Dawei Jiang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86 papers	2,959 citations	27 h-index	53 g-index
98 ext. papers	3,943 ext. citations	10.4 avg, IF	5.54 L-index

#	Paper	IF	Citations
86	Nanozyme: new horizons for responsive biomedical applications. *Chemical Society Reviews*, **2019**, 48, 3683-3704	58.5	568
85	DNA origami nanostructures can exhibit preferential renal uptake and alleviate acute kidney injury. *Nature Biomedical Engineering*, **2018**, 2, 865-877	19	184
84	Multiple-Armed Tetrahedral DNA Nanostructures for Tumor-Targeting, Dual-Modality in Vivo Imaging. *ACS Applied Materials & Interfaces*, **2016**, 8, 4378-84	9.5	110
83	Bioresponsive Polyoxometalate Cluster for Redox-Activated Photoacoustic Imaging-Guided Photothermal Cancer Therapy. *Nano Letters*, **2017**, 17, 3282-3289	11.5	107
82	Molybdenum-based nanoclusters act as antioxidants and ameliorate acute kidney injury in mice. *Nature Communications*, **2018**, 9, 5421	17.4	100
81	Magnetic Targeting of Nanotheranostics Enhances Cerenkov Radiation-Induced Photodynamic Therapy. *Journal of the American Chemical Society*, **2018**, 140, 14971-14979	16.4	99
80	Bacteria-like mesoporous silica-coated gold nanorods for positron emission tomography and photoacoustic imaging-guided chemo-photothermal combined therapy. *Biomaterials*, **2018**, 165, 56-65	15.6	90
79	Renal-Clearable PEGylated Porphyrin Nanoparticles for Image-guided Photodynamic Cancer Therapy. *Advanced Functional Materials*, **2017**, 27, 1702928	15.6	90
78	Dual-Modality Positron Emission Tomography/Optical Image-Guided Photodynamic Cancer Therapy with Chlorin e6-Containing Nanomicelles. *ACS Nano*, **2016**, 10, 7721-30	16.7	79
77	Ultra-small iron-gallic acid coordination polymer nanoparticles for chelator-free labeling of Cu and multimodal imaging-guided photothermal therapy. *Nanoscale*, **2017**, 9, 12609-12617	7.7	77
76	Ceria Nanoparticles Meet Hepatic Ischemia-Reperfusion Injury: The Perfect Imperfection. *Advanced Materials*, **2019**, 31, e1902956	24	76
75	Zr-labeled nivolumab for imaging of T-cell infiltration in a humanized murine model of lung cancer. *European Journal of Nuclear Medicine and Molecular Imaging*, **2018**, 45, 110-120	8.8	73
74	Tumor pH-responsive metastable-phase manganese sulfide nanotheranostics for traceable hydrogen sulfide gas therapy primed chemodynamic therapy. *Theranostics*, **2020**, 10, 2453-2462	12.1	67
73	A Melanin-Based Natural Antioxidant Defense Nanosystem for Theranostic Application in Acute Kidney Injury. *Advanced Functional Materials*, **2019**, 29, 1904833	15.6	65
72	Reassembly of Zr-Labeled Cancer Cell Membranes into Multicompartment Membrane-Derived Liposomes for PET-Trackable Tumor-Targeted Theranostics. *Advanced Materials*, **2018**, 30, e1704934	24	63
71	Noninvasive PET Imaging of T cells. *Trends in Cancer*, **2018**, 4, 359-373	12.5	63
70	ImmunoPET Imaging of CTLA-4 Expression in Mouse Models of Non-small Cell Lung Cancer. *Molecular Pharmaceutics*, **2017**, 14, 1782-1789	5.6	62

69	Renal-Clearable Ultrasmall Coordination Polymer Nanodots for Chelator-Free Cu-Labeling and Imaging-Guided Enhanced Radiotherapy of Cancer. *ACS Nano*, **2017**, 11, 9103-9111	16.7	62
68	Radiolabeling Silica-Based Nanoparticles via Coordination Chemistry: Basic Principles, Strategies, and Applications. *Accounts of Chemical Research*, **2018**, 51, 778-788	24.3	52
67	Self-Activated Electrical Stimulation for Effective Hair Regeneration a Wearable Omnidirectional Pulse Generator. *ACS Nano*, **2019**, 13, 12345-12356	16.7	51
66	Intrabilayer Cu Labeling of Photoactivatable, Doxorubicin-Loaded Stealth Liposomes. *ACS Nano*, **2017**, 11, 12482-12491	16.7	50
65	DNA nanomaterials for preclinical imaging and drug delivery. *Journal of Controlled Release*, **2016**, 239, 27-38	11.7	49
64	Selenium-Doped Carbon Quantum Dots Act as Broad-Spectrum Antioxidants for Acute Kidney Injury Management. *Advanced Science*, **2020**, 7, 2000420	13.6	48
63	Chirality-Driven Transportation and Oxidation Prevention by Chiral Selenium Nanoparticles. *Angewandte Chemie - International Edition*, **2020**, 59, 4406-4414	16.4	40
62	Aptamer-Conjugated Framework Nucleic Acids for the Repair of Cerebral Ischemia-Reperfusion Injury. *Nano Letters*, **2019**, 19, 7334-7341	11.5	31
61	Constructing Higher-Order DNA Nanoarchitectures with Highly Purified DNA Nanocages. *ACS Applied Materials & Interfaces*, **2015**, 7, 13174-9	9.5	29
60	CD146-Targeted Multimodal Image-Guided Photoimmunotherapy of Melanoma. *Advanced Science*, **2019**, 6, 1801237	13.6	28
59	Chelator-Free Labeling of Metal Oxide Nanostructures with Zirconium-89 for Positron Emission Tomography Imaging. *ACS Nano*, **2017**, 11, 12193-12201	16.7	27
58	Radiolabeled polyoxometalate clusters: Kidney dysfunction evaluation and tumor diagnosis by positron emission tomography imaging. *Biomaterials*, **2018**, 171, 144-152	15.6	26
57	Synthesis and evaluation of (18)F-labeled bile acid compound: a potential PET imaging agent for FXR-related diseases. *Nuclear Medicine and Biology*, **2014**, 41, 495-500	2.1	26
56	Intrathecal Administration of Nanoclusters for Protecting Neurons against Oxidative Stress in Cerebral Ischemia/Reperfusion Injury. *ACS Nano*, **2019**, 13, 13382-13389	16.7	24
55	Efficient renal clearance of DNA tetrahedron nanoparticles enables quantitative evaluation of kidney function. *Nano Research*, **2019**, 12, 637-642	10	24
54	Radiolabeled pertuzumab for imaging of human epidermal growth factor receptor 2 expression in ovarian cancer. *European Journal of Nuclear Medicine and Molecular Imaging*, **2017**, 44, 1296-1305	8.8	23
53	Nanomedicines for Renal Management: From Imaging to Treatment. *Accounts of Chemical Research*, **2020**, 53, 1869-1880	24.3	21
52	Noninvasive Imaging and Quantification of Radiotherapy-Induced PD-L1 Upregulation with Zr-Df-Atezolizumab. *Bioconjugate Chemistry*, **2019**, 30, 1434-1441	6.3	20

51	ImmunoPET imaging of CD38 in murine lymphoma models using Zr-labeled daratumumab. *European Journal of Nuclear Medicine and Molecular Imaging*, **2018**, 45, 1372-1381	8.8	18
50	Antibody and fragment-based PET imaging of CTLA-4+ T-cells in humanized mouse models. *American Journal of Cancer Research*, **2019**, 9, 53-63	4.4	18
49	CD38 as a PET Imaging Target in Lung Cancer. *Molecular Pharmaceutics*, **2017**, 14, 2400-2406	5.6	17
48	ImmunoPET for assessing the differential uptake of a CD146-specific monoclonal antibody in lung cancer. *European Journal of Nuclear Medicine and Molecular Imaging*, **2016**, 43, 2169-2179	8.8	17
47	A head-to-head comparison of Ga-DOTA-FAPI-04 and F-FDG PET/MR in patients with nasopharyngeal carcinoma: a prospective study. *European Journal of Nuclear Medicine and Molecular Imaging*, **2021**, 48, 3228-3237	8.8	17
46	Chirality-Driven Transportation and Oxidation Prevention by Chiral Selenium Nanoparticles. *Angewandte Chemie*, **2020**, 132, 4436-4444	3.6	16
45	[Sc(pypa)]: Thermodynamic Stability, Radiolabeling, and Biodistribution of a Prostate-Specific-Membrane-Antigen-Targeting Conjugate. *Inorganic Chemistry*, **2020**, 59, 1985-1995	5.1	15
44	Targeting angiogenesis for radioimmunotherapy with a Lu-labeled antibody. *European Journal of Nuclear Medicine and Molecular Imaging*, **2018**, 45, 123-131	8.8	15
43	Radiolabeling of DNA Bipyramid and Preliminary Biological Evaluation in Mice. *Bioconjugate Chemistry*, **2016**, 27, 905-10	6.3	15
42	Y-Based Theranostics Targeting Angiogenesis in a Murine Breast Cancer Model. *Molecular Pharmaceutics*, **2018**, 15, 2606-2613	5.6	15
41	Y-Labeled Monoclonal Antibody Targeting Tissue Factor for Pancreatic Cancer Theranostics. *Molecular Pharmaceutics*, **2020**, 17, 1697-1705	5.6	12
40	Fluorine-18 labeling by click chemistry: multiple probes in one pot. *Applied Radiation and Isotopes*, **2013**, 75, 64-70	1.7	12
39	Noninvasive Trafficking of Brentuximab Vedotin and PET Imaging of CD30 in Lung Cancer Murine Models. *Molecular Pharmaceutics*, **2018**, 15, 1627-1634	5.6	11
38	A Switchable Site-Specific Antibody Conjugate. *ACS Chemical Biology*, **2018**, 13, 958-964	4.9	10
37	Dual-labeled pertuzumab for multimodality image-guided ovarian tumor resection. *American Journal of Cancer Research*, **2019**, 9, 1454-1468	4.4	10
36	Development and characterization of CD54-targeted immunoPET imaging in solid tumors. *European Journal of Nuclear Medicine and Molecular Imaging*, **2020**, 47, 2765-2775	8.8	9
35	ImmunoPET Imaging of CD146 in Murine Models of Intrapulmonary Metastasis of Non-Small Cell Lung Cancer. *Molecular Pharmaceutics*, **2017**, 14, 3239-3247	5.6	9
34	Radiolabeling of RGD peptide and preliminary biological evaluation in mice bearing U87MG tumors. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 3850-5	3.4	9

33	Tissue Factor-Targeted ImmunoPET Imaging and Radioimmunotherapy of Anaplastic Thyroid Cancer. *Advanced Science*, **2020**, 7, 1903595	13.6	8
32	HER2-targeted multimodal imaging of anaplastic thyroid cancer. *American Journal of Cancer Research*, **2019**, 9, 2413-2427	4.4	8
31	Prevention of Hepatic Ischemia-Reperfusion Injury by Carbohydrate-Derived Nanoantioxidants. *Nano Letters*, **2020**, 20, 6510-6519	11.5	8
30	ImmunoPET imaging of CD38 expression in hepatocellular carcinoma using Cu-labeled daratumumab. *American Journal of Translational Research (discontinued)*, **2019**, 11, 6007-6015	3	7
29	Ultrasmall Porous Silica Nanoparticles with Enhanced Pharmacokinetics for Cancer Theranostics. *Nano Letters*, **2021**, 21, 4692-4699	11.5	7
28	Radionuclide-based molecular imaging allows CAR-T cellular visualization and therapeutic monitoring. *Theranostics*, **2021**, 11, 6800-6817	12.1	7
27	Immuno-PET imaging of VEGFR-2 expression in prostate cancer with Zr-labeled ramucirumab. *American Journal of Cancer Research*, **2019**, 9, 2037-2046	4.4	6
26	CD38-Targeted Theranostics of Lymphoma with Zr/Lu-Labeled Daratumumab. *Advanced Science*, **2021**, 8, 2001879	13.6	6
25	Extracellular vesicles-based pre-targeting strategy enables multi-modal imaging of orthotopic colon cancer and image-guided surgery. *Journal of Nanobiotechnology*, **2021**, 19, 151	9.4	6
24	Spatiotemporal Distribution of Agrin after Intrathecal Injection and Its Protective Role in Cerebral Ischemia/Reperfusion Injury. *Advanced Science*, **2020**, 7, 1902600	13.6	5
23	Salinomycin nanocrystals for colorectal cancer treatment through inhibition of Wnt/Ecatenin signaling. *Nanoscale*, **2020**, 12, 19931-19938	7.7	5
22	Noninvasive Evaluation of CD20 Expression Using Cu-Labeled F(ab$) Fragments of Obinutuzumab in Lymphoma. *Journal of Nuclear Medicine*, **2021**, 62, 372-378	8.9	4
21	ImmunoPET of CD146 in Orthotopic and Metastatic Breast Cancer Models. *Bioconjugate Chemistry*, **2021**, 32, 1306-1314	6.3	4
20	ImmunoPET Imaging of TIM-3 in Murine Melanoma Models. *Advanced Therapeutics*, **2020**, 3, 2000018	4.9	3
19	ImmunoPET/NIRF/Cerenkov multimodality imaging of ICAM-1 in pancreatic ductal adenocarcinoma. *European Journal of Nuclear Medicine and Molecular Imaging*, **2021**, 48, 2737-2748	8.8	3
18	Multi-antitumor therapy and synchronous imaging monitoring based on exosome.. *European Journal of Nuclear Medicine and Molecular Imaging*, **2022**, 1	8.8	2
17	Intracellular signaling pathway in dendritic cells and antigen transport pathway in vivo mediated by an OVA@DDAB/PLGA nano-vaccine. *Journal of Nanobiotechnology*, **2021**, 19, 394	9.4	2
16	Framework Nucleic Acids in Nuclear Medicine Imaging: shedding light on nano-bio interactions. *Angewandte Chemie - International Edition*, **2021**,	16.4	2

15	Nissle 1917 as a Novel Microrobot for Tumor-Targeted Imaging and Therapy. *Pharmaceutics*, **2021**, 13,	6.4	2
14	ImmunoPET of trophoblast cell-surface antigen 2 (Trop-2) expression in pancreatic cancer. *European Journal of Nuclear Medicine and Molecular Imaging*, **2021**, 1	8.8	2
13	Minimizing adverse effects of Cerenkov radiation induced photodynamic therapy with transformable photosensitizer-loaded nanovesicles.. *Journal of Nanobiotechnology*, **2022**, 20, 203	9.4	2
12	Frontispiece: Chirality-Driven Transportation and Oxidation Prevention by Chiral Selenium Nanoparticles. *Angewandte Chemie - International Edition*, **2020**, 59,	16.4	1
11	Incremental Value of Left Ventricular Mechanical Dyssynchrony Assessment by Nitrogen-13 Ammonia ECG-Gated PET in Patients With Coronary Artery Disease. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 719565	5.4	1
10	Labeling of Erythrocytes by Porphyrin-Phospholipid. *Advanced NanoBiomed Research*, **2021**, 1, 2000013	0	1
9	Spherical nucleic acids: Organized nucleotide aggregates as versatile nanomedicine.. *Aggregate*, **2022**, 3, e120	22.9	1
8	Advances in aptamer-based nuclear imaging.. *European Journal of Nuclear Medicine and Molecular Imaging*, **2022**, 1	8.8	1
7	Multifunctional flexible contact lens for eye health monitoring using inorganic magnetic oxide nanosheets.. *Journal of Nanobiotechnology*, **2022**, 20, 202	9.4	1
6	Conductive nanocomposite hydrogel and mesenchymal stem cells for the treatment of myocardial infarction and non-invasive monitoring via PET/CT.. *Journal of Nanobiotechnology*, **2022**, 20, 211	9.4	1
5	Nanostructured polyvinylpyrrolidone-curcumin conjugates allowed for kidney-targeted treatment of cisplatin induced acute kidney injury.. *Bioactive Materials*, **2023**, 19, 282-291	16.7	1
4	Framework Nucleic Acids in Nuclear Medicine Imaging: shedding light on nano-bio interactions. *Angewandte Chemie*,	3.6	0
3	ImmunoPET of the differential expression of CD146 in breast cancer. *American Journal of Cancer Research*, **2021**, 11, 1586-1599	4.4	
2	[F]F-ET-OTSSP167 Targets Maternal Embryo Leucine Zipper Kinase for PET Imaging of Triple-Negative Breast Cancer. *Molecular Pharmaceutics*, **2021**, 18, 3544-3552	5.6	
1	Glomerular filtration rate calculation based on Ga-EDTA dynamic renal PET.. *American Journal of Nuclear Medicine and Molecular Imaging*, **2022**, 12, 54-62	2.2	