

Jianhua Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5199168/publications.pdf>

Version: 2024-02-01

84
papers

7,842
citations

70961

41
h-index

64668

79
g-index

87
all docs

87
docs citations

87
times ranked

9528
citing authors

#	ARTICLE	IF	CITATIONS
1	Dopamine-Melanin Colloidal Nanospheres: An Efficient Near-Infrared Photothermal Therapeutic Agent for In Vivo Cancer Therapy. <i>Advanced Materials</i> , 2013, 25, 1353-1359.	11.1	1,688
2	Enhanced Cisplatin Chemotherapy by Iron Oxide Nanocarrier-Mediated Generation of Highly Toxic Reactive Oxygen Species. <i>Nano Letters</i> , 2017, 17, 928-937.	4.5	548
3	All-in-One Theranostic Nanoagent with Enhanced Reactive Oxygen Species Generation and Modulating Tumor Microenvironment Ability for Effective Tumor Eradication. <i>ACS Nano</i> , 2018, 12, 4886-4893.	7.3	510
4	In Vivo Multimodality Imaging and Cancer Therapy by Near-Infrared Light-Triggered <i>trans</i> -Platinum Pro-Drug-Conjugated Upconversion Nanoparticles. <i>Journal of the American Chemical Society</i> , 2013, 135, 18920-18929.	6.6	508
5	A High-Performance Ytterbium-Based Nanoparticulate Contrast Agent for In Vivo X-Ray Computed Tomography Imaging. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1437-1442.	7.2	317
6	One-Dimensional Fe ₂ P Acts as a Fenton Agent in Response to NIR Light and Ultrasound for Deep Tumor Synergetic Theranostics. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2407-2412.	7.2	315
7	Large-Scale Synthesis of Bi ₂ S ₃ Nanodots as a Contrast Agent for In Vivo X-ray Computed Tomography Imaging. <i>Advanced Materials</i> , 2011, 23, 4886-4891.	11.1	308
8	Polydopamine-based coordination nanocomplex for T1/T2 dual mode magnetic resonance imaging-guided chemo-photothermal synergistic therapy. <i>Biomaterials</i> , 2016, 77, 198-206.	5.7	187
9	Copper(I) Phosphide Nanocrystals for In Situ Self-Generation Magnetic Resonance Imaging-Guided Photothermal-Enhanced Chemodynamic Synergetic Therapy Resisting Deep-Seated Tumor. <i>Advanced Functional Materials</i> , 2019, 29, 1904678.	7.8	185
10	Long-circulating Er ³⁺ -doped Yb ₂ O ₃ up-conversion nanoparticle as an in vivo X-Ray CT imaging contrast agent. <i>Biomaterials</i> , 2012, 33, 6748-6757.	5.7	171
11	Multifunctional envelope-type mesoporous silica nanoparticles for pH-responsive drug delivery and magnetic resonance imaging. <i>Biomaterials</i> , 2015, 60, 111-120.	5.7	171
12	Ultra-small BaGdF ₅ -based upconversion nanoparticles as drug carriers and multimodal imaging probes. <i>Biomaterials</i> , 2014, 35, 2011-2023.	5.7	158
13	Reactive oxygen species-based nanomaterials for the treatment of myocardial ischemia reperfusion injuries. <i>Bioactive Materials</i> , 2022, 7, 47-72.	8.6	136
14	ZnO-Functionalized Upconverting Nanotheranostic Agent: Multi-Modality Imaging-Guided Chemotherapy with On-Demand Drug Release Triggered by pH. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 536-540.	7.2	131
15	Polydopamine coated manganese oxide nanoparticles with ultrahigh relaxivity as nanotheranostic agents for magnetic resonance imaging guided synergetic chemo-/photothermal therapy. <i>Chemical Science</i> , 2016, 7, 6695-6700.	3.7	116
16	Recent advancement of imidazolate framework (ZIF-8) based nanoformulations for synergistic tumor therapy. <i>Nanoscale</i> , 2019, 11, 21030-21045.	2.8	109
17	An efficient nano-based theranostic system for multi-modal imaging-guided photothermal sterilization in gastrointestinal tract. <i>Biomaterials</i> , 2015, 56, 206-218.	5.7	98
18	Cu ₂ MoS ₄ /Au Heterostructures with Enhanced Catalase-Like Activity and Photoconversion Efficiency for Primary/Metastatic Tumors Eradication by Phototherapy-Induced Immunotherapy. <i>Small</i> , 2020, 16, e1907146.	5.2	96

#	ARTICLE	IF	CITATIONS
19	Tantalum Sulfide Nanosheets as a Theranostic Nanoplatfor for Computed Tomography Imaging-Guided Combinatorial Chemo-Photothermal Therapy. <i>Advanced Functional Materials</i> , 2017, 27, 1703261.	7.8	89
20	Hybrid BaYbF ₅ Nanoparticles: Novel Binary Contrast Agent for High-Resolution in Vivo X-ray Computed Tomography Angiography. <i>Advanced Healthcare Materials</i> , 2012, 1, 461-466.	3.9	87
21	Improved Stability and Photothermal Performance of Polydopamine-Modified Fe ₃ O ₄ Nanocomposites for Highly Efficient Magnetic Resonance Imaging-Guided Photothermal Therapy. <i>Small</i> , 2020, 16, e2003969.	5.2	87
22	In vivo near-infrared photothermal therapy and computed tomography imaging of cancer cells using novel tungsten-based theranostic probe. <i>Nanoscale</i> , 2014, 6, 5770.	2.8	76
23	Aqueous phase synthesis of upconversion nanocrystals through layer-by-layer epitaxial growth for in vivo X-ray computed tomography. <i>Nanoscale</i> , 2013, 5, 6950.	2.8	71
24	Direct visualization of gastrointestinal tract with lanthanide-doped BaYbF ₅ upconversion nanoprob. <i>Biomaterials</i> , 2013, 34, 7444-7452.	5.7	70
25	Multifunctional core/satellite polydopamine@Nd ³⁺ -sensitized upconversion nanocomposite: A single 808 nm near-infrared light-triggered theranostic platform for in vivo imaging-guided photothermal therapy. <i>Nano Research</i> , 2017, 10, 3434-3446.	5.8	69
26	Double Switch Biodegradable Porous Hollow Trinickel Monophosphide Nanospheres for Multimodal Imaging Guided Photothermal Therapy. <i>Nano Letters</i> , 2019, 19, 5093-5101.	4.5	64
27	A C ₅ N ₂ Nanoparticle Based Direct Nucleus Delivery Platform for Synergistic Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6290-6294.	7.2	63
28	Dual modal in vivo imaging using upconversion luminescence and enhanced computed tomography properties. <i>Nanoscale</i> , 2011, 3, 4365.	2.8	59
29	Multifunctional hollow CaF ₂ :Yb ³⁺ /Er ³⁺ /Mn ²⁺ -poly(2-Aminoethyl methacrylate) microspheres for Pt(IV) pro-drug delivery and tri-modal imaging. <i>Biomaterials</i> , 2015, 50, 154-163.	5.7	58
30	An ultrasml and metabolizable PEGylated NaGdF ₄ :Dy nanoprobe for high-performance T ₁ /T ₂ -weighted MR and CT multimodal imaging. <i>Nanoscale</i> , 2015, 7, 15680-15688.	2.8	58
31	Synergistic Tailoring of Electrostatic and Hydrophobic Interactions for Rapid and Specific Recognition of Lysophosphatidic Acid, an Early-Stage Ovarian Cancer Biomarker. <i>Journal of the American Chemical Society</i> , 2017, 139, 11616-11621.	6.6	58
32	A nanotheranostic agent based on Nd ³⁺ -doped YVO ₄ with blood-brain-barrier permeability for NIR-II fluorescence imaging/magnetic resonance imaging and boosted sonodynamic therapy of orthotopic glioma. <i>Light: Science and Applications</i> , 2022, 11, 116.	7.7	56
33	Anti-Biofouling Polymer-Decorated Lutetium-Based Nanoparticulate Contrast Agents for In Vivo High-Resolution Trimodal Imaging. <i>Small</i> , 2014, 10, 2429-2438.	5.2	52
34	Facile Preparation of Double Rare Earth-Doped Carbon Dots for MRI/CT/FI Multimodal Imaging. <i>ACS Applied Nano Materials</i> , 2018, 1, 2544-2551.	2.4	50
35	Boosting Chemodynamic Therapy by the Synergistic Effect of Co-Catalyze and Photothermal Effect Triggered by the Second Near-Infrared Light. <i>Nano-Micro Letters</i> , 2020, 12, 180.	14.4	49
36	Ultrasml biomolecule-anchored hybrid GdVO ₄ nanophosphors as a metabolizable multimodal bioimaging contrast agent. <i>Nanoscale</i> , 2014, 6, 12042-12049.	2.8	48

#	ARTICLE	IF	CITATIONS
37	MnO ₂ -Functionalized Co ^{II} P Nanocomposite: A New Theranostic Agent for pH-Triggered T ₁ /T ₂ Dual-Modality Magnetic Resonance Imaging-Guided Chemo-photothermal Synergistic Therapy. ACS Applied Materials & Interfaces, 2017, 9, 41648-41658.	4.0	47
38	Biocompatible and high-performance amino acids-capped MnWO ₄ nanocasting as a novel non-lanthanide contrast agent for X-ray computed tomography and T1-weighted magnetic resonance imaging. Nanoscale, 2014, 6, 2211.	2.8	45
39	Efficient Gene Delivery and Multimodal Imaging by Lanthanide-Based Upconversion Nanoparticles. Langmuir, 2014, 30, 13042-13051.	1.6	44
40	One-Dimensional Fe ₂ P Acts as a Fenton Agent in Response to NIR-II Light and Ultrasound for Deep Tumor Synergetic Theranostics. Angewandte Chemie, 2019, 131, 2429-2434.	1.6	44
41	PEGylated hybrid ytterbia nanoparticles as high-performance diagnostic probes for in vivo magnetic resonance and X-ray computed tomography imaging with low systemic toxicity. Nanoscale, 2013, 5, 4252.	2.8	43
42	Recent advances in ytterbium-based contrast agents for <i>in vivo</i> X-ray computed tomography imaging: promises and prospects. Contrast Media and Molecular Imaging, 2014, 9, 26-36.	0.4	42
43	Positively charged graphene/Fe ₃ O ₄ /polyethylenimine with enhanced drug loading and cellular uptake for magnetic resonance imaging and magnet-responsive cancer therapy. Nano Research, 2017, 10, 2280-2295.	5.8	39
44	A versatile Pt-Ce ₆ nanoplatform as catalase nanozyme and NIR-II photothermal agent for enhanced PDT/PTT tumor therapy. Science China Materials, 2021, 64, 510-530.	3.5	37
45	Tumor microenvironment-responsive polydopamine-based core/shell nanoplatform for synergetic theranostics. Journal of Materials Chemistry B, 2020, 8, 4056-4066.	2.9	33
46	Non-toxic lead sulfide nanodots as efficient contrast agents for visualizing gastrointestinal tract. Biomaterials, 2016, 100, 17-26.	5.7	32
47	A New Co ^{II} P Nanocomposite with Ultrahigh Relaxivity for In Vivo Magnetic Resonance Imaging-Guided Tumor Eradication by Chemo/Photothermal Synergistic Therapy. Small, 2018, 14, 1702431.	5.2	29
48	NIR-to-NIR UCL/ T ₁ -weighted MR/CT multimodal imaging by NaYbF ₄ :Tm@NaGdF ₄ :Yb-PVP upconversion nanoparticles. Science Bulletin, 2017, 62, 903-912.	4.3	26
49	Sub-10 nm Sr ₂ LuF ₇ :Yb/Er@Sr ₂ GdF ₇ @Sr ₂ Up-Conversion Nanocrystals for Up-Conversion Luminescence-Magnetic Resonance-Computed Tomography Trimodal Bioimaging. ACS Applied Materials & Interfaces, 2017, 9, 5748-5756.	4.0	25
50	Facile and large-scale synthesis of Gd(OH) ₃ nanorods for MR imaging with low toxicity. New Journal of Chemistry, 2012, 36, 1335.	1.4	24
51	CO ₂ -based amphiphilic polycarbonate micelles enable a reliable and efficient platform for tumor imaging. Theranostics, 2017, 7, 4689-4698.	4.6	23
52	Primary Pericardial Mesothelioma: A Rare Entity. Case Reports in Oncological Medicine, 2013, 2013, 1-4.	0.2	21
53	Core-shell BaYbF ₅ :Tm@BaGdF ₅ :Yb,Tm nanocrystals for in vivo trimodal UCL/CT/MR imaging. RSC Advances, 2016, 6, 14283-14289.	1.7	21
54	Highly Sensitive Polydiacetylene Ensembles for Biosensing and Bioimaging. Frontiers in Chemistry, 2020, 8, 565782.	1.8	19

#	ARTICLE	IF	CITATIONS
55	Polypyrrole-based double rare earth hybrid nanoparticles for multimodal imaging and photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 426-437.	2.9	18
56	Untrasmall Bi ₂ S ₃ nanodots for in vivo X-ray CT imaging-guided photothermal therapy of cancer. <i>RSC Advances</i> , 2017, 7, 29672-29678.	1.7	17
57	Polymer Nanoplatforms at Work in Prostate Cancer Therapy. <i>Advanced Therapeutics</i> , 2019, 2, 1800122.	1.6	16
58	Mitochondria-Targeting Enhanced Phototherapy by Intrinsic Characteristics Engineered "One-for-All" Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 35568-35578.	4.0	16
59	Novel FeF ₂ /Fe ¹⁺ S Nanoreactor-Mediated Mitochondrial Dysfunction via Oxidative Stress and Fluoride Ions Overloaded for Synergistic Chemodynamic Therapy and Photothermal Therapy. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	16
60	Water-Soluble, Monodisperse, Lanthanide-Doped Y(Gd)VO ₄ Nanocrystals as Promising Multimodal Bioprobe. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3108-3115.	1.0	15
61	Reduction-responsive polypeptide nanomedicines significantly inhibit progression of orthotopic osteosarcoma. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 23, 102085.	1.7	13
62	A C 5 N 2 Nanoparticle Based Direct Nucleus Delivery Platform for Synergistic Cancer Therapy. <i>Angewandte Chemie</i> , 2019, 131, 6356-6360.	1.6	12
63	Metal-Phenolic Encapsulated Mesoporous Silica Nanoparticles for pH-Responsive Drug Delivery and Magnetic Resonance Imaging. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 1733-1740.	1.4	11
64	Polydopamine-coated NaGdF ₄ :Dy for T ₁ /T ₂ -weighted MRI/CT multimodal imaging-guided photothermal therapy. <i>New Journal of Chemistry</i> , 2019, 43, 7371-7378.	1.4	11
65	Dysprosium-Modified Gold Nanoparticles as T ₂ Contrast Agents for Magnetic Resonance Imaging. <i>ACS Applied Nano Materials</i> , 2020, 3, 9433-9439.	2.4	11
66	Carambola-like Bi ₂ Te ₃ superstructures with enhanced photoabsorption for highly efficient photothermal therapy in the second near-infrared biowindow. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7271-7277.	2.9	11
67	Novel multifunctional theranostic nanoagents based on Ho ³⁺ for CT/MRI dual-modality imaging-guided photothermal therapy. <i>Science China Chemistry</i> , 2021, 64, 558-564.	4.2	11
68	Fe-doped copper sulfide nanoparticles for in vivo magnetic resonance imaging and simultaneous photothermal therapy. <i>Nanotechnology</i> , 2019, 30, 415101.	1.3	10
69	Large-Scale and Facile Synthesis of Biocompatible Yb-Based Nanoparticles as a Contrast Agent for In Vivo X-Ray Computed Tomography Imaging. <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 513-518.	1.0	10
70	A visualization method based on the Grad-CAM for medical image segmentation model. , 2021, , .		10
71	A Bimetallic Nanozyme with Cascade Effect for Synergistic Therapy of Cancer. <i>ChemMedChem</i> , 2022, 17, .	1.6	10
72	Morphological study of the posterior osseous structures of subaxial cervical spine in a population from northeastern China. <i>Journal of Orthopaedic Surgery and Research</i> , 2015, 10, 53.	0.9	8

#	ARTICLE	IF	CITATIONS
73	Ultra-small and size tunable PVP-NaCdF ₄ :Dy nanoparticles with high biocompatibility for multimodal tumor imaging. RSC Advances, 2016, 6, 106355-106363.	1.7	8
74	Rapidly clearable MnCo ₂ O ₄ @PAA as novel nanotheranostic agents for T ₁ /T ₂ bimodal MRI imaging-guided photothermal therapy. Nanoscale, 2021, 13, 16251-16257.	2.8	8
75	Fully Automatic Knee Joint Segmentation and Quantitative Analysis for Osteoarthritis from Magnetic Resonance (MR) Images Using a Deep Learning Model. Medical Science Monitor, 0, 28, .	0.5	8
76	Syphilitic aortitis complicated by multiple aortic aneurysms: findings of multidetector CT. International Journal of Cardiovascular Imaging, 2011, 27, 695-699.	0.7	7
77	One-pot synthesis of water-stable gadolinium-doped Yb(OH)CO ₃ nanoprobcs for in vivo dual MR and CT imaging. New Journal of Chemistry, 2013, 37, 3024.	1.4	5
78	Multiple thoracic aortic aneurysms and dysphagia aortica. European Heart Journal Cardiovascular Imaging, 2013, 14, 1026-1026.	0.5	3
79	Manufacturing and characterization of ZnO and ZnO-doped frit crystal by physical and optical methods. International Journal of Modern Physics B, 2019, 33, 1950233.	1.0	2
80	Prediction of the Invasiveness of Ground-Glass Nodules in Lung Adenocarcinoma by Radiomics Analysis Using High-Resolution Computed Tomography Imaging. Cancer Control, 2022, 29, 107327482210894.	0.7	2
81	Application of aortic Computed Tomography angiography with low radiation dose: Assessment of image quality and radiation dose. , 2012, , .		0
82	Application of Post-Processing Image Reconstruction Using 256-Slice CTA for Patients with Lower Extremity Fractures. , 2018, , .		0
83	Method and application on the localization of feature-point pairs in multi-modal medical images. AIP Conference Proceedings, 2020, , .	0.3	0
84	Dense-U-Net: A novel densely connected CNN for lung fields segmentation. , 2020, , .		0