Albumin-MnO ₂ Nanoparticles as pH-/H ₂ O ₂ -Responsive Dissociable Nanocarriers to Modulate Tumor Hypoxia for Effective Combination Therapy. <i>Advanced Materials</i> , 2016 , 28, 7129-36	24	690
426	Functionalization of carbon nanotubes via cleavable disulfide bonds for efficient intracellular delivery of siRNA and potent gene silencing. <i>Journal of the American Chemical Society</i> , 2005 , 127, 12492-3	16.4	689
425	Near-infrared light induced in vivo photodynamic therapy of cancer based on upconversion nanoparticles. <i>Biomaterials</i> , 2011 , 32, 6145-54	15.6	675
424	A pilot toxicology study of single-walled carbon nanotubes in a small sample of mice. <i>Nature Nanotechnology</i> , 2008 , 3, 216-21	28.7	646
423	Temperature sensing and in vivo imaging by molybdenum sensitized visible upconversion luminescence of rare-earth oxides. <i>Advanced Materials</i> , 2012 , 24, 1987-93	24	626
422	The influence of surface chemistry and size of nanoscale graphene oxide on photothermal therapy of cancer using ultra-low laser power. <i>Biomaterials</i> , 2012 , 33, 2206-14	15.6	625
421	In vitro and in vivo near-infrared photothermal therapy of cancer using polypyrrole organic nanoparticles. <i>Advanced Materials</i> , 2012 , 24, 5586-92	24	607
420	siRNA delivery into human T cells and primary cells with carbon-nanotube transporters. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2023-7	16.4	585
419	Targeted single-wall carbon nanotube-mediated Pt(IV) prodrug delivery using folate as a homing device. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11467-76	16.4	579
418	Graphene in biomedicine: opportunities and challenges. <i>Nanomedicine</i> , 2011 , 6, 317-24	5.6	572
417	Ultrathin WS ₂ nanoflakes as a high-performance electrocatalyst for the hydrogen evolution reaction. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 7860-3	16.4	561
416	Drug delivery with upconversion nanoparticles for multi-functional targeted cancer cell imaging and therapy. <i>Biomaterials</i> , 2011 , 32, 1110-20	15.6	548
415	Facile preparation of multifunctional upconversion nanoprobe for multimodal imaging and dual-targeted photothermal therapy. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7385-90	16.4	526

414	Innovative Strategies for Hypoxic-Tumor Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11522-11531	16.4	525
413	In vivo NIR fluorescence imaging, biodistribution, and toxicology of photoluminescent carbon dots produced from carbon nanotubes and graphite. <i>Small</i> , 2012 , 8, 281-90	11	507
412	A functionalized graphene oxide-iron oxide nanocomposite for magnetically targeted drug delivery, photothermal therapy, and magnetic resonance imaging. <i>Nano Research</i> , 2012 , 5, 199-212	10	494
411	PEG branched polymer for functionalization of nanomaterials with ultralong blood circulation. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4783-7	16.4	488
410	Graphene based gene transfection. <i>Nanoscale</i> , 2011 , 3, 1252-7	7.7	479
409	Near-Infrared-Triggered Photodynamic Therapy with Multitasking Upconversion Nanoparticles in Combination with Checkpoint Blockade for Immunotherapy of Colorectal Cancer. <i>ACS Nano</i> , 2017 , 11, 4463-4474	16.7	442
408	Supramolecular stacking of doxorubicin on carbon nanotubes for in vivo cancer therapy. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7668-72	16.4	424
407	Perfluorocarbon-Loaded Hollow Bi ₂ Se ₃ Nanoparticles for Timely Supply of Oxygen under Near-Infrared Light to Enhance the Radiotherapy of Cancer. <i>Advanced Materials</i> , 2016 , 28, 2716-23	24	416
406	Immunological responses triggered by photothermal therapy with carbon nanotubes in combination with anti-CTLA-4 therapy to inhibit cancer metastasis. <i>Advanced Materials</i> , 2014 , 26, 8154-624	24	413
405	Selective probing and imaging of cells with single walled carbon nanotubes as near-infrared fluorescent molecules. <i>Nano Letters</i> , 2008 , 8, 586-90	11.5	412
404	Iron oxide decorated MoS ₂ nanosheets with double PEGylation for chelator-free radiolabeling and multimodal imaging guided photothermal therapy. <i>ACS Nano</i> , 2015 , 9, 950-60	16.7	406
403	Iron oxide @ polypyrrole nanoparticles as a multifunctional drug carrier for remotely controlled cancer therapy with synergistic antitumor effect. <i>ACS Nano</i> , 2013 , 7, 6782-95	16.7	404
402	Ultrasound Triggered Tumor Oxygenation with Oxygen-Shuttle Nanoperfluorocarbon to Overcome Hypoxia-Associated Resistance in Cancer Therapies. <i>Nano Letters</i> , 2016 , 16, 6145-6153	11.5	400
401	In vitro and in vivo uncaging and bioluminescence imaging by using photocaged upconversion nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 3125-9	16.4	398
400	Ultrathin MoS ₂ (1-x)Se _{2x} Alloy Nanoflakes For Electrocatalytic Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2015 , 5, 2213-2219	13.1	396
399	Modulation of Hypoxia in Solid Tumor Microenvironment with MnO ₂ Nanoparticles to Enhance Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2016 , 26, 5490-5498	15.6	391
398	Noble metal coated single-walled carbon nanotubes for applications in surface enhanced Raman scattering imaging and photothermal therapy. <i>Journal of the American Chemical Society</i> , 2012 , 134, 7414-22	16.4	391
397	Single-band upconversion emission in lanthanide-doped KMnF ₃ nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10369-72	16.4	389

396	Tumor metastasis inhibition by imaging-guided photothermal therapy with single-walled carbon nanotubes. <i>Advanced Materials</i> , 2014 , 26, 5646-52	24	383
395	Organic stealth nanoparticles for highly effective in vivo near-infrared photothermal therapy of cancer. <i>ACS Nano</i> , 2012 , 6, 5605-13	16.7	371
394	Optimization of surface chemistry on single-walled carbon nanotubes for in vivo photothermal ablation of tumors. <i>Biomaterials</i> , 2011 , 32, 144-51	15.6	357
393	Preparation of carbon nanotube bioconjugates for biomedical applications. <i>Nature Protocols</i> , 2009 , 4, 1372-82	18.8	356
392	Behavior and toxicity of graphene and its functionalized derivatives in biological systems. <i>Small</i> , 2013 , 9, 1492-503	11	353
391	Graphene oxide-silver nanocomposite as a highly effective antibacterial agent with species-specific mechanisms. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 3867-74	9.5	348
390	An imagable and photothermal "Abraxane-like" nanodrug for combination cancer therapy to treat subcutaneous and metastatic breast tumors. <i>Advanced Materials</i> , 2015 , 27, 903-10	24	340
389	Emerging Nanotechnology and Advanced Materials for Cancer Radiation Therapy. <i>Advanced Materials</i> , 2017 , 29, 1700996	24	336
388	Polyethylene glycol and polyethylenimine dual-functionalized nano-graphene oxide for photothermally enhanced gene delivery. <i>Small</i> , 2013 , 9, 1989-97	11	336
387	Recent advances in the development of organic photothermal nano-agents. <i>Nano Research</i> , 2015 , 8, 340-354	15.4	334
386	HO-responsive liposomal nanoprobe for photoacoustic inflammation imaging and tumor theranostics via in vivo chromogenic assay. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 5343-5348	11.5	331
385	Ultrahigh sensitivity carbon nanotube agents for photoacoustic molecular imaging in living mice. <i>Nano Letters</i> , 2010 , 10, 2168-72	11.5	331
384	Multifunctional nanoparticles for upconversion luminescence/MR multimodal imaging and magnetically targeted photothermal therapy. <i>Biomaterials</i> , 2012 , 33, 2215-22	15.6	323
383	In situ formed reactive oxygen species-responsive scaffold with gemcitabine and checkpoint inhibitor for combination therapy. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	318
382	In vivo biodistribution and toxicology of functionalized nano-graphene oxide in mice after oral and intraperitoneal administration. <i>Biomaterials</i> , 2013 , 34, 2787-95	15.6	317
381	Erythrocyte-Membrane-Enveloped Perfluorocarbon as Nanoscale Artificial Red Blood Cells to Relieve Tumor Hypoxia and Enhance Cancer Radiotherapy. <i>Advanced Materials</i> , 2017 , 29, 1701429	24	315
380	Upconversion nanoparticles for photodynamic therapy and other cancer therapeutics. <i>Theranostics</i> , 2013 , 3, 317-30	12.1	307
379	Upconversion nanoparticles and their composite nanostructures for biomedical imaging and cancer therapy. <i>Nanoscale</i> , 2013 , 5, 23-37	7.7	303

378	Cancer Cell Membrane-Coated Adjuvant Nanoparticles with Mannose Modification for Effective Anticancer Vaccination. <i>ACS Nano</i> , 2018 , 12, 5121-5129	16.7	303
377	Nanoscale metal-organic frameworks for combined photodynamic & radiation therapy in cancer treatment. <i>Biomaterials</i> , 2016 , 97, 1-9	15.6	300
376	Protein microarrays with carbon nanotubes as multicolor Raman labels. <i>Nature Biotechnology</i> , 2008 , 26, 1285-92	44.5	297
375	Organic-Base-Driven Intercalation and Delamination for the Production of Functionalized Titanium Carbide Nanosheets with Superior Photothermal Therapeutic Performance. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14569-14574	16.4	295
374	Imaging-Guided pH-Sensitive Photodynamic Therapy Using Charge Reversible Upconversion Nanoparticles under Near-Infrared Light. <i>Advanced Functional Materials</i> , 2013 , 23, 3077-3086	15.6	294
373	Synthesis of Hollow Biomineralized CaCO ₃ -Polydopamine Nanoparticles for Multimodal Imaging-Guided Cancer Photodynamic Therapy with Reduced Skin Photosensitivity. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2165-2178	16.4	290
372	Stimuli responsive drug delivery systems based on nano-graphene for cancer therapy. <i>Advanced Drug Delivery Reviews</i> , 2016 , 105, 228-241	18.5	290
371	Core-Shell MnSe@Bi ₂ Se ₃ Fabricated via a Cation Exchange Method as Novel Nanotheranostics for Multimodal Imaging and Synergistic Thermoradiotherapy. <i>Advanced Materials</i> , 2015 , 27, 6110-7	24	289
370	Emerging nanomedicine approaches fighting tumor metastasis: animal models, metastasis-targeted drug delivery, phototherapy, and immunotherapy. <i>Chemical Society Reviews</i> , 2016 , 45, 6250-6269	58.5	286
369	Catalase-Loaded TaO _x Nanoshells as Bio-Nanoreactors Combining High-Z Element and Enzyme Delivery for Enhancing Radiotherapy. <i>Advanced Materials</i> , 2016 , 28, 7143-8	24	283
368	Graphene-based magnetic plasmonic nanocomposite for dual bioimaging and photothermal therapy. <i>Biomaterials</i> , 2013 , 34, 4786-93	15.6	282
367	Theranostic Liposomes with Hypoxia-Activated Prodrug to Effectively Destruct Hypoxic Tumors Post-Photodynamic Therapy. <i>ACS Nano</i> , 2017 , 11, 927-937	16.7	281
366	In vivo targeting and imaging of tumor vasculature with radiolabeled, antibody-conjugated nanographene. <i>ACS Nano</i> , 2012 , 6, 2361-70	16.7	279
365	Combined photothermal and photodynamic therapy delivered by PEGylated MoS ₂ nanosheets. <i>Nanoscale</i> , 2014 , 6, 11219-25	7.7	277
364	In vitro and in vivo behaviors of dextran functionalized graphene. <i>Carbon</i> , 2011 , 49, 4040-4049	10.4	273
363	Drug-Induced Self-Assembly of Modified Albumins as Nano-theranostics for Tumor-Targeted Combination Therapy. <i>ACS Nano</i> , 2015 , 9, 5223-33	16.7	269
362	Nanoparticle-Enhanced Radiotherapy to Trigger Robust Cancer Immunotherapy. <i>Advanced Materials</i> , 2019 , 31, e1802228	24	265
361	Protein modified upconversion nanoparticles for imaging-guided combined photothermal and photodynamic therapy. <i>Biomaterials</i> , 2014 , 35, 2915-23	15.6	265

360	Highly-sensitive multiplexed in vivo imaging using pegylated upconversion nanoparticles. <i>Nano Research</i> , 2010 , 3, 722-732	10	261
359	1D Coordination Polymer Nanofibers for Low-Temperature Photothermal Therapy. <i>Advanced Materials</i> , 2017 , 29, 1703588	24	257
358	Precise nanomedicine for intelligent therapy of cancer. <i>Science China Chemistry</i> , 2018 , 61, 1503-1552	7.9	256
357	Carbon nanotubes for biomedical imaging: the recent advances. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 1951-63	18.5	253
356	Poly(N-isopropylacrylamide)-Clay Nanocomposite Hydrogels with Responsive Bending Property as Temperature-Controlled Manipulators. <i>Advanced Functional Materials</i> , 2015 , 25, 2980-2991	15.6	251
355	Polymer encapsulated upconversion nanoparticle/iron oxide nanocomposites for multimodal imaging and magnetic targeted drug delivery. <i>Biomaterials</i> , 2011 , 32, 9364-73	15.6	251
354	Combined local immunostimulatory radioisotope therapy and systemic immune checkpoint blockade imparts potent antitumour responses. <i>Nature Biomedical Engineering</i> , 2018 , 2, 611-621	19	250
353	Smart Nanoreactors for pH-Responsive Tumor Homing, Mitochondria-Targeting, and Enhanced Photodynamic-Immunotherapy of Cancer. <i>Nano Letters</i> , 2018 , 18, 2475-2484	11.5	245
352	Nanoscale Metal-Organic Particles with Rapid Clearance for Magnetic Resonance Imaging-Guided Photothermal Therapy. <i>ACS Nano</i> , 2016 , 10, 2774-81	16.7	244
351	Preparation and functionalization of graphene nanocomposites for biomedical applications. <i>Nature Protocols</i> , 2013 , 8, 2392-403	18.8	242
350	Stimuli-responsive smart gating membranes. <i>Chemical Society Reviews</i> , 2016 , 45, 460-75	58.5	236
349	Multiplexed multicolor Raman imaging of live cells with isotopically modified single walled carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 13540-1	16.4	233
348	Ultrasmall Oxygen-Deficient Bimetallic Oxide MnWO Nanoparticles for Depletion of Endogenous GSH and Enhanced Sonodynamic Cancer Therapy. <i>Advanced Materials</i> , 2019 , 31, e1900730	24	232
347	Amplifying the red-emission of upconverting nanoparticles for biocompatible clinically used prodrug-induced photodynamic therapy. <i>ACS Nano</i> , 2014 , 8, 10621-30	16.7	230
346	Bottom-Up Synthesis of Metal-Ion-Doped WS ₂ Nanoflakes for Cancer Theranostics. <i>ACS Nano</i> , 2015 , 9, 11090-101	16.7	226
345	Ultra-Small Iron Oxide Doped Polypyrrole Nanoparticles for In Vivo Multimodal Imaging Guided Photothermal Therapy. <i>Advanced Functional Materials</i> , 2014 , 24, 1194-1201	15.6	226
344	Two-dimensional magnetic WS ₂ @Fe ₃ O ₄ nanocomposite with mesoporous silica coating for drug delivery and imaging-guided therapy of cancer. <i>Biomaterials</i> , 2015 , 60, 62-71	15.6	226
343	Amplification of Tumor Oxidative Stresses with Liposomal Fenton Catalyst and Glutathione Inhibitor for Enhanced Cancer Chemotherapy and Radiotherapy. <i>Nano Letters</i> , 2019 , 19, 805-815	11.5	217

342	Engineering of Multifunctional Nano-Micelles for Combined Photothermal and Photodynamic Therapy Under the Guidance of Multimodal Imaging. <i>Advanced Functional Materials</i> , 2014 , 24, 6492-6502	15.6	216
341	Hyaluronidase To Enhance Nanoparticle-Based Photodynamic Tumor Therapy. <i>Nano Letters</i> , 2016 , 16, 2512-21	11.5	216
340	Degradable Molybdenum Oxide Nanosheets with Rapid Clearance and Efficient Tumor Homing Capabilities as a Therapeutic Nanoplatform. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2122-6	16.4	212
339	PEGylated Micelle Nanoparticles Encapsulating a Non-Fluorescent Near-Infrared Organic Dye as a Safe and Highly-Effective Photothermal Agent for In Vivo Cancer Therapy. <i>Advanced Functional Materials</i> , 2013 , 23, 5893-5902	15.6	212
338	Photosensitizer-Conjugated Albumin-Polypyrrole Nanoparticles for Imaging-Guided In Vivo Photodynamic/Photothermal Therapy. <i>Small</i> , 2015 , 11, 3932-41	11	209
337	Family of enhanced photoacoustic imaging agents for high-sensitivity and multiplexing studies in living mice. <i>ACS Nano</i> , 2012 , 6, 4694-701	16.7	207
336	Biodistribution, pharmacokinetics and toxicology of Ag2S near-infrared quantum dots in mice. <i>Biomaterials</i> , 2013 , 34, 3639-46	15.6	205
335	Mesoporous Silica Coated Single-Walled Carbon Nanotubes as a Multifunctional Light-Responsive Platform for Cancer Combination Therapy. <i>Advanced Functional Materials</i> , 2015 , 25, 384-392	15.6	202
334	A Self-Assembled Albumin-Based Nanoprobe for In Vivo Ratiometric Photoacoustic pH Imaging. <i>Advanced Materials</i> , 2015 , 27, 6820-7	24	198
333	Polydopamine Nanoparticles as a Versatile Molecular Loading Platform to Enable Imaging-guided Cancer Combination Therapy. <i>Theranostics</i> , 2016 , 6, 1031-42	12.1	196
332	FeSe-Decorated BiSe Nanosheets Fabricated via Cation Exchange for Chelator-Free Cu-labeling and Multimodal Image-Guided Photothermal-Radiation Therapy. <i>Advanced Functional Materials</i> , 2016 , 26, 2185-2197	15.6	193
331	2D Nanomaterials for Cancer Theranostic Applications. <i>Advanced Materials</i> , 2020 , 32, e1902333	24	193
330	Conjugated polymers for photothermal therapy of cancer. <i>Polymer Chemistry</i> , 2014 , 5, 1573-1580	4.9	191
329	Imaging-Guided Combined Photothermal and Radiotherapy to Treat Subcutaneous and Metastatic Tumors Using Iodine-131-Doped Copper Sulfide Nanoparticles. <i>Advanced Functional Materials</i> , 2015 , 25, 4689-4699	15.6	184
328	GSH-Depleted PtCu ₃ Nanocages for Chemodynamic- Enhanced Sonodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , 2020 , 30, 1907954	15.6	184
327	Multifunctional theranostic red blood cells for magnetic-field-enhanced in vivo combination therapy of cancer. <i>Advanced Materials</i> , 2014 , 26, 4794-802	24	183
326	PEGylated Prussian blue nanocubes as a theranostic agent for simultaneous cancer imaging and photothermal therapy. <i>Biomaterials</i> , 2014 , 35, 9844-9852	15.6	176
325	Near-infrared dye bound albumin with separated imaging and therapy wavelength channels for imaging-guided photothermal therapy. <i>Biomaterials</i> , 2014 , 35, 8206-14	15.6	176

324	Polydopamine as a Biocompatible Multifunctional Nanocarrier for Combined Radioisotope Therapy and Chemotherapy of Cancer. <i>Advanced Functional Materials</i> , 2015 , 25, 7327-7336	15.6	175
323	Surface coating-dependent cytotoxicity and degradation of graphene derivatives: towards the design of non-toxic, degradable nano-graphene. <i>Small</i> , 2014 , 10, 1544-54	11	174
322	Functionalized graphene oxide in enzyme engineering: a selective modulator for enzyme activity and thermostability. <i>ACS Nano</i> , 2012 , 6, 4864-75	16.7	173
321	Albumin Carriers for Cancer Theranostics: A Conventional Platform with New Promise. <i>Advanced Materials</i> , 2016 , 28, 10557-10566	24	173
320	Shape matters: intravital microscopy reveals surprising geometrical dependence for nanoparticles in tumor models of extravasation. <i>Nano Letters</i> , 2012 , 12, 3369-77	11.5	172
319	In vivo pharmacokinetics, long-term biodistribution and toxicology study of functionalized upconversion nanoparticles in mice. <i>Nanomedicine</i> , 2011 , 6, 1327-40	5.6	170
318	Nanomedicine for tumor microenvironment modulation and cancer treatment enhancement. <i>Nano Today</i> , 2018 , 21, 55-73	17.9	169
317	An albumin-based theranostic nano-agent for dual-modal imaging guided photothermal therapy to inhibit lymphatic metastasis of cancer post surgery. <i>Biomaterials</i> , 2014 , 35, 9355-62	15.6	168
316	Two-dimensional TiSi ₂ nanosheets for in vivo photoacoustic imaging and photothermal cancer therapy. <i>Nanoscale</i> , 2015 , 7, 6380-7	7.7	165
315	CaCO ₃ nanoparticles as an ultra-sensitive tumor-pH-responsive nanoplatform enabling real-time drug release monitoring and cancer combination therapy. <i>Biomaterials</i> , 2016 , 110, 60-70	15.6	165
314	PEG-functionalized iron oxide nanoclusters loaded with chlorin e6 for targeted, NIR light induced, photodynamic therapy. <i>Biomaterials</i> , 2013 , 34, 9160-70	15.6	163
313	Multicolor In Vivo Imaging of Upconversion Nanoparticles with Emissions Tuned by Luminescence Resonance Energy Transfer. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 2686-2692	3.8	161
312	Antigen-Loaded Upconversion Nanoparticles for Dendritic Cell Stimulation, Tracking, and Vaccination in Dendritic Cell-Based Immunotherapy. <i>ACS Nano</i> , 2015 , 9, 6401-11	16.7	160
311	A Hypoxia-Responsive Albumin-Based Nanosystem for Deep Tumor Penetration and Excellent Therapeutic Efficacy. <i>Advanced Materials</i> , 2019 , 31, e1901513	24	159
310	Radionuclide (¹³¹ I) labeled reduced graphene oxide for nuclear imaging guided combined radio- and photothermal therapy of cancer. <i>Biomaterials</i> , 2015 , 66, 21-8	15.6	158
309	Self-Supplied Tumor Oxygenation through Separated Liposomal Delivery of HO and Catalase for Enhanced Radio-Immunotherapy of Cancer. <i>Nano Letters</i> , 2018 , 18, 6360-6368	11.5	158
308	Light-Triggered In Situ Gelation to Enable Robust Photodynamic-Immunotherapy by Repeated Stimulations. <i>Advanced Materials</i> , 2019 , 31, e1900927	24	157
307	Nanoscale-Coordination-Polymer-Shelled Manganese Dioxide Composite Nanoparticles: A Multistage Redox/pH/H ₂ O ₂ -Responsive Cancer Theranostic Nanoplatform. <i>Advanced Functional Materials</i> , 2017 , 27, 1605926	15.6	156

306	TaOx decorated perfluorocarbon nanodroplets as oxygen reservoirs to overcome tumor hypoxia and enhance cancer radiotherapy. <i>Biomaterials</i> , 2017 , 112, 257-263	15.6	156
305	Reduced Graphene Oxide-Containing Smart Hydrogels with Excellent Electro-Response and Mechanical Properties for Soft Actuators. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15758-15767	9.5	154
304	Graphene-based nanocomposite as an effective, multifunctional, and recyclable antibacterial agent. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8542-8	9.5	153
303	Catalase-loaded cisplatin-prodrug-constructed liposomes to overcome tumor hypoxia for enhanced chemo-radiotherapy of cancer. <i>Biomaterials</i> , 2017 , 138, 13-21	15.6	152
302	Ultrafine Titanium Monoxide (TiO) Nanorods for Enhanced Sonodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6527-6537	16.4	151
301	Glucose & oxygen exhausting liposomes for combined cancer starvation and hypoxia-activated therapy. <i>Biomaterials</i> , 2018 , 162, 123-131	15.6	151
300	Near-Infrared Light-Responsive Poly(N-isopropylacrylamide)/Graphene Oxide Nanocomposite Hydrogels with Ultrahigh Tensibility. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 27289-98	9.5	148
299	Multifunctional Two-Dimensional Core-Shell MXene@Gold Nanocomposites for Enhanced Photo-Radio Combined Therapy in the Second Biological Window. <i>ACS Nano</i> , 2019 , 13, 284-294	16.7	148
298	In Vivo Long-Term Biodistribution, Excretion, and Toxicology of PEGylated Transition-Metal Dichalcogenides MS (M = Mo, W, Ti) Nanosheets. <i>Advanced Science</i> , 2017 , 4, 1600160	13.6	147
297	Albumin-NIR dye self-assembled nanoparticles for photoacoustic pH imaging and pH-responsive photothermal therapy effective for large tumors. <i>Biomaterials</i> , 2016 , 98, 23-30	15.6	147
296	The acidic tumor microenvironment: a target for smart cancer nano-theranostics. <i>National Science Review</i> , 2018 , 5, 269-286	10.8	144
295	Recent progress of chemodynamic therapy-induced combination cancer therapy. <i>Nano Today</i> , 2020 , 35, 100946	17.9	140
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188	Albumin-Templated Manganese Dioxide Nanoparticles for Enhanced Radioisotope Therapy. <i>Small</i> , 2017 , 13, 1700640	11	59
187	Near-infrared light-activated cancer cell targeting and drug delivery with aptamer-modified nanostructures. <i>Nano Research</i> , 2016 , 9, 139-148	10	59
186	Dual-aptamer modification generates a unique interface for highly sensitive and specific electrochemical detection of tumor cells. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7309-15	9.5	59
185	Aptamer-conjugated upconversion nanoprobe assisted by magnetic separation for effective isolation and sensitive detection of circulating tumor cells. <i>Nano Research</i> , 2014 , 7, 1327-1336	10	59
184	Gating membranes for water treatment: detection and removal of trace Pb ²⁺ ions based on molecular recognition and polymer phase transition. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9659	13	59
183	One-pot synthesis of pH-responsive charge-switchable PEGylated nanoscale coordination polymers for improved cancer therapy. <i>Biomaterials</i> , 2018 , 156, 121-133	15.6	59
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172	Calming Cytokine Storm in Pneumonia by Targeted Delivery of TPCA-1 Using Platelet-Derived Extracellular Vesicles. <i>Matter</i> , 2020 , 3, 287-301	12.7	53
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169	K(+)-recognition capsules with squirting release mechanisms. <i>Chemical Communications</i> , 2011 , 47, 12283-5	5.8	49
168	Albumin-Assisted Synthesis of Ultrasmall FeS Nanodots for Imaging-Guided Photothermal Enhanced Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 332-340	9.5	49
167	Drug-Loaded Mesoporous Tantalum Oxide Nanoparticles for Enhanced Synergetic Chemoradiotherapy with Reduced Systemic Toxicity. <i>Small</i> , 2017 , 13, 1602869	11	48
166	pH-Sensitive Dissociable Nanoscale Coordination Polymers with Drug Loading for Synergistically Enhanced Chemoradiotherapy. <i>Advanced Functional Materials</i> , 2017 , 27, 1703832	15.6	48
165	Microfluidic fabrication of chitosan microfibers with controllable internals from tubular to peapod-like structures. <i>RSC Advances</i> , 2015 , 5, 928-936	3.7	46
164	Rhenium-188 Labeled Tungsten Disulfide Nanoflakes for Self-Sensitized, Near-Infrared Enhanced Radioisotope Therapy. <i>Small</i> , 2016 , 12, 3967-75	11	45
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161	Cerenkov Luminescence-Induced NO Release from 32P-Labeled ZnFe(CN) ₅ NO Nanosheets to Enhance Radioisotope-Immunotherapy. <i>Matter</i> , 2019 , 1, 1061-1076	12.7	43
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159	Nanoscale Coordination Polymer Based Nanovaccine for Tumor Immunotherapy. <i>ACS Nano</i> , 2019 , 13, 13127-13135	16.7	43
158	Bioinspired tumor-homing nanosystem for precise cancer therapy via reprogramming of tumor-associated macrophages. <i>NPG Asia Materials</i> , 2018 , 10, 1002-1015	10.3	43
157	Fabrication of glass-based microfluidic devices with dry film photoresists as pattern transfer masks for wet etching. <i>RSC Advances</i> , 2015 , 5, 5638-5646	3.7	42
156	Nanoscale metal-organic frameworks and coordination polymers as theranostic platforms for cancer treatment. <i>Coordination Chemistry Reviews</i> , 2019 , 398, 113009	23.2	42
155	Core-shell and co-doped nanoscale metal-organic particles (NMOPs) obtained via post-synthesis cation exchange for multimodal imaging and synergistic thermo-radiotherapy. <i>NPG Asia Materials</i> , 2017 , 9, e344-e344	10.3	41
154	Photosensitizer Decorated Red Blood Cells as an Ultrasensitive Light-Responsive Drug Delivery System. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5855-5863	9.5	41
153	Novel Biocompatible Thermoresponsive Poly(N-vinyl Caprolactam)/Clay Nanocomposite Hydrogels with Macroporous Structure and Improved Mechanical Characteristics. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21979-21990	9.5	41
152	Microfluidic generation of hollow Ca-alginate microfibers. <i>Lab on A Chip</i> , 2016 , 16, 2673-81	7.2	41
151	Size-controllable self-assembly of metal nanoparticles on carbon nanostructures in room-temperature ionic liquids by simple sputtering deposition. <i>Carbon</i> , 2012 , 50, 3008-3014	10.4	41
150	Designable Polymeric Microparticles from Droplet Microfluidics for Controlled Drug Release. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800687	6.8	41
149	Photosensitizer-Modified MnO Nanoparticles to Enhance Photodynamic Treatment of Abscesses and Boost Immune Protection for Treated Mice. <i>Small</i> , 2020 , 16, e2000589	11	40
148	Accelerated Blood Clearance Phenomenon Reduces the Passive Targeting of PEGylated Nanoparticles in Peripheral Arterial Disease. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 17955-63	9.5	40
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146	Facile preparation of uniform FeSe ₂ nanoparticles for PA/MR dual-modal imaging and photothermal cancer therapy. <i>Nanoscale</i> , 2015 , 7, 20757-68	7.7	39
145	Surface-Engineering of Red Blood Cells as Artificial Antigen Presenting Cells Promising for Cancer Immunotherapy. <i>Small</i> , 2017 , 13, 1701864	11	39

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