Weibo Cai

List of Publications by Year
in descending order

386 papers	33,199 citations	3334 91 h-index	5120 166 g-index
394 all docs	394 docs citations	394 times ranked	33390 citing authors

#	Article	IF	Citations
1	In vivo biodistribution and highly efficient tumour targeting of carbon nanotubes in mice. Nature Nanotechnology, 2007, 2, 47-52.	31.5	1,384
2	Nanozyme: new horizons for responsive biomedical applications. Chemical Society Reviews, 2019, 48, 3683-3704.	38.1	1,101
3	Circulation and long-term fate of functionalized, biocompatible single-walled carbon nanotubes in mice probed by Raman spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1410-1415.	7.1	1,037
4	Peptide-Labeled Near-Infrared Quantum Dots for Imaging Tumor Vasculature in Living Subjects. Nano Letters, 2006, 6, 669-676.	9.1	905
5	Applications of gold nanoparticles in cancer nanotechnology. Nanotechnology, Science and Applications, 2008, Volume 1, 17-32.	4.6	652
6	Nanoplatforms for Targeted Molecular Imaging in Living Subjects. Small, 2007, 3, 1840-1854.	10.0	558
7	Multimodality Molecular Imaging of Tumor Angiogenesis. Journal of Nuclear Medicine, 2008, 49, 113S-128S.	5.0	497
8	Biomedical Applications of Zinc Oxide Nanomaterials. Current Molecular Medicine, 2013, 13, 1633-1645.	1.3	495
9	Graphene: a versatile nanoplatform for biomedical applications. Nanoscale, 2012, 4, 3833.	5.6	478
10	Iron Oxide Decorated MoS₂ Nanosheets with Double PEGylation for Chelator-Free Radiolabeling and Multimodal Imaging Guided Photothermal Therapy. ACS Nano, 2015, 9, 950-960.	14.6	460
11	cRGD-functionalized, DOX-conjugated, and 64Cu-labeled superparamagnetic iron oxide nanoparticles for targeted anticancer drug delivery and PET/MR imaging. Biomaterials, 2011, 32, 4151-4160.	11.4	410
12	Dual-Function Probe for PET and Near-Infrared Fluorescence Imaging of Tumor Vasculature. Journal of Nuclear Medicine, 2007, 48, 1862-1870.	5.0	400
13	NanoLuc: A Small Luciferase Is Brightening Up the Field of Bioluminescence. Bioconjugate Chemistry, 2016, 27, 1175-1187.	3.6	383
14	Non-invasive multimodal functional imaging of the intestine with frozen micellar naphthalocyanines. Nature Nanotechnology, 2014, 9, 631-638.	31.5	382
15	Synthesis and Biomedical Applications of Copper Sulfide Nanoparticles: From Sensors to Theranostics. Small, 2014, 10, 631-645.	10.0	380
16	Theranostic Liposomes with Hypoxia-Activated Prodrug to Effectively Destruct Hypoxic Tumors Post-Photodynamic Therapy. ACS Nano, 2017, 11, 927-937.	14.6	358
17	Engineering of inorganic nanoparticles as magnetic resonance imaging contrast agents. Chemical Society Reviews, 2017, 46, 7438-7468.	38.1	358
18	In Vivo Targeting and Imaging of Tumor Vasculature with Radiolabeled, Antibody-Conjugated Nanographene. ACS Nano, 2012, 6, 2361-2370.	14.6	318

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19	In Vivo Tumor Targeting and Image-Guided Drug Delivery with Antibody-Conjugated, Radiolabeled Mesoporous Silica Nanoparticles. ACS Nano, 2013, 7, 9027-9039.	14.6	314
20	DNA origami nanostructures can exhibit preferential renal uptake and alleviate acute kidney injury. Nature Biomedical Engineering, 2018, 2, 865-877.	22.5	297
21	Scintillating Nanoparticles as Energy Mediators for Enhanced Photodynamic Therapy. ACS Nano, 2016, 10, 3918-3935.	14.6	296
22	Preparation and functionalization of graphene nanocomposites for biomedical applications. Nature Protocols, 2013, 8, 2392-2403.	12.0	284
23	ImmunoPET: Concept, Design, and Applications. Chemical Reviews, 2020, 120, 3787-3851.	47.7	263
24	Effective weight control via an implanted self-powered vagus nerve stimulation device. Nature Communications, 2018, 9, 5349.	12.8	242
25	Theranostic Nanoparticles. Journal of Nuclear Medicine, 2014, 55, 1919-1922.	5.0	235
26	Molecular imaging and therapy of cancer with radiolabeled nanoparticles. Nano Today, 2009, 4, 399-413.	11.9	234
27	Effective Wound Healing Enabled by Discrete Alternative Electric Fields from Wearable Nanogenerators. ACS Nano, 2018, 12, 12533-12540.	14.6	234
28	Quantitative PET of EGFR expression in xenograft-bearing mice using 64Cu-labeled cetuximab, a chimeric anti-EGFR monoclonal antibody. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 850-858.	6.4	231
29	Preparation of peptide-conjugated quantum dots for tumor vasculature-targeted imaging. Nature Protocols, 2008, 3, 89-96.	12.0	228
30	Quantitative PET imaging of tumor integrin alphavbeta3 expression with 18F-FRGD2. Journal of Nuclear Medicine, 2006, 47, 113-21.	5.0	228
31	64Cu-Labeled Tetrameric and Octameric RGD Peptides for Small-Animal PET of Tumor ÂvÂ3 Integrin Expression. Journal of Nuclear Medicine, 2007, 48, 1162-1171.	5.0	227
32	FeSe₂â€Decorated Bi₂Se₃ Nanosheets Fabricated via Cation Exchange for Chelatorâ€Free ⁶⁴Cuâ€Labeling and Multimodal Imageâ€Guided Photothermalâ€Radiation Therapy. Advanced Functional Materials, 2016, 26, 2185-2197.	14.9	225
33	Multifunctional unimolecular micelles for cancer-targeted drug delivery and positron emission tomography imaging. Biomaterials, 2012, 33, 3071-3082.	11.4	224
34	HaloTag Technology: A Versatile Platform for Biomedical Applications. Bioconjugate Chemistry, 2015, 26, 975-986.	3.6	224
35	Anti-Angiogenic Cancer Therapy Based on Integrin Î±vÎ²3 Antagonism. Anti-Cancer Agents in Medicinal Chemistry, 2006, 6, 407-428.	1.7	222
36	Biodegradable and Renal Clearable Inorganic Nanoparticles. Advanced Science, 2016, 3, 1500223.	11.2	220

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37	Nanobody: The â€œMagic Bulletâ€•for Molecular Imaging?. Theranostics, 2014, 4, 386-398.	10.0	219
38	PET of vascular endothelial growth factor receptor expression. Journal of Nuclear Medicine, 2006, 47, 2048-56.	5.0	217
39	CARM1 Methylates Chromatin Remodeling Factor BAF155 to Enhance Tumor Progression and Metastasis. Cancer Cell, 2014, 25, 21-36.	16.8	215
40	Cancer-Targeted Optical Imaging with Fluorescent Zinc Oxide Nanowires. Nano Letters, 2011, 11, 3744-3750.	9.1	199
41	Scavenging of reactive oxygen and nitrogen species with nanomaterials. Nano Research, 2018, 11, 4955-4984.	10.4	199
42	Imaging of Integrins as Biomarkers for Tumor Angiogenesis. Current Pharmaceutical Design, 2008, 14, 2943-2973.	1.9	198
43	InÂvivo targeting and positron emission tomography imaging of tumor vasculature with 66Ga-labeled nano-graphene. Biomaterials, 2012, 33, 4147-4156.	11.4	197
44	How molecular imaging is speeding up antiangiogenic drug development. Molecular Cancer Therapeutics, 2006, 5, 2624-2633.	4.1	192
45	In vitro and In vivo Characterization of 64Cu-Labeled AbegrinTM, a Humanized Monoclonal Antibody against Integrin Î±vÎ²3. Cancer Research, 2006, 66, 9673-9681.	0.9	192
46	Dual-modality optical and positron emission tomography imaging of vascular endothelial growth factor receptor on tumor vasculature using quantum dots. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 2235-2244.	6.4	189
47	Hexamodal Imaging with Porphyrinâ€Phospholipidâ€Coated Upconversion Nanoparticles. Advanced Materials, 2015, 27, 1785-1790.	21.0	189
48	Positron Emission Tomography Imaging Using Radiolabeled Inorganic Nanomaterials. Accounts of Chemical Research, 2015, 48, 286-294.	15.6	188
49	Molybdenum-based nanoclusters act as antioxidants and ameliorate acute kidney injury in mice. Nature Communications, 2018, 9, 5421.	12.8	184
50	Are quantum dots ready for inÂvivo imaging in human subjects?. Nanoscale Research Letters, 2007, 2, 265-281.	5.7	178
51	Engineering of Hollow Mesoporous Silica Nanoparticles for Remarkably Enhanced Tumor Active Targeting Efficacy. Scientific Reports, 2014, 4, 5080.	3.3	176
52	Comparison of the Superagonist Complex, ALT-803, to IL15 as Cancer Immunotherapeutics in Animal Models. Cancer Immunology Research, 2016, 4, 49-60.	3.4	176
53	Gold Nanorods Conjugated with Doxorubicin and cRGD for Combined Anticancer Drug Delivery and PET Imaging. Theranostics, 2012, 2, 757-768.	10.0	175
54	Activatable Hybrid Nanotheranostics for Tetramodal Imaging and Synergistic Photothermal/Photodynamic Therapy. Advanced Materials, 2018, 30, 1704367.	21.0	165

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55	Intrinsically Germaniumâ€69â€Labeled Iron Oxide Nanoparticles: Synthesis and Inâ€Vivo Dualâ€Modality PET/MR Imaging. Advanced Materials, 2014, 26, 5119-5123.	21.0	158
56	In Vivo Tumor Vasculature Targeting of CuS@MSN Based Theranostic Nanomedicine. ACS Nano, 2015, 9, 3926-3934.	14.6	155
57	Positron emission tomography and nanotechnology: A dynamic duo for cancer theranostics. Advanced Drug Delivery Reviews, 2017, 113, 157-176.	13.7	153
58	Preclinical Pharmacokinetics and Biodistribution Studies of ⁸⁹Zr-Labeled Pembrolizumab. Journal of Nuclear Medicine, 2017, 58, 162-168.	5.0	152
59	Ceria Nanoparticles Meet Hepatic Ischemiaâ€Reperfusion Injury: The Perfect Imperfection. Advanced Materials, 2019, 31, e1902956.	21.0	150
60	Tumor vasculature targeting and imaging in living mice with reduced graphene oxide. Biomaterials, 2013, 34, 3002-3009.	11.4	149
61	Magnetic Targeting of Nanotheranostics Enhances Cerenkov Radiation-Induced Photodynamic Therapy. Journal of the American Chemical Society, 2018, 140, 14971-14979.	13.7	148
62	Biocompatibility and in vivo operation of implantable mesoporous PVDF-based nanogenerators. Nano Energy, 2016, 27, 275-281.	16.0	141
63	Molecular imaging with single-walled carbon nanotubes. Nano Today, 2009, 4, 252-261.	11.9	139
64	PET Tracers Based on Zirconium-89. Current Radiopharmaceuticals, 2011, 4, 131-139.	0.8	137
65	Cerenkov Radiation Induced Photodynamic Therapy Using Chlorin e6-Loaded Hollow Mesoporous Silica Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 26630-26637.	8.0	136
66	In Vivo Integrity and Biological Fate of Chelator-Free Zirconium-89-Labeled Mesoporous Silica Nanoparticles. ACS Nano, 2015, 9, 7950-7959.	14.6	135
67	Bioresponsive Polyoxometalate Cluster for Redox-Activated Photoacoustic Imaging-Guided Photothermal Cancer Therapy. Nano Letters, 2017, 17, 3282-3289.	9.1	135
68	Bacteria-like mesoporous silica-coated gold nanorods for positron emission tomography and photoacoustic imaging-guided chemo-photothermal combined therapy. Biomaterials, 2018, 165, 56-65.	11.4	134
69	Wafer-scale heterostructured piezoelectric bio-organic thin films. Science, 2021, 373, 337-342.	12.6	129
70	A thiol-reactive 18F-labeling agent, N-[2-(4-18F-fluorobenzamido)ethyl]maleimide, and synthesis of RGD peptide-based tracer for PET imaging of alpha v beta 3 integrin expression. Journal of Nuclear Medicine, 2006, 47, 1172-80.	5.0	124
71	microPET of Tumor Integrin ÂvÂ3 Expression Using 18F-Labeled PEGylated Tetrameric RGD Peptide (18F-FPRGD4). Journal of Nuclear Medicine, 2007, 48, 1536-1544.	5.0	120
72	Chelatorâ€Free Synthesis of a Dualâ€Modality PET/MRI Agent. Angewandte Chemie - International Edition, 2013, 52, 13319-13323.	13.8	120

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73	18F-labeled mini-PEG spacered RGD dimer (18F-FPRGD2): synthesis and microPET imaging of Î±vÎ²3 integrin expression. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 1823-1831.	6.4	119
74	VEGF₁₂₁-Conjugated Mesoporous Silica Nanoparticle: A Tumor Targeted Drug Delivery System. ACS Applied Materials & Interfaces, 2014, 6, 21677-21685.	8.0	118
75	18F-labeled bombesin analogs for targeting GRP receptor-expressing prostate cancer. Journal of Nuclear Medicine, 2006, 47, 492-501.	5.0	118
76	Big Potential from Small Agents: Nanoparticles for Imaging-Based Companion Diagnostics. ACS Nano, 2018, 12, 2106-2121.	14.6	117
77	Surface Engineering of Graphene-Based Nanomaterials for Biomedical Applications. Bioconjugate Chemistry, 2014, 25, 1609-1619.	3.6	116
78	A new PET tracer specific for vascular endothelial growth factor receptor 2. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 2001-2010.	6.4	114
79	Renalâ€Clearable PEGylated Porphyrin Nanoparticles for Imageâ€Guided Photodynamic Cancer Therapy. Advanced Functional Materials, 2017, 27, 1702928.	14.9	113
80	A Melaninâ€Based Natural Antioxidant Defense Nanosystem for Theranostic Application in Acute Kidney Injury. Advanced Functional Materials, 2019, 29, 1904833.	14.9	111
81	Multimodality imaging of the HER-kinase axis in cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 186-208.	6.4	109
82	Harnessing the Power of Nanotechnology for Enhanced Radiation Therapy. ACS Nano, 2017, 11, 5233-5237.	14.6	109
83	Seleniumâ€Doped Carbon Quantum Dots Act as Broadâ€Spectrum Antioxidants for Acute Kidney Injury Management. Advanced Science, 2020, 7, 2000420.	11.2	109
84	Intrinsically Radiolabeled Nanoparticles: An Emerging Paradigm. Small, 2014, 10, 3825-3830.	10.0	106
85	Imaging with Raman Spectroscopy. Current Pharmaceutical Biotechnology, 2010, 11, 654-661.	1.6	104
86	Tumor-Targeted Drug Delivery with Aptamers. Current Medicinal Chemistry, 2011, 18, 4185-4194.	2.4	104
87	Near-Infrared Fluorescence Imaging of Tumor Integrin Î±vÎ²3 Expression with Cy7-Labeled RGD Multimers. Molecular Imaging and Biology, 2006, 8, 226-236.	2.6	102
88	Imaging of VEGF Receptor in a Rat Myocardial Infarction Model Using PET. Journal of Nuclear Medicine, 2008, 49, 667-673.	5.0	102
89	Positron Emission Tomography Imaging of CD105 Expression with a 64Cu-Labeled Monoclonal Antibody: NOTA Is Superior to DOTA. PLoS ONE, 2011, 6, e28005.	2.5	101
90	89Zr-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.	6.4	100

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91	Image-guided and tumor-targeted drug delivery with radiolabeled unimolecular micelles. Biomaterials, 2013, 34, 8323-8332.	11.4	98
92	Positron Emission Tomography Image-Guided Drug Delivery: Current Status and Future Perspectives. Molecular Pharmaceutics, 2014, 11, 3777-3797.	4.6	93
93	Molecular Imaging with SERSâ€Active Nanoparticles. Small, 2011, 7, 3261-3269.	10.0	92
94	Theranostic Unimolecular Micelles Based on Brush-Shaped Amphiphilic Block Copolymers for Tumor-Targeted Drug Delivery and Positron Emission Tomography Imaging. ACS Applied Materials & Interfaces, 2014, 6, 21769-21779.	8.0	92
95	PET imaging of colorectal cancer in xenograft-bearing mice by use of an 18F-labeled T84.66 anti-carcinoembryonic antigen diabody. Journal of Nuclear Medicine, 2007, 48, 304-10.	5.0	92
96	Collagen Mimetic Dendrimers. Journal of the American Chemical Society, 2002, 124, 15162-15163.	13.7	91
97	Radiotheranostics in Cancer Diagnosis and Management. Radiology, 2018, 286, 388-400.	7.3	91
98	In Vivo Tumor Vasculature Targeted PET/NIRF Imaging with TRC105(Fab)-Conjugated, Dual-Labeled Mesoporous Silica Nanoparticles. Molecular Pharmaceutics, 2014, 11, 4007-4014.	4.6	90
99	Ultra-small iron-gallic acid coordination polymer nanoparticles for chelator-free labeling of ⁶⁴Cu and multimodal imaging-guided photothermal therapy. Nanoscale, 2017, 9, 12609-12617.	5.6	90
100	Self-Activated Electrical Stimulation for Effective Hair Regeneration via a Wearable Omnidirectional Pulse Generator. ACS Nano, 2019, 13, 12345-12356.	14.6	90
101	Multimodality imaging of vascular endothelial growth factor and vascular endothelial growth factor receptor expression. Frontiers in Bioscience - Landmark, 2007, 12, 4267.	3.0	89
102	Dual-Modality Positron Emission Tomography/Optical Image-Guided Photodynamic Cancer Therapy with Chlorin e6-Containing Nanomicelles. ACS Nano, 2016, 10, 7721-7730.	14.6	88
103	Noninvasive PET Imaging of T cells. Trends in Cancer, 2018, 4, 359-373.	7.4	88
104	Molecular Imaging with Nucleic Acid Aptamers. Current Medicinal Chemistry, 2011, 18, 4195-4205.	2.4	87
105	⁴⁴Sc: An Attractive Isotope for Peptide-Based PET Imaging. Molecular Pharmaceutics, 2014, 11, 2954-2961.	4.6	87
106	Non-Invasive Cell Tracking in Cancer and Cancer Therapy. Current Topics in Medicinal Chemistry, 2010, 10, 1237-1248.	2.1	86
107	Reassembly of ⁸⁹Zrâ€Labeled Cancer Cell Membranes into Multicompartment Membraneâ€Derived Liposomes for PETâ€Trackable Tumorâ€Targeted Theranostics. Advanced Materials, 2018, 30, e1704934.	21.0	86
108	Biomedical applications of functionalized hollow mesoporous silica nanoparticles: focusing on molecular imaging. Nanomedicine, 2013, 8, 2027-2039.	3.3	85

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109	Efficient Uptake of ¹⁷⁷Luâ€Porphyrinâ€PEG Nanocomplexes by Tumor Mitochondria for Multimodalâ€Imagingâ€Guided Combination Therapy. Angewandte Chemie - International Edition, 2018, 57, 218-222.	13.8	85
110	Multimodality molecular imaging of glioblastoma growth inhibition with vasculature-targeting fusion toxin VEGF121/rGel. Journal of Nuclear Medicine, 2007, 48, 445-54.	5.0	85
111	Red Fluorescent Zinc Oxide Nanoparticle: A Novel Platform for Cancer Targeting. ACS Applied Materials & Interfaces, 2015, 7, 3373-3381.	8.0	84
112	ImmunoPET Imaging of CTLA-4 Expression in Mouse Models of Non-small Cell Lung Cancer. Molecular Pharmaceutics, 2017, 14, 1782-1789.	4.6	84
113	Plumbagin, a medicinal plant (lumbago zeylanica)â€derived 1,4â€naphthoquinone, inhibits growth and metastasis of human prostate cancer PCâ€3Mâ€luciferase cells in an orthotopic xenograft mouse model. Molecular Oncology, 2013, 7, 428-439.	4.6	82
114	Semiconductor Quantum Dots for <I>In Vivo</I> Imaging. Journal of Nanoscience and Nanotechnology, 2007, 7, 2567-2581.	0.9	80
115	⁵²Mn Production for PET/MRI Tracking Of Human Stem Cells Expressing Divalent Metal Transporter 1 (DMT1). Theranostics, 2015, 5, 227-239.	10.0	80
116	Hollow mesoporous silica nanoparticles for tumor vasculature targeting and PET image-guided drug delivery. Nanomedicine, 2015, 10, 1233-1246.	3.3	80
117	Integrin Î±vÎ²3-Targeted Radioimmunotherapy of Glioblastoma Multiforme. Clinical Cancer Research, 2008, 14, 7330-7339.	7.0	79
118	Quantitative radioimmunoPET imaging of EphA2 in tumor-bearing mice. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 2024-2036.	6.4	77
119	Positron emission tomography imaging of CD105 expression during tumor angiogenesis. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 1335-1343.	6.4	77
120	Molecular Imaging of Immunotherapy Targets in Cancer. Journal of Nuclear Medicine, 2016, 57, 1487-1492.	5.0	77
121	Radiolabeling Silica-Based Nanoparticles via Coordination Chemistry: Basic Principles, Strategies, and Applications. Accounts of Chemical Research, 2018, 51, 778-788.	15.6	77
122	Chiralityâ€Driven Transportation and Oxidation Prevention by Chiral Selenium Nanoparticles. Angewandte Chemie - International Edition, 2020, 59, 4406-4414.	13.8	77
123	Positron emission tomography imaging of CD105 expression with 89Zr-Df-TRC105. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 138-148.	6.4	75
124	Matching the Decay Half-Life with the Biological Half-Life: ImmunoPET Imaging with ⁴⁴Sc-Labeled Cetuximab Fab Fragment. Bioconjugate Chemistry, 2014, 25, 2197-2204.	3.6	74
125	Novel Preparation Methods of ⁵²Mn for ImmunoPET Imaging. Bioconjugate Chemistry, 2015, 26, 2118-2124.	3.6	74
126	Renal-Clearable Ultrasmall Coordination Polymer Nanodots for Chelator-Free ⁶⁴Cu-Labeling and Imaging-Guided Enhanced Radiotherapy of Cancer. ACS Nano, 2017, 11, 9103-9111.	14.6	73

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127	VEGFR targeting leads to significantly enhanced tumor uptake of nanographene oxide inÂvivo. Biomaterials, 2015, 39, 39-46.	11.4	72
128	Quantitative PET Imaging of VEGF Receptor Expression. Molecular Imaging and Biology, 2009, 11, 15-22.	2.6	71
129	A self-powered implantable and bioresorbable electrostimulation device for biofeedback bone fracture healing. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	71
130	Engineering Intrinsically Zirconiumâ€89 Radiolabeled Selfâ€Destructing Mesoporous Silica Nanostructures for In Vivo Biodistribution and Tumor Targeting Studies. Advanced Science, 2016, 3, 1600122.	11.2	70
131	Monitoring of the Biological Response to Murine Hindlimb Ischemia With ⁶⁴ Cu-Labeled Vascular Endothelial Growth Factor-121 Positron Emission Tomography. Circulation, 2008, 117, 915-922.	1.6	69
132	Tumor Vasculature Targeting: A Generally Applicable Approach for Functionalized Nanomaterials. Small, 2014, 10, 1887-1893.	10.0	69
133	A Novel Fusion of ALT-803 (Interleukin (IL)-15 Superagonist) with an Antibody Demonstrates Antigen-specific Antitumor Responses. Journal of Biological Chemistry, 2016, 291, 23869-23881.	3.4	68
134	Surfactantâ€Stripped Frozen Pheophytin Micelles for Multimodal Gut Imaging. Advanced Materials, 2016, 28, 8524-8530.	21.0	67
135	Study of long-term biocompatibility and bio-safety of implantable nanogenerators. Nano Energy, 2018, 51, 728-735.	16.0	67
136	Photoacoustic Imaging. Cold Spring Harbor Protocols, 2011, 2011, pdb.top065508.	0.3	66
137	Dynamic Positron Emission Tomography Imaging of Renal Clearable Gold Nanoparticles. Small, 2016, 12, 2775-2782.	10.0	66
138	Chelatorâ€Free Radiolabeling of Nanographene: Breaking the Stereotype of Chelation. Angewandte Chemie - International Edition, 2017, 56, 2889-2892.	13.8	65
139	PET imaging of acute and chronic inflammation in living mice. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 1832-1842.	6.4	63
140	Multimodality Imaging of Breast Cancer Experimental Lung Metastasis with Bioluminescence and a Monoclonal Antibody Dual-Labeled with ⁸⁹Zr and IRDye 800CW. Molecular Pharmaceutics, 2012, 9, 2339-2349.	4.6	63
141	Molecular Imaging of Pancreatic Cancer with Antibodies. Molecular Pharmaceutics, 2016, 13, 8-24.	4.6	62
142	Intrabilayer ⁶⁴Cu Labeling of Photoactivatable, Doxorubicin-Loaded Stealth Liposomes. ACS Nano, 2017, 11, 12482-12491.	14.6	62
143	Multimodality Imaging Agents with PET as the Fundamental Pillar. Angewandte Chemie - International Edition, 2019, 58, 2570-2579.	13.8	62
144	Selfâ€Amplified Photodynamic Therapy through the ¹O₂â€Mediated Internalization of Photosensitizers from a Ppaâ€Bearing Block Copolymer. Angewandte Chemie - International Edition, 2020, 59, 3711-3717.	13.8	62

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145	Re-assessing the enhanced permeability and retention effect in peripheral arterial disease using radiolabeled long circulating nanoparticles. Biomaterials, 2016, 100, 101-109.	11.4	61
146	Positron Emission Tomography and Near-Infrared Fluorescence Imaging of Vascular Endothelial Growth Factor with Dual-Labeled Bevacizumab. American Journal of Nuclear Medicine and Molecular Imaging, 2012, 2, 1-13.	1.0	61
147	Positron emission tomography imaging of prostate cancer. Amino Acids, 2010, 39, 11-27.	2.7	60
148	A porphyrin-PEG polymer with rapid renal clearance. Biomaterials, 2016, 76, 25-32.	11.4	60
149	Aptamers as Therapeutics in Cardiovascular Diseases. Current Medicinal Chemistry, 2011, 18, 4169-4174.	2.4	59
150	Quantum Dot-Based Nanoprobes for In Vivo Targeted Imaging. Current Molecular Medicine, 2013, 13, 1549-1567.	1.3	59
151	Long circulating reduced graphene oxideâ€“iron oxide nanoparticles for efficient tumor targeting and multimodality imaging. Nanoscale, 2016, 8, 12683-12692.	5.6	58
152	Applications of Aptamers in Targeted Imaging: State of the Art. Current Topics in Medicinal Chemistry, 2015, 15, 1138-1152.	2.1	58
153	Noninvasive De novo Imaging of Human Embryonic Stem Cellâ€“Derived Teratoma Formation. Cancer Research, 2009, 69, 2709-2713.	0.9	57
154	CD146-targeted immunoPET and NIRF Imaging of Hepatocellular Carcinoma with a Dual-Labeled Monoclonal Antibody. Theranostics, 2016, 6, 1918-1933.	10.0	57
155	DNA nanomaterials for preclinical imaging and drug delivery. Journal of Controlled Release, 2016, 239, 27-38.	9.9	57
156	Nanomedicines for Renal Management: From Imaging to Treatment. Accounts of Chemical Research, 2020, 53, 1869-1880.	15.6	57
157	A highly hemocompatible erythrocyte membrane-coated ultrasmall selenium nanosystem for simultaneous cancer radiosensitization and precise antiangiogenesis. Journal of Materials Chemistry B, 2018, 6, 4756-4764.	5.8	56
158	Multimodality tumor imaging targeting integrin Î±_vÎ²₃. BioTechniques, 2005, 39, S14-S25.	1.8	55
159	Imaging of Abdominal Aortic Aneurysm: The Present and the Future. Current Vascular Pharmacology, 2010, 8, 808-819.	1.7	55
160	Smart H₂Sâ€Triggered/Therapeutic System (SHTS)â€Based Nanomedicine. Advanced Science, 2019, 6, 1901724.	11.2	55
161	Noninvasive brain cancer imaging with a bispecific antibody fragment, generated via click chemistry. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12806-12811.	7.1	54
162	Targeting CD146 with a ⁶⁴ Cu-labeled antibody enables in vivo immunoPET imaging of high-grade gliomas. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6525-34.	7.1	54

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163	Implanted Battery-Free Direct-Current Micro-Power Supply from in Vivo Breath Energy Harvesting. ACS Applied Materials & Interfaces, 2018, 10, 42030-42038.	8.0	54
164	Vascular Endothelial Growth Factor and Vascular Endothelial Growth Factor Receptor Inhibitors as Anti-Angiogenic Agents in Cancer Therapy. Recent Patents on Anti-Cancer Drug Discovery, 2007, 2, 59-71.	1.6	53
165	Integrin-targeted imaging and therapy with RGD4C-TNF fusion protein. Molecular Cancer Therapeutics, 2008, 7, 1044-1053.	4.1	53
166	Multimodality Imaging of Integrin Î±_vÎ²₃ Expression. Theranostics, 2011, 1, 135-148.	10.0	53
167	Quantum dotâ€“NanoLuc bioluminescence resonance energy transfer enables tumor imaging and lymph node mapping in vivo. Chemical Communications, 2016, 52, 6997-7000.	4.1	53
168	Intrathecal Administration of Nanoclusters for Protecting Neurons against Oxidative Stress in Cerebral Ischemia/Reperfusion Injury. ACS Nano, 2019, 13, 13382-13389.	14.6	53
169	Integrin Î±vÎ²3 Antagonists for Anti-Angiogenic Cancer Treatment. Recent Patents on Anti-Cancer Drug Discovery, 2007, 2, 143-158.	1.6	52
170	Chelator-Free Labeling of Layered Double Hydroxide Nanoparticles for in Vivo PET Imaging. Scientific Reports, 2015, 5, 16930.	3.3	52
171	Multimodality imaging of nitric oxide and nitric oxide synthases. Free Radical Biology and Medicine, 2009, 47, 684-698.	2.9	51
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