

# Dalong Ni

## List of Publications by Citations

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89  
papers

6,746  
citations

38  
h-index

82  
g-index

96  
ext. papers

8,304  
ext. citations

14.7  
avg, IF

6.11  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 89 | Synthesis of Iron Nanometallic Glasses and Their Application in Cancer Therapy by a Localized Fenton Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 2101-6                                   | 16.4 | 609       |
| 88 | Nanozyme: new horizons for responsive biomedical applications. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 3683-3704   | 58.5 | 568       |
| 87 | Antiferromagnetic Pyrite as the Tumor Microenvironment-Mediated Nanoplatforam for Self-Enhanced Tumor Imaging and Therapy. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701683   | 24   | 337       |
| 86 | Marriage of scintillator and semiconductor for synchronous radiotherapy and deep photodynamic therapy with diminished oxygen dependence. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 1770-4         | 16.4 | 336       |
| 85 | Hypoxia Induced by Upconversion-Based Photodynamic Therapy: Towards Highly Effective Synergistic Bioreductive Therapy in Tumors. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8105-9                 | 16.4 | 328       |
| 84 | Rattle-structured multifunctional nanotheranostics for synergetic chemo-/radiotherapy and simultaneous magnetic/luminescent dual-mode imaging. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 6494-503 | 16.4 | 288       |
| 83 | Magnesium silicide nanoparticles as a deoxygenation agent for cancer starvation therapy. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 378-386  | 28.7 | 255       |
| 82 | Engineering of inorganic nanoparticles as magnetic resonance imaging contrast agents. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 7438-7468  | 58.5 | 250       |
| 81 | Dual-targeting upconversion nanoprobles across the blood-brain barrier for magnetic resonance/fluorescence imaging of intracranial glioblastoma. <i>ACS Nano</i> , <b>2014</b> , 8, 1231-42                                  | 16.7 | 243       |
| 80 | A smart upconversion-based mesoporous silica nanotheranostic system for synergetic chemo-/radio-/photodynamic therapy and simultaneous MR/UCL imaging. <i>Biomaterials</i> , <b>2014</b> , 35, 8992-9002                     | 15.6 | 214       |
| 79 | DNA origami nanostructures can exhibit preferential renal uptake and alleviate acute kidney injury. <i>Nature Biomedical Engineering</i> , <b>2018</b> , 2, 865-877  | 19   | 184       |
| 78 | X-ray Radiation-Controlled NO-Release for On-Demand Depth-Independent Hypoxic Radiosensitization. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 14026-30  | 16.4 | 181       |
| 77 | Near infrared-assisted Fenton reaction for tumor-specific and mitochondrial DNA-targeted photochemotherapy. <i>Biomaterials</i> , <b>2017</b> , 141, 86-95   | 15.6 | 164       |
| 76 | Ultrasmlal NaGdF4 nanodots for efficient MR angiography and atherosclerotic plaque imaging. <i>Advanced Materials</i> , <b>2014</b> , 26, 3867-72  | 24   | 138       |
| 75 | Effective Wound Healing Enabled by Discrete Alternative Electric Fields from Wearable Nanogenerators. <i>ACS Nano</i> , <b>2018</b> , 12, 12533-12540  | 16.7 | 137       |
| 74 | A Polyoxometalate Cluster Paradigm with Self-Adaptive Electronic Structure for Acidity/Reducibility-Specific Photothermal Conversion. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 8156-64           | 16.4 | 134       |
| 73 | Scavenging of reactive oxygen and nitrogen species with nanomaterials. <i>Nano Research</i> , <b>2018</b> , 11, 4955-4984  | 19.4 | 120       |

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|----|---|------|-----|
| 72 | Single Ho <sup>3+</sup> -Doped Upconversion Nanoparticles for High-Performance T2-Weighted Brain Tumor Diagnosis and MR/UCL/CT Multimodal Imaging. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 6613-6620 | 15.6 | 116 |
| 71 | Bioresponsive Polyoxometalate Cluster for Redox-Activated Photoacoustic Imaging-Guided Photothermal Cancer Therapy. <i>Nano Letters</i> , <b>2017</b> , 17, 3282-3289   | 11.5 | 107 |
| 70 | Molybdenum-based nanoclusters act as antioxidants and ameliorate acute kidney injury in mice. <i>Nature Communications</i> , <b>2018</b> , 9, 5421  | 17.4 | 100 |
| 69 | Magnetic Targeting of Nanotheranostics Enhances Cerenkov Radiation-Induced Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 14971-14979                                     | 16.4 | 99  |
| 68 | Combined Magnetic Hyperthermia and Immune Therapy for Primary and Metastatic Tumor Treatments. <i>ACS Nano</i> , <b>2020</b> , 14, 1033-1044  | 16.7 | 90  |
| 67 | Single W18O49 nanowires: A multifunctional nanoplatform for computed tomography imaging and photothermal/photodynamic/radiation synergistic cancer therapy. <i>Nano Research</i> , <b>2015</b> , 8, 3580-3590         | 10   | 87  |
| 66 | Synthesis of Iron Nanometallic Glasses and Their Application in Cancer Therapy by a Localized Fenton Reaction. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 2141-2146  | 3.6  | 85  |
| 65 | Harnessing the Power of Nanotechnology for Enhanced Radiation Therapy. <i>ACS Nano</i> , <b>2017</b> , 11, 5233-5237  | 16.7 | 83  |
| 64 | Ceria Nanoparticles Meet Hepatic Ischemia-Reperfusion Injury: The Perfect Imperfection. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902956  | 24   | 76  |
| 63 | Efficient Uptake of Lu-Porphyrin-PEG Nanocomplexes by Tumor Mitochondria for Multimodal-Imaging-Guided Combination Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 218-222              | 16.4 | 75  |
| 62 | Oxygen Vacancy Enables Markedly Enhanced Magnetic Resonance Imaging-Guided Photothermal Therapy of a Gd-Doped Contrast Agent. <i>ACS Nano</i> , <b>2017</b> , 11, 4256-4264   | 16.7 | 71  |
| 61 | Intranuclear biophotonics by smart design of nuclear-targeting photo-/radio-sensitizers co-loaded upconversion nanoparticles. <i>Biomaterials</i> , <b>2015</b> , 69, 89-98   | 15.6 | 68  |
| 60 | PEGylated NaHoF <sub>4</sub> nanoparticles as contrast agents for both X-ray computed tomography and ultra-high field magnetic resonance imaging. <i>Biomaterials</i> , <b>2016</b> , 76, 218-25                      | 15.6 | 68  |
| 59 | Pyroelectric nanoplatform for NIR-II-triggered photothermal therapy with simultaneous pyroelectric dynamic therapy. <i>Materials Horizons</i> , <b>2018</b> , 5, 946-952  | 14.4 | 67  |
| 58 | A Melanin-Based Natural Antioxidant Defense Nanosystem for Theranostic Application in Acute Kidney Injury. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1904833   | 15.6 | 65  |
| 57 | Reassembly of Zr-Labeled Cancer Cell Membranes into Multicompartment Membrane-Derived Liposomes for PET-Trackable Tumor-Targeted Theranostics. <i>Advanced Materials</i> , <b>2018</b> , 30, e1704934                 | 24   | 63  |
| 56 | Hypoxia Induced by Upconversion-Based Photodynamic Therapy: Towards Highly Effective Synergistic Bioreductive Therapy in Tumors. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 8223-8227                              | 3.6  | 61  |
| 55 | Radiolabeling Silica-Based Nanoparticles via Coordination Chemistry: Basic Principles, Strategies, and Applications. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 778-788                                 | 24.3 | 52  |

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|----|--|------|----|
| 54 | Sensitive imaging and effective capture of Cu(2+): Towards highly efficient theranostics of Alzheimer's disease. <i>Biomaterials</i> , <b>2016</b> , 104, 158-67                                 | 15.6 | 52 |
| 53 | Marriage of Scintillator and Semiconductor for Synchronous Radiotherapy and Deep Photodynamic Therapy with Diminished Oxygen Dependence. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 1790-1794 | 3.6  | 43 |
| 52 | Multimodality Imaging Agents with PET as the Fundamental Pillar. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 2570-2579  | 16.4 | 40 |
| 51 | Upconversion nano-photosensitizer targeting into mitochondria for cancer apoptosis induction and cyt c fluorescence monitoring. <i>Nano Research</i> , <b>2016</b> , 9, 3257-3266                | 10   | 37 |
| 50 | Integrating Anatomic and Functional Dual-Mode Magnetic Resonance Imaging: Design and Applicability of a Bifunctional Contrast Agent. <i>ACS Nano</i> , <b>2016</b> , 10, 3783-90                 | 16.7 | 37 |
| 49 | Fe-Au Nanoparticle-Coupling for Ultrasensitive Detections of Circulating Tumor DNA. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801690   | 24   | 35 |
| 48 | Smart HS-Triggered/Therapeutic System (SHTS)-Based Nanomedicine. <i>Advanced Science</i> , <b>2019</b> , 6, 1901724  | 24.6 | 33 |
| 47 | Wafer-scale heterostructured piezoelectric bio-organic thin films. <i>Science</i> , <b>2021</b> , 373, 337-342   | 33.3 | 33 |
| 46 | Aptamer-Conjugated Framework Nucleic Acids for the Repair of Cerebral Ischemia-Reperfusion Injury. <i>Nano Letters</i> , <b>2019</b> , 19, 7334-7341   | 11.5 | 31 |
| 45 | PET Imaging of Receptor Tyrosine Kinases in Cancer. <i>Molecular Cancer Therapeutics</i> , <b>2018</b> , 17, 1625-1636   | 16.1 | 27 |
| 44 | Radiolabeled polyoxometalate clusters: Kidney dysfunction evaluation and tumor diagnosis by positron emission tomography imaging. <i>Biomaterials</i> , <b>2018</b> , 171, 144-152               | 15.6 | 26 |
| 43 | Radionuclide-Activated Nanomaterials and Their Biomedical Applications. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 13232-13252   | 16.4 | 26 |
| 42 | X-ray Radiation-Controlled NO-Release for On-Demand Depth-Independent Hypoxic Radiosensitization. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 14232-14236                                      | 3.6  | 25 |
| 41 | Intrathecal Administration of Nanoclusters for Protecting Neurons against Oxidative Stress in Cerebral Ischemia/Reperfusion Injury. <i>ACS Nano</i> , <b>2019</b> , 13, 13382-13389              | 16.7 | 24 |
| 40 | Efficient renal clearance of DNA tetrahedron nanoparticles enables quantitative evaluation of kidney function. <i>Nano Research</i> , <b>2019</b> , 12, 637-642                                  | 10   | 24 |
| 39 | BaHoF5 nanoprobe as high-performance contrast agents for multi-modal CT imaging of ischemic stroke. <i>Biomaterials</i> , <b>2015</b> , 71, 110-118  | 15.6 | 23 |
| 38 | High-Performance Upconversion Nanoprobes for Multimodal MR Imaging of Acute Ischemic Stroke. <i>Small</i> , <b>2016</b> , 12, 3591-600   | 11   | 22 |
| 37 | Bovine serum albumin-templated nanoplateform for magnetic resonance imaging-guided chemodynamic therapy. <i>Journal of Nanobiotechnology</i> , <b>2019</b> , 17, 68                              | 9.4  | 21 |

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| 36 | Smart Tumor Microenvironment-Responsive Nanotheranostic Agent for Effective Cancer Therapy. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000486                                     | 15.6 | 21 |
| 35 | Nanomedicines for Renal Management: From Imaging to Treatment. <i>Accounts of Chemical Research</i> , <b>2020</b> , 53, 1869-1880  | 24.3 | 21 |
| 34 | Harness the Power of Upconversion Nanoparticles for Spectral Computed Tomography Diagnosis of Osteosarcoma. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802656                     | 15.6 | 20 |
| 33 | Sulfoxide-Containing Polymer-Coated Nanoparticles Demonstrate Minimal Protein Fouling and Improved Blood Circulation. <i>Advanced Science</i> , <b>2020</b> , 7, 2000406                         | 13.6 | 18 |
| 32 | In Vivo MR Imaging of Glioma Recruitment of Adoptive T-Cells Labeled with NaGdF -TAT Nanoprobes. <i>Small</i> , <b>2018</b> , 14, 1702951  | 11   | 16 |
| 31 | A "Missile-Detonation" Strategy to Precisely Supply and Efficiently Amplify Cerenkov Radiation Energy for Cancer Theranostics. <i>Advanced Materials</i> , <b>2019</b> , 31, e1904894            | 24   | 14 |
| 30 | Efficient Gene Therapy of Pancreatic Cancer via a Peptide Nucleic Acid (PNA)-Loaded Layered Double Hydroxides (LDH) Nanoplatfom. <i>Small</i> , <b>2020</b> , 16, e1907233                       | 11   | 13 |
| 29 | Alpha lipoic acid antagonizes cytotoxicity of cobalt nanoparticles by inhibiting ferroptosis-like cell death. <i>Journal of Nanobiotechnology</i> , <b>2020</b> , 18, 141                        | 9.4  | 13 |
| 28 | Y-Labeled Monoclonal Antibody Targeting Tissue Factor for Pancreatic Cancer Theranostics. <i>Molecular Pharmaceutics</i> , <b>2020</b> , 17, 1697-1705   | 5.6  | 12 |
| 27 | Noninvasive Trafficking of Brentuximab Vedotin and PET Imaging of CD30 in Lung Cancer Murine Models. <i>Molecular Pharmaceutics</i> , <b>2018</b> , 15, 1627-1634                                | 5.6  | 11 |
| 26 | Novel nanomedicine with a chemical-exchange saturation transfer effect for breast cancer treatment in vivo. <i>Journal of Nanobiotechnology</i> , <b>2019</b> , 17, 123                          | 9.4  | 10 |
| 25 | Internally Responsive Nanomaterials for Activatable Multimodal Imaging of Cancer. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2000690  | 10.1 | 9  |
| 24 | Efficient Uptake of <sup>177</sup> Lu-Porphyrin-PEG Nanocomplexes by Tumor Mitochondria for Multimodal-Imaging-Guided Combination Therapy. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 224-228 | 3.6  | 9  |
| 23 | Endogenous Copper for Nanocatalytic Oxidative Damage and Self-Protection Pathway Breakage of Cancer. <i>ACS Nano</i> , <b>2021</b> , 15, 16286-16297   | 16.7 | 8  |
| 22 | Open-shell Nanosensitizers for Glutathione Responsive Cancer Sonodynamic Therapy.. <i>Advanced Materials</i> , <b>2022</b> , e2110283  | 24   | 8  |
| 21 | Ultrasml Porous Silica Nanoparticles with Enhanced Pharmacokinetics for Cancer Theranostics. <i>Nano Letters</i> , <b>2021</b> , 21, 4692-4699   | 11.5 | 7  |
| 20 | Spatiotemporal Distribution of Agrin after Intrathecal Injection and Its Protective Role in Cerebral Ischemia/Reperfusion Injury. <i>Advanced Science</i> , <b>2020</b> , 7, 1902600             | 13.6 | 5  |
| 19 | study of enhanced photodynamic cancer cell killing effect by nanometer-thick gold nanosheets. <i>Nano Research</i> , <b>2020</b> , 13, 3217-3223   | 10   | 5  |

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| 18 | Tumor chemical suffocation therapy by dual respiratory inhibitions. <i>Chemical Science</i> , <b>2021</b> , 12, 7763-7769  | 9.4  | 5 |
| 17 | Second near-infrared photothermal-amplified immunotherapy using photoactivatable composite nanostimulators.. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 433   | 9.4  | 5 |
| 16 | Targeting Upconversion Nanoprobes for Magnetic Resonance Imaging of Early Colon Cancer. <i>Particle and Particle Systems Characterization</i> , <b>2017</b> , 34, 1600393  | 3.1  | 4 |
| 15 | Tumor Immune Microenvironments (TIMEs): Responsive Nanoplatforms for Antitumor Immunotherapy. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 804   | 5    | 4 |
| 14 | Regulating water states by vacancies for cancer therapy. <i>Nano Today</i> , <b>2021</b> , 37, 101099  | 17.9 | 4 |
| 13 | Multimodale Kontrastmittel für die kombinierte Positronenemissionstomographie. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 2592-2602   | 3.6  | 3 |
| 12 | Brain Tumors: Single Ho <sup>3+</sup> -Doped Upconversion Nanoparticles for High-Performance T2-Weighted Brain Tumor Diagnosis and MR/UCL/CT Multimodal Imaging (Adv. Funct. Mater. 42/2014). <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 6612-6612 | 15.6 | 3 |
| 11 | Long-term in vivo operation of implanted cardiac nanogenerators in swine. <i>Nano Energy</i> , <b>2021</b> , 90, 106507-106507   | 17.1 | 3 |
| 10 | Exogenous Amino Acid-Loaded Nanovehicles: Stepping across Endogenous Magnetic Resonance Spectroscopy. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, e1800317   | 10.1 | 2 |
| 9  | Radionuklidaktivierte Nanomaterialien und ihre biomedizinische Anwendung. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 13366-13387  | 3.6  | 2 |
| 8  | Nanodots: Ultrasmall NaGdF <sub>4</sub> Nanodots for Efficient MR Angiography and Atherosclerotic Plaque Imaging (Adv. Mater. 23/2014). <i>Advanced Materials</i> , <b>2014</b> , 26, 3980-3980  | 24   | 1 |
| 7  | Antioxidant and C5a-blocking strategy for hepatic ischemia-reperfusion injury repair. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 107  | 9.4  | 1 |
| 6  | Nanostructured polyvinylpyrrolidone-curcumin conjugates allowed for kidney-targeted treatment of cisplatin induced acute kidney injury.. <i>Bioactive Materials</i> , <b>2023</b> , 19, 282-291  | 16.7 | 1 |
| 5  | A novel antibacterial and antifouling nanocomposite coated endotracheal tube to prevent ventilator-associated pneumonia.. <i>Journal of Nanobiotechnology</i> , <b>2022</b> , 20, 112  | 9.4  | 0 |
| 4  | High relaxivity Gd-based organic nanoparticles for efficient magnetic resonance angiography.. <i>Journal of Nanobiotechnology</i> , <b>2022</b> , 20, 170  | 9.4  | 0 |
| 3  | Dual-modality magnetic resonance/optical imaging-guided sonodynamic therapy of pancreatic cancer with metal-organic nanosonosensitizer. <i>Nano Research</i> , 1   | 10   | 0 |
| 2  | Innenrücktitelbild: X-ray Radiation-Controlled NO-Release for On-Demand Depth-Independent Hypoxic Radiosensitization (Angew. Chem. 47/2015). <i>Angewandte Chemie</i> , <b>2015</b> , 127, 14397-14397   | 3.6  |   |
| 1  | Engineering of Hybrid Upconversion Nanoparticles for Biodetection and Cancer Imaging <b>2017</b> , 192-220   |      |   |

