

# Dalong Ni

## List of Publications by Year in descending order

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87  
papers

10,004  
citations

57758

44  
h-index

45317

90  
g-index

96  
all docs

96  
docs citations

96  
times ranked

10300  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanozyme: new horizons for responsive biomedical applications. <i>Chemical Society Reviews</i> , 2019, 48, 3683-3704.	38.1	1,101
2	Synthesis of Iron Nanometallic Glasses and Their Application in Cancer Therapy by a Localized Fenton Reaction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2101-2106.	13.8	930
3	Antiferromagnetic Pyrite as the Tumor Microenvironment-Mediated Nanoplatform for Self-Enhanced Tumor Imaging and Therapy. <i>Advanced Materials</i> , 2017, 29, 1701683.	21.0	458
4	Marriage of Scintillator and Semiconductor for Synchronous Radiotherapy and Deep Photodynamic Therapy with Diminished Oxygen Dependence. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1770-1774.	13.8	420
5	Hypoxia Induced by Upconversion-Based Photodynamic Therapy: Towards Highly Effective Synergistic Bioreductive Therapy in Tumors. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8105-8109.	13.8	374
6	Engineering of inorganic nanoparticles as magnetic resonance imaging contrast agents. <i>Chemical Society Reviews</i> , 2017, 46, 7438-7468.	38.1	358
7	Magnesium silicide nanoparticles as a deoxygenation agent for cancer starvation therapy. <i>Nature Nanotechnology</i> , 2017, 12, 378-386.	31.5	345
8	Rattle-Structured Multifunctional Nanotheranostics for Synergetic Chemo-/Radiotherapy and Simultaneous Magnetic/Luminescent Dual-Mode Imaging. <i>Journal of the American Chemical Society</i> , 2013, 135, 6494-6503.	13.7	318
9	DNA origami nanostructures can exhibit preferential renal uptake and alleviate acute kidney injury. <i>Nature Biomedical Engineering</i> , 2018, 2, 865-877.	22.5	297
10	Dual-Targeting Upconversion Nanoprobes across the Blood-Brain Barrier for Magnetic Resonance/Fluorescence Imaging of Intracranial Glioblastoma. <i>ACS Nano</i> , 2014, 8, 1231-1242.	14.6	279
11	X-ray Radiation-Controlled NO-Release for On-Demand Depth-Independent Hypoxic Radiosensitization. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14026-14030.	13.8	241
12	A smart upconversion-based mesoporous silica nanotheranostic system for synergetic chemo-/radio-/photodynamic therapy and simultaneous MR/UCL imaging. <i>Biomaterials</i> , 2014, 35, 8992-9002.	11.4	234
13	Effective Wound Healing Enabled by Discrete Alternative Electric Fields from Wearable Nanogenerators. <i>ACS Nano</i> , 2018, 12, 12533-12540.	14.6	234
14	Near infrared-assisted Fenton reaction for tumor-specific and mitochondrial DNA-targeted photochemotherapy. <i>Biomaterials</i> , 2017, 141, 86-95.	11.4	220
15	Scavenging of reactive oxygen and nitrogen species with nanomaterials. <i>Nano Research</i> , 2018, 11, 4955-4984.	10.4	199
16	Molybdenum-based nanoclusters act as antioxidants and ameliorate acute kidney injury in mice. <i>Nature Communications</i> , 2018, 9, 5421.	12.8	184
17	A Polyoxometalate Cluster Paradigm with Self-Adaptive Electronic Structure for Acidity/Reducibility-Specific Photothermal Conversion. <i>Journal of the American Chemical Society</i> , 2016, 138, 8156-8164.	13.7	168
18	Combined Magnetic Hyperthermia and Immune Therapy for Primary and Metastatic Tumor Treatments. <i>ACS Nano</i> , 2020, 14, 1033-1044.	14.6	161

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19	Ultrasml NaGdF <sub>4</sub> Nanodots for Efficient MR Angiography and Atherosclerotic Plaque Imaging. <i>Advanced Materials</i> , 2014, 26, 3867-3872.	21.0	158
20	Ceria Nanoparticles Meet Hepatic Ischemia-Reperfusion Injury: The Perfect Imperfection. <i>Advanced Materials</i> , 2019, 31, e1902956.	21.0	150
21	Magnetic Targeting of Nanotheranostics Enhances Cerenkov Radiation-Induced Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2018, 140, 14971-14979.	13.7	148
22	Bioresponsive Polyoxometalate Cluster for Redox-Activated Photoacoustic Imaging-Guided Photothermal Cancer Therapy. <i>Nano Letters</i> , 2017, 17, 3282-3289.	9.1	135
23	Single Ho <sup>3+</sup> -Doped Upconversion Nanoparticles for High-Performance Weighted Brain Tumor Diagnosis and MR/UCL/CT Multimodal Imaging. <i>Advanced Functional Materials</i> , 2014, 24, 6613-6620.	14.9	131
24	Synthesis of Iron Nanometallic Glasses and Their Application in Cancer Therapy by a Localized Fenton Reaction. <i>Angewandte Chemie</i> , 2016, 128, 2141-2146.	2.0	130
25	Wafer-scale heterostructured piezoelectric bio-organic thin films. <i>Science</i> , 2021, 373, 337-342.	12.6	129
26	A Melanin-Based Natural Antioxidant Defense Nanosystem for Theranostic Application in Acute Kidney Injury. <i>Advanced Functional Materials</i> , 2019, 29, 1904833.	14.9	111
27	Harnessing the Power of Nanotechnology for Enhanced Radiation Therapy. <i>ACS Nano</i> , 2017, 11, 5233-5237.	14.6	109
28	Pyroelectric nanoplatform for NIR-II-triggered photothermal therapy with simultaneous pyroelectric dynamic therapy. <i>Materials Horizons</i> , 2018, 5, 946-952.	12.2	108
29	Single W18O49 nanowires: A multifunctional nanoplatform for computed tomography imaging and photothermal/photodynamic/radiation synergistic cancer therapy. <i>Nano Research</i> , 2015, 8, 3580-3590.	10.4	100
30	Oxygen Vacancy Enables Markedly Enhanced Magnetic Resonance Imaging-Guided Photothermal Therapy of a Gd <sup>3+</sup> -Doped Contrast Agent. <i>ACS Nano</i> , 2017, 11, 4256-4264.	14.6	94
31	PEGylated NaHoF4 nanoparticles as contrast agents for both X-ray computed tomography and ultra-high field magnetic resonance imaging. <i>Biomaterials</i> , 2016, 76, 218-225.	11.4	90
32	Reassembly of <sup>89</sup> Zr-Labeled Cancer Cell Membranes into Multicompartment Membrane-Derived Liposomes for PET-Trackable Tumor-Targeted Theranostics. <i>Advanced Materials</i> , 2018, 30, e1704934.	21.0	86
33	Efficient Uptake of <sup>177</sup> Lu-Porphyrin-PEG Nanocomplexes by Tumor Mitochondria for Multimodal Imaging-Guided Combination Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 218-222.	13.8	85
34	Hypoxia Induced by Upconversion-Based Photodynamic Therapy: Towards Highly Effective Synergistic Bioreductive Therapy in Tumors. <i>Angewandte Chemie</i> , 2015, 127, 8223-8227.	2.0	77
35	Radiolabeling Silica-Based Nanoparticles via Coordination Chemistry: Basic Principles, Strategies, and Applications. <i>Accounts of Chemical Research</i> , 2018, 51, 778-788.	15.6	77
36	Intranuclear biophotonics by smart design of nuclear-targeting photo-/radio-sensitizers co-loaded upconversion nanoparticles. <i>Biomaterials</i> , 2015, 69, 89-98.	11.4	76

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37	Sensitive imaging and effective capture of Cu <sup>2+</sup> : Towards highly efficient theranostics of Alzheimer's disease. <i>Biomaterials</i> , 2016, 104, 158-167.	11.4	64
38	Multimodality Imaging Agents with PET as the Fundamental Pillar. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2570-2579.	13.8	62
39	Nanomedicines for Renal Management: From Imaging to Treatment. <i>Accounts of Chemical Research</i> , 2020, 53, 1869-1880.	15.6	57
40	Smart H <sub>2</sub> S-Triggered/Therapeutic System (SHTS)-Based Nanomedicine. <i>Advanced Science</i> , 2019, 6, 1901724.	11.2	55
41	Intrathecal Administration of Nanoclusters for Protecting Neurons against Oxidative Stress in Cerebral Ischemia/Reperfusion Injury. <i>ACS Nano</i> , 2019, 13, 13382-13389.	14.6	53
42	Aptamer-Conjugated Framework Nucleic Acids for the Repair of Cerebral Ischemia-Reperfusion Injury. <i>Nano Letters</i> , 2019, 19, 7334-7341.	9.1	51
43	Fe <sup>3+</sup> -Au Nanoparticle-Coupling for Ultrasensitive Detections of Circulating Tumor DNA. <i>Advanced Materials</i> , 2018, 30, e1801690.	21.0	49
44	Open-Shell Nanosensitizers for Glutathione Responsive Cancer Sonodynamic Therapy. <i>Advanced Materials</i> , 2022, 34, e2110283.	21.0	48
45	Upconversion nano-photosensitizer targeting into mitochondria for cancer apoptosis induction and cyt c fluorescence monitoring. <i>Nano Research</i> , 2016, 9, 3257-3266.	10.4	45
46	Integrating Anatomic and Functional Dual-Mode Magnetic Resonance Imaging: Design and Applicability of a Bifunctional Contrast Agent. <i>ACS Nano</i> , 2016, 10, 3783-3790.	14.6	44
47	Radionuclide-Activated Nanomaterials and Their Biomedical Applications. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13232-13252.	13.8	43
48	Sulfoxide-Containing Polymer-Coated Nanoparticles Demonstrate Minimal Protein Fouling and Improved Blood Circulation. <i>Advanced Science</i> , 2020, 7, 2000406.	11.2	43
49	Radiolabeled polyoxometalate clusters: Kidney dysfunction evaluation and tumor diagnosis by positron emission tomography imaging. <i>Biomaterials</i> , 2018, 171, 144-152.	11.4	42
50	Bovine serum albumin-templated nanoplatfor for magnetic resonance imaging-guided chemodynamic therapy. <i>Journal of Nanobiotechnology</i> , 2019, 17, 68.	9.1	41
51	Smart Tumor Microenvironment-Responsive Nanotheranostic Agent for Effective Cancer Therapy. <i>Advanced Functional Materials</i> , 2020, 30, 2000486.	14.9	39
52	PET Imaging of Receptor Tyrosine Kinases in Cancer. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 1625-1636.	4.1	35
53	A "Missile-Detonation" Strategy to Precisely Supply and Efficiently Amplify Cerenkov Radiation Energy for Cancer Theranostics. <i>Advanced Materials</i> , 2019, 31, e1904894.	21.0	35
54	Alpha lipoic acid antagonizes cytotoxicity of cobalt nanoparticles by inhibiting ferroptosis-like cell death. <i>Journal of Nanobiotechnology</i> , 2020, 18, 141.	9.1	35

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55	Internally Responsive Nanomaterials for Activatable Multimodal Imaging of Cancer. <i>Advanced Healthcare Materials</i> , 2021, 10, e2000690.	7.6	35
56	Endogenous Copper for Nanocatalytic Oxidative Damage and Self-Protection Pathway Breakage of Cancer. <i>ACS Nano</i> , 2021, 15, 16286-16297.	14.6	35
57	BaHoF 5 nanoprobes as high-performance contrast agents for multi-modal CT imaging of ischemic stroke. <i>Biomaterials</i> , 2015, 71, 110-118.	11.4	34
58	Efficient renal clearance of DNA tetrahedron nanoparticles enables quantitative evaluation of kidney function. <i>Nano Research</i> , 2019, 12, 637-642.	10.4	34
59	Efficient Gene Therapy of Pancreatic Cancer via a Peptide Nucleic Acid (PNA)-Loaded Layered Double Hydroxides (LDH) Nanoplatform. <i>Small</i> , 2020, 16, e1907233.	10.0	34
60	High-Performance Upconversion Nanoprobes for Multimodal MR Imaging of Acute Ischemic Stroke. <i>Small</i> , 2016, 12, 3591-3600.	10.0	30
61	Harness the Power of Upconversion Nanoparticles for Spectral Computed Tomography Diagnosis of Osteosarcoma. <i>Advanced Functional Materials</i> , 2018, 28, 1802656.	14.9	30
62	Ultras-small Porous Silica Nanoparticles with Enhanced Pharmacokinetics for Cancer Theranostics. <i>Nano Letters</i> , 2021, 21, 4692-4699.	9.1	30
63	Acid Neutralization and Immune Regulation by Calcium-Aluminum-Layered Double Hydroxide for Osteoporosis Reversion. <i>Journal of the American Chemical Society</i> , 2022, 144, 8987-8999.	13.7	30
64	Second near-infrared photothermal-amplified immunotherapy using photoactivatable composite nanostimulators. <i>Journal of Nanobiotechnology</i> , 2021, 19, 433.	9.1	29
65	In Vivo MR Imaging of Glioma Recruitment of Adoptive T Cells Labeled with NaGdF <sub>4</sub> -TAT Nanoprobes. <i>Small</i> , 2018, 14, 1702951.	10.0	26
66	Noninvasive Trafficking of Brentuximab Vedotin and PET Imaging of CD30 in Lung Cancer Murine Models. <i>Molecular Pharmaceutics</i> , 2018, 15, 1627-1634.	4.6	19
67	86/90Y-Labeled Monoclonal Antibody Targeting Tissue Factor for Pancreatic Cancer Theranostics. <i>Molecular Pharmaceutics</i> , 2020, 17, 1697-1705.	4.6	19
68	Long-term in vivo operation of implanted cardiac nanogenerators in swine. <i>Nano Energy</i> , 2021, 90, 106507.	16.0	19
69	In vitro study of enhanced photodynamic cancer cell killing effect by nanometer-thick gold nanosheets. <i>Nano Research</i> , 2020, 13, 3217-3223.	10.4	17
70	Nanostructured polyvinylpyrrolidone-curcumin conjugates allowed for kidney-targeted treatment of cisplatin induced acute kidney injury. <i>Bioactive Materials</i> , 2023, 19, 282-291.	15.6	17
71	Novel nanomedicine with a chemical-exchange saturation transfer effect for breast cancer treatment in vivo. <i>Journal of Nanobiotechnology</i> , 2019, 17, 123.	9.1	15
72	Tumor chemical suffocation therapy by dual respiratory inhibitions. <i>Chemical Science</i> , 2021, 12, 7763-7769.	7.4	14

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73	Regulating water states by vacancies for cancer therapy. <i>Nano Today</i> , 2021, 37, 101099.	11.9	14
74	Antioxidant and C5a-blocking strategy for hepatic ischemia/reperfusion injury repair. <i>Journal of Nanobiotechnology</i> , 2021, 19, 107.	9.1	13
75	Efficient Uptake of <sup>177</sup> Lu-Porphyrin-PEG Nanocomplexes by Tumor Mitochondria for Multimodal Imaging-Guided Combination Therapy. <i>Angewandte Chemie</i> , 2018, 130, 224-228.	2.0	10
76	A novel antibacterial and antifouling nanocomposite coated endotracheal tube to prevent ventilator-associated pneumonia. <i>Journal of Nanobiotechnology</i> , 2022, 20, 112.	9.1	9
77	Multimodale Kontrastmittel für die kombinierte Positronenemissionstomographie. <i>Angewandte Chemie</i> , 2019, 131, 2592-2602.	2.0	8
78	Tumor Immune Microenvironments (TIMEs): Responsive Nanoplatforms for Antitumor Immunotherapy. <i>Frontiers in Chemistry</i> , 2020, 8, 804.	3.6	6
79	Radionuklidaktivierte Nanomaterialien und ihre biomedizinische Anwendung. <i>Angewandte Chemie</i> , 2019, 131, 13366-13387.	2.0	5
80	Spatiotemporal Distribution of Agrin after Intrathecal Injection and Its Protective Role in Cerebral Ischemia/Reperfusion Injury. <i>Advanced Science</i> , 2020, 7, 1902600.	11.2	5
81	High relaxivity Gd <sup>3+</sup> -based organic nanoparticles for efficient magnetic resonance angiography. <i>Journal of Nanobiotechnology</i> , 2022, 20, 170.	9.1	5
82	Dual-modality magnetic resonance/optical imaging-guided sonodynamic therapy of pancreatic cancer with metal-organic nanosensitizer. <i>Nano Research</i> , 2022, 15, 6340-6347.	10.4	5
83	Brain Tumors: Single Ho <sup>3+</sup> -Doped Upconversion Nanoparticles for High-Performance <sup>2</sup> Weighted Brain Tumor Diagnosis and MR/UCL/CT Multimodal Imaging (Adv. Funct. Mater.) <i>Tj ETQq101 0.784314 rg</i>	10.1	4
84	Targeting Upconversion Nanoprobes for Magnetic Resonance Imaging of Early Colon Cancer. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600393.	2.3	4
85	Exogenous Amino Acid-Loaded Nanovehicles: Stepping across Endogenous Magnetic Resonance Spectroscopy. <i>Advanced Healthcare Materials</i> , 2018, 7, 1800317.	7.6	3
86	Nanodots: Ultrasmall NaGdF <sub>4</sub> Nanodots for Efficient MR Angiography and Atherosclerotic Plaque Imaging (Adv. Mater. 23/2014). <i>Advanced Materials</i> , 2014, 26, 3980-3980.	21.0	1
87	Engineering of Hybrid Upconversion Nanoparticles for Biodetection and Cancer Imaging. , 2017, , 192-220.		0