

Dawei Jiang

List of Publications by Year in descending order

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94
papers

5,010
citations

136740

32
h-index

95083

68
g-index

98
all docs

98
docs citations

98
times ranked

5995
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanozyme: new horizons for responsive biomedical applications. <i>Chemical Society Reviews</i> , 2019, 48, 3683-3704.	18.7	1,101
2	DNA origami nanostructures can exhibit preferential renal uptake and alleviate acute kidney injury. <i>Nature Biomedical Engineering</i> , 2018, 2, 865-877.	11.6	297
3	Molybdenum-based nanoclusters act as antioxidants and ameliorate acute kidney injury in mice. <i>Nature Communications</i> , 2018, 9, 5421.	5.8	184
4	Ceria Nanoparticles Meet Hepatic Ischemiaâ€Reperfusion Injury: The Perfect Imperfection. <i>Advanced Materials</i> , 2019, 31, e1902956.	11.1	150
5	Magnetic Targeting of Nanotheranostics Enhances Cerenkov Radiation-Induced Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2018, 140, 14971-14979.	6.6	148
6	Multiple-Armed Tetrahedral DNA Nanostructures for Tumor-Targeting, Dual-Modality in Vivo Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4378-4384.	4.0	142
7	Bioresponsive Polyoxometalate Cluster for Redox-Activated Photoacoustic Imaging-Guided Photothermal Cancer Therapy. <i>Nano Letters</i> , 2017, 17, 3282-3289.	4.5	135
8	Bacteria-like mesoporous silica-coated gold nanorods for positron emission tomography and photoacoustic imaging-guided chemo-photothermal combined therapy. <i>Biomaterials</i> , 2018, 165, 56-65.	5.7	134
9	Tumor pH-responsive metastable-phase manganese sulfide nanotheranostics for traceable hydrogen sulfide gas therapy primed chemodynamic therapy. <i>Theranostics</i> , 2020, 10, 2453-2462.	4.6	120
10	Renalâ€Clearable PEGylated Porphyrin Nanoparticles for Imageâ€Guided Photodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , 2017, 27, 1702928.	7.8	113
11	A Melaninâ€Based Natural Antioxidant Defense Nanosystem for Theranostic Application in Acute Kidney Injury. <i>Advanced Functional Materials</i> , 2019, 29, 1904833.	7.8	111
12	Seleniumâ€Doped Carbon Quantum Dots Act as Broadâ€Spectrum Antioxidants for Acute Kidney Injury Management. <i>Advanced Science</i> , 2020, 7, 2000420.	5.6	109
13	⁸⁹ Zr-labeled nivolumab for imaging of T-cell infiltration in a humanized murine model of lung cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 110-120.	3.3	100
14	Ultra-small iron-gallic acid coordination polymer nanoparticles for chelator-free labeling of ⁶⁴ Cu and multimodal imaging-guided photothermal therapy. <i>Nanoscale</i> , 2017, 9, 12609-12617.	2.8	90
15	Self-Activated Electrical Stimulation for Effective Hair Regeneration <i>via</i> a Wearable Omnidirectional Pulse Generator. <i>ACS Nano</i> , 2019, 13, 12345-12356.	7.3	90
16	Dual-Modality Positron Emission Tomography/Optical Image-Guided Photodynamic Cancer Therapy with Chlorin e6-Containing Nanomicelles. <i>ACS Nano</i> , 2016, 10, 7721-7730.	7.3	88
17	Noninvasive PET Imaging of T cells. <i>Trends in Cancer</i> , 2018, 4, 359-373.	3.8	88
18	Reassembly of ⁸⁹ Zrâ€Labeled Cancer Cell Membranes into Multicompartment Membraneâ€Derived Liposomes for PETâ€Trackable Tumorâ€Targeted Theranostics. <i>Advanced Materials</i> , 2018, 30, e1704934.	11.1	86

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19	ImmunoPET Imaging of CTLA-4 Expression in Mouse Models of Non-small Cell Lung Cancer. <i>Molecular Pharmaceutics</i> , 2017, 14, 1782-1789.	2.3	84
20	Radiolabeling Silica-Based Nanoparticles via Coordination Chemistry: Basic Principles, Strategies, and Applications. <i>Accounts of Chemical Research</i> , 2018, 51, 778-788.	7.6	77
21	Chirality-Driven Transportation and Oxidation Prevention by Chiral Selenium Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4406-4414.	7.2	77
22	Renal-Clearable Ultrasmall Coordination Polymer Nanodots for Chelator-Free ⁶⁴ Cu-Labeling and Imaging-Guided Enhanced Radiotherapy of Cancer. <i>ACS Nano</i> , 2017, 11, 9103-9111.	7.3	73
23	Intrabilayer ⁶⁴ Cu Labeling of Photoactivatable, Doxorubicin-Loaded Stealth Liposomes. <i>ACS Nano</i> , 2017, 11, 12482-12491.	7.3	62
24	A head-to-head comparison of ⁶⁸ Ga-DOTA-FAPI-04 and ¹⁸ F-FDG PET/MR in patients with nasopharyngeal carcinoma: a prospective study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 3228-3237.	3.3	62
25	DNA nanomaterials for preclinical imaging and drug delivery. <i>Journal of Controlled Release</i> , 2016, 239, 27-38.	4.8	57
26	Nanomedicines for Renal Management: From Imaging to Treatment. <i>Accounts of Chemical Research</i> , 2020, 53, 1869-1880.	7.6	57
27	Intrathecal Administration of Nanoclusters for Protecting Neurons against Oxidative Stress in Cerebral Ischemia/Reperfusion Injury. <i>ACS Nano</i> , 2019, 13, 13382-13389.	7.3	53
28	Aptamer-Conjugated Framework Nucleic Acids for the Repair of Cerebral Ischemia-Reperfusion Injury. <i>Nano Letters</i> , 2019, 19, 7334-7341.	4.5	51
29	Radiolabeled polyoxometalate clusters: Kidney dysfunction evaluation and tumor diagnosis by positron emission tomography imaging. <i>Biomaterials</i> , 2018, 171, 144-152.	5.7	42
30	CD146-Targeted Multimodal Image-Guided Photoimmunotherapy of Melanoma. <i>Advanced Science</i> , 2019, 6, 1801237.	5.6	42
31	Constructing Higher-Order DNA Nanoarchitectures with Highly Purified DNA Nanocages. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13174-13179.	4.0	37
32	Chelator-Free Labeling of Metal Oxide Nanostructures with Zirconium-89 for Positron Emission Tomography Imaging. <i>ACS Nano</i> , 2017, 11, 12193-12201.	7.3	34
33	Noninvasive Imaging and Quantification of Radiotherapy-Induced PD-L1 Upregulation with ⁸⁹ Zr- ⁶⁸ Ga-Atezolizumab. <i>Bioconjugate Chemistry</i> , 2019, 30, 1434-1441.	1.8	34
34	Efficient renal clearance of DNA tetrahedron nanoparticles enables quantitative evaluation of kidney function. <i>Nano Research</i> , 2019, 12, 637-642.	5.8	34
35	Prevention of Hepatic Ischemia-Reperfusion Injury by Carbohydrate-Derived Nanoantioxidants. <i>Nano Letters</i> , 2020, 20, 6510-6519.	4.5	32
36	Radiolabeled pertuzumab for imaging of human epidermal growth factor receptor 2 expression in ovarian cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 1296-1305.	3.3	31

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37	ImmunoPET imaging of CD38 in murine lymphoma models using ⁸⁹ Zr-labeled daratumumab. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1372-1381.	3.3	30
38	Ultrasmall Porous Silica Nanoparticles with Enhanced Pharmacokinetics for Cancer Theranostics. <i>Nano Letters</i> , 2021, 21, 4692-4699.	4.5	30
39	Extracellular vesicles-based pre-targeting strategy enables multi-modal imaging of orthotopic colon cancer and image-guided surgery. <i>Journal of Nanobiotechnology</i> , 2021, 19, 151.	4.2	29
40	Synthesis and evaluation of ¹⁸ F-labeled bile acid compound: A potential PET imaging agent for FXR-related diseases. <i>Nuclear Medicine and Biology</i> , 2014, 41, 495-500.	0.3	28
41	CD38 as a PET Imaging Target in Lung Cancer. <i>Molecular Pharmaceutics</i> , 2017, 14, 2400-2406.	2.3	25
42	ImmunoPET for assessing the differential uptake of a CD146-specific monoclonal antibody in lung cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 2169-2179.	3.3	23
43	[^{nat} / ₄₄ Sc(pypa)] ⁺ : Thermodynamic Stability, Radiolabeling, and Biodistribution of a Prostate-Specific-Membrane-Antigen-Targeting Conjugate. <i>Inorganic Chemistry</i> , 2020, 59, 1985-1995.	1.9	23
44	Advances in aptamer-based nuclear imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 2544-2559.	3.3	23
45	Chirality-Driven Transportation and Oxidation Prevention by Chiral Selenium Nanoparticles. <i>Angewandte Chemie</i> , 2020, 132, 4436-4444.	1.6	22
46	Tissue Factor-Targeted ImmunoPET Imaging and Radioimmunotherapy of Anaplastic Thyroid Cancer. <i>Advanced Science</i> , 2020, 7, 1903595.	5.6	22
47	Noninvasive Evaluation of CD20 Expression Using ⁶⁴ Cu-Labeled F(ab ₂) ² Fragments of Obinutuzumab in Lymphoma. <i>Journal of Nuclear Medicine</i> , 2021, 62, 372-378.	2.8	21
48	Radionuclide-based molecular imaging allows CAR-T cellular visualization and therapeutic monitoring. <i>Theranostics</i> , 2021, 11, 6800-6817.	4.6	21
49	Spherical nucleic acids: Organized nucleotide aggregates as versatile nanomedicine. <i>Aggregate</i> , 2022, 3, e120.	5.2	21
50	CD38-Targeted Theranostics of Lymphoma with ⁸⁹ Zr/ ¹⁷⁷ Lu-Labeled Daratumumab. <i>Advanced Science</i> , 2021, 8, 2001879.	5.6	20
51	Intracellular signaling pathway in dendritic cells and antigen transport pathway in vivo mediated by an OVA@DDAB/PLGA nano-vaccine. <i>Journal of Nanobiotechnology</i> , 2021, 19, 394.	4.2	20
52	Noninvasive Trafficking of Brentuximab Vedotin and PET Imaging of CD30 in Lung Cancer Murine Models. <i>Molecular Pharmaceutics</i> , 2018, 15, 1627-1634.	2.3	19
53	⁸⁶ / ⁹⁰ Y-Based Theranostics Targeting Angiogenesis in a Murine Breast Cancer Model. <i>Molecular Pharmaceutics</i> , 2018, 15, 2606-2613.	2.3	19
54	⁸⁶ / ⁹⁰ Y-Labeled Monoclonal Antibody Targeting Tissue Factor for Pancreatic Cancer Theranostics. <i>Molecular Pharmaceutics</i> , 2020, 17, 1697-1705.	2.3	19

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55	Escherichiacoli Nissle 1917 as a Novel Microrobot for Tumor-Targeted Imaging and Therapy. <i>Pharmaceutics</i> , 2021, 13, 1226.	2.0	19
56	Antibody and fragment-based PET imaging of CTLA-4+ T-cells in humanized mouse models. <i>American Journal of Cancer Research</i> , 2019, 9, 53-63.	1.4	19
57	Radiolabeling of DNA Bipyramid and Preliminary Biological Evaluation in Mice. <i>Bioconjugate Chemistry</i> , 2016, 27, 905-910.	1.8	18
58	ImmunoPET of trophoblast cell-surface antigen 2 (Trop-2) expression in pancreatic cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 861-870.	3.3	18
59	Targeting angiogenesis for radioimmunotherapy with a ¹⁷⁷ Lu-labeled antibody. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 123-131.	3.3	17
60	Nanostructured polyvinylpyrrolidone-curcumin conjugates allowed for kidney-targeted treatment of cisplatin induced acute kidney injury. <i>Bioactive Materials</i> , 2023, 19, 282-291.	8.6	17
61	Multi-antitumor therapy and synchronous imaging monitoring based on exosome. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 2668-2681.	3.3	16
62	ImmunoPET Imaging of CD146 in Murine Models of Intrapulmonary Metastasis of Non-Small Cell Lung Cancer. <i>Molecular Pharmaceutics</i> , 2017, 14, 3239-3247.	2.3	15
63	A Switchable Site-Specific Antibody Conjugate. <i>ACS Chemical Biology</i> , 2018, 13, 958-964.	1.6	15
64	Salinomycin nanocrystals for colorectal cancer treatment through inhibition of Wnt/ β 2-catenin signaling. <i>Nanoscale</i> , 2020, 12, 19931-19938.	2.8	15
65	Development and characterization of CD54-targeted immunoPET imaging in solid tumors. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2765-2775.	3.3	15
66	Conductive nanocomposite hydrogel and mesenchymal stem cells for the treatment of myocardial infarction and non-invasive monitoring via PET/CT. <i>Journal of Nanobiotechnology</i> , 2022, 20, 211.	4.2	15
67	ImmunoPET/NIRF/Cerenkov multimodality imaging of ICAM-1 in pancreatic ductal adenocarcinoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2737-2748.	3.3	14
68	Nectin-4-targeted immunoSPECT/CT imaging and photothermal therapy of triple-negative breast cancer. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	14
69	Fluorine-18 labeling by click chemistry: Multiple probes in one pot. <i>Applied Radiation and Isotopes</i> , 2013, 75, 64-70.	0.7	13
70	ImmunoPET of CD146 in Orthotopic and Metastatic Breast Cancer Models. <i>Bioconjugate Chemistry</i> , 2021, 32, 1306-1314.	1.8	13
71	ImmunoPET Imaging of TIM β 3 in Murine Melanoma Models. <i>Advanced Therapeutics</i> , 2020, 3, 2000018.	1.6	12
72	⁶⁴ Cu-labeled daratumumab F(ab ϵ) ₂ fragment enables early visualization of CD38-positive lymphoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 1470-1481.	3.3	12

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73	Minimizing adverse effects of Cerenkov radiation induced photodynamic therapy with transformable photosensitizer-loaded nanovesicles. <i>Journal of Nanobiotechnology</i> , 2022, 20, 203.	4.2	12
74	Dual-labeled pertuzumab for multimodality image-guided ovarian tumor resection. <i>American Journal of Cancer Research</i> , 2019, 9, 1454-1468.	1.4	11
75	Radiolabeling of RGD peptide and preliminary biological evaluation in mice bearing U87MG tumors. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 3850-3855.	1.4	10
76	HER2-targeted multimodal imaging of anaplastic thyroid cancer. <i>American Journal of Cancer Research</i> , 2019, 9, 2413-2427.	1.4	10
77	ImmunoPET imaging of CD38 expression in hepatocellular carcinoma using Cu-labeled daratumumab. <i>American Journal of Translational Research (discontinued)</i> , 2019, 11, 6007-6015.	0.0	8
78	Multifunctional flexible contact lens for eye health monitoring using inorganic magnetic oxide nanosheets. <i>Journal of Nanobiotechnology</i> , 2022, 20, 202.	4.2	8
79	Framework Nucleic Acids in Nuclear Medicine Imaging: Shedding Light on Nano-Bio Interactions. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	7
80	Immuno-PET imaging of VEGFR-2 expression in prostate cancer with Zr-labeled ramucirumab. <i>American Journal of Cancer Research</i> , 2019, 9, 2037-2046.	1.4	7
81	Spatiotemporal Distribution of Agrin after Intrathecal Injection and Its Protective Role in Cerebral Ischemia/Reperfusion Injury. <i>Advanced Science</i> , 2020, 7, 1902600.	5.6	5
82	Incremental Value of Left Ventricular Mechanical Dyssynchrony Assessment by Nitrogen-13 Ammonia ECG-Gated PET in Patients With Coronary Artery Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 719565.	1.1	3
83	Mapping COVID-19 with nuclear imaging: from infection to functional sequelae. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 11, 59-63.	1.0	3
84	Labeling of Erythrocytes by Porphyrin-Phospholipid. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2000013.	1.7	2
85	Framework Nucleic Acids in Nuclear Medicine Imaging: shedding light on nano-bio interactions. <i>Angewandte Chemie</i> , 0, , .	1.6	2
86	New wine in old bottles: Ga-PSMA-11 PET/CT reveals COVID-19 in patients with prostate cancer. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 11, 332-336.	1.0	2
87	Frontispiece: Chirality-Driven Transportation and Oxidation Prevention by Chiral Selenium Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2020, 59, .	7.2	1
88	Visualizing Cytokeratin-14 Levels in Basal-Like Breast Cancer via ImmunoSPECT Imaging. <i>Molecular Pharmaceutics</i> , 2022, 19, 3542-3550.	2.3	1
89	Frontispiz: Chirality-Driven Transportation and Oxidation Prevention by Chiral Selenium Nanoparticles. <i>Angewandte Chemie</i> , 2020, 132, .	1.6	0
90	High-performance renal imaging with a radiolabeled, non-excretable chimeric fusion protein. <i>Theranostics</i> , 2021, 11, 9177-9179.	4.6	0

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91	[18F]F-ET-OTSSP167 Targets Maternal Embryo Leucine Zipper Kinase for PET Imaging of Triple-Negative Breast Cancer. <i>Molecular Pharmaceutics</i> , 2021, 18, 3544-3552.	2.3	0
92	é~ç »åä°æ¢è%²è°±åœ·DNAç³ç±³ç»“æž,,ç°-ä,çš,,å°”ç””. <i>Scientia Sinica Chimica</i> , 2015, 45, 1220-1225.	0.2	0
93	ImmunoPET of the differential expression of CD146 in breast cancer. <i>American Journal of Cancer Research</i> , 2021, 11, 1586-1599.	1.4	0
94	Glomerular filtration rate calculation based on Ga-EDTA dynamic renal PET.. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 12, 54-62.	1.0	0