

Willem J M Mulder

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1756343/willem-j-m-mulder-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

185
papers

13,349
citations

67
h-index

111
g-index

196
ext. papers

15,560
ext. citations

10.8
avg, IF

6.34
L-index

#	Paper	IF	Citations
185	Defining trained immunity and its role in health and disease. <i>Nature Reviews Immunology</i> , 2020 , 20, 375-388	38.5	587
184	Multifunctional gold nanoparticles for diagnosis and therapy of disease. <i>Molecular Pharmaceutics</i> , 2013 , 10, 831-47	5.6	496
183	Lipid-based nanoparticles for contrast-enhanced MRI and molecular imaging. <i>NMR in Biomedicine</i> , 2006 , 19, 142-64	4.4	468
182	Smart cancer nanomedicine. <i>Nature Nanotechnology</i> , 2019 , 14, 1007-1017	28.7	447
181	Quantum dots with a paramagnetic coating as a bimodal molecular imaging probe. <i>Nano Letters</i> , 2006 , 6, 1-6	11.5	439
180	Atherosclerotic plaque composition: analysis with multicolor CT and targeted gold nanoparticles. <i>Radiology</i> , 2010 , 256, 774-82	20.5	361
179	Perspectives and opportunities for nanomedicine in the management of atherosclerosis. <i>Nature Reviews Drug Discovery</i> , 2011 , 10, 835-52	64.1	281
178	Nanocrystal core high-density lipoproteins: a multimodality contrast agent platform. <i>Nano Letters</i> , 2008 , 8, 3715-23	11.5	277
177	Relation between resting amygdalar activity and cardiovascular events: a longitudinal and cohort study. <i>Lancet, The</i> , 2017 , 389, 834-845	40	269
176	A statin-loaded reconstituted high-density lipoprotein nanoparticle inhibits atherosclerotic plaque inflammation. <i>Nature Communications</i> , 2014 , 5, 3065	17.4	269
175	MR molecular imaging and fluorescence microscopy for identification of activated tumor endothelium using a bimodal lipidic nanoparticle. <i>FASEB Journal</i> , 2005 , 19, 2008-10	0.9	234
174	Nanoparticulate assemblies of amphiphiles and diagnostically active materials for multimodality imaging. <i>Accounts of Chemical Research</i> , 2009 , 42, 904-14	24.3	223
173	Nanotechnology in medical imaging: probe design and applications. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 992-1000	9.4	213
172	Improved biocompatibility and pharmacokinetics of silica nanoparticles by means of a lipid coating: a multimodality investigation. <i>Nano Letters</i> , 2008 , 8, 2517-25	11.5	204
171	MRI contrast agents: current status and future perspectives. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2007 , 7, 291-305	2.2	204
170	A liposomal system for contrast-enhanced magnetic resonance imaging of molecular targets. <i>Bioconjugate Chemistry</i> , 2004 , 15, 799-806	6.3	198
169	Therapeutic targeting of trained immunity. <i>Nature Reviews Drug Discovery</i> , 2019 , 18, 553-566	64.1	169

168	Multifunctional nanoemulsion platform for imaging guided therapy evaluated in experimental cancer. <i>ACS Nano</i> , 2011 , 5, 4422-33	16.7	162
167	Mass production and size control of lipid-polymer hybrid nanoparticles through controlled microvortices. <i>Nano Letters</i> , 2012 , 12, 3587-91	11.5	158
166	Targeted molecular probes for imaging atherosclerotic lesions with magnetic resonance using antibodies that recognize oxidation-specific epitopes. <i>Circulation</i> , 2008 , 117, 3206-15	16.7	157
165	The effect of nanoparticle polyethylene glycol surface density on ligand-directed tumor targeting studied in vivo by dual modality imaging. <i>ACS Nano</i> , 2012 , 6, 5648-58	16.7	156
164	Magnetic and fluorescent nanoparticles for multimodality imaging. <i>Nanomedicine</i> , 2007 , 2, 307-24	5.6	150
163	Modified natural nanoparticles as contrast agents for medical imaging. <i>Advanced Drug Delivery Reviews</i> , 2010 , 62, 329-38	18.5	148
162	Probing nanoparticle translocation across the permeable endothelium in experimental atherosclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1078-83	11.5	138
161	Inhibiting macrophage proliferation suppresses atherosclerotic plaque inflammation. <i>Science Advances</i> , 2015 , 1,	14.3	137
160	Paramagnetic lipid-coated silica nanoparticles with a fluorescent quantum dot core: a new contrast agent platform for multimodality imaging. <i>Bioconjugate Chemistry</i> , 2008 , 19, 2471-9	6.3	133
159	Imaging and nanomedicine in inflammatory atherosclerosis. <i>Science Translational Medicine</i> , 2014 , 6, 239sr1.5	11.5	131
158	Annexin A5-conjugated quantum dots with a paramagnetic lipidic coating for the multimodal detection of apoptotic cells. <i>Bioconjugate Chemistry</i> , 2006 , 17, 865-8	6.3	131
157	Multimodal clinical imaging to longitudinally assess a nanomedical anti-inflammatory treatment in experimental atherosclerosis. <i>Molecular Pharmaceutics</i> , 2010 , 7, 2020-9	5.6	128
156	Synergistic targeting of alphavbeta3 integrin and galectin-1 with heteromultivalent paramagnetic liposomes for combined MR imaging and treatment of angiogenesis. <i>Nano Letters</i> , 2010 , 10, 52-8	11.5	126
155	Molecular imaging of tumor angiogenesis using alphavbeta3-integrin targeted multimodal quantum dots. <i>Angiogenesis</i> , 2009 , 12, 17-24	10.6	121
154	PET Imaging of Tumor-Associated Macrophages with 89Zr-Labeled High-Density Lipoprotein Nanoparticles. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 1272-7	8.9	120
153	Molecular imaging of macrophages in atherosclerotic plaques using bimodal PEG-micelles. <i>Magnetic Resonance in Medicine</i> , 2007 , 58, 1164-70	4.4	120
152	Magnetic resonance imaging of vulnerable atherosclerotic plaques: current imaging strategies and molecular imaging probes. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 460-79	5.6	117
151	Relaxivity of liposomal paramagnetic MRI contrast agents. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2005 , 18, 186-92	2.8	117

150	Annexin A5-functionalized bimodal lipid-based contrast agents for the detection of apoptosis. <i>Bioconjugate Chemistry</i> , 2006 , 17, 741-9	6.3	108
149	Hyaluronan Nanoparticles Selectively Target Plaque-Associated Macrophages and Improve Plaque Stability in Atherosclerosis. <i>ACS Nano</i> , 2017 , 11, 5785-5799	16.7	103
148	Prednisolone-containing liposomes accumulate in human atherosclerotic macrophages upon intravenous administration. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 1039-46	6	97
147	High-density lipoprotein-based contrast agents for multimodal imaging of atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 169-76	9.4	97
146	Iron oxide core oil-in-water emulsions as a multifunctional nanoparticle platform for tumor targeting and imaging. <i>Biomaterials</i> , 2009 , 30, 6947-54	15.6	97
145	Augmenting drug-carrier compatibility improves tumour nanotherapy efficacy. <i>Nature Communications</i> , 2016 , 7, 11221	17.4	96
144	An ApoA-I mimetic peptide high-density-lipoprotein-based MRI contrast agent for atherosclerotic plaque composition detection. <i>Small</i> , 2008 , 4, 1437-44	11	96
143	Polyglucose nanoparticles with renal elimination and macrophage avidity facilitate PET imaging in ischaemic heart disease. <i>Nature Communications</i> , 2017 , 8, 14064	17.4	95
142	Inhibiting Inflammation with Myeloid Cell-Specific Nanobiologics Promotes Organ Transplant Acceptance. <i>Immunity</i> , 2018 , 49, 819-828.e6	32.3	95
141	Synthesis of polymer-lipid nanoparticles for image-guided delivery of dual modality therapy. <i>Bioconjugate Chemistry</i> , 2013 , 24, 1429-34	6.3	93
140	RGD peptide functionalized and reconstituted high-density lipoprotein nanoparticles as a versatile and multimodal tumor targeting molecular imaging probe. <i>FASEB Journal</i> , 2010 , 24, 1689-99	0.9	93
139	HDL-mimetic PLGA nanoparticle to target atherosclerosis plaque macrophages. <i>Bioconjugate Chemistry</i> , 2015 , 26, 443-51	6.3	92
138	Targeting CD40-Induced TRAF6 Signaling in Macrophages Reduces Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2018 , 71, 527-542	15.1	91
137	Single step reconstitution of multifunctional high-density lipoprotein-derived nanomaterials using microfluidics. <i>ACS Nano</i> , 2013 , 7, 9975-83	16.7	89
136	Atherosclerotic plaque targeting mechanism of long-circulating nanoparticles established by multimodal imaging. <i>ACS Nano</i> , 2015 , 9, 1837-47	16.7	89
135	Annexin A5-functionalized bimodal nanoparticles for MRI and fluorescence imaging of atherosclerotic plaques. <i>Bioconjugate Chemistry</i> , 2010 , 21, 1794-803	6.3	87
134	A fluorescent, paramagnetic and PEGylated gold/silica nanoparticle for MRI, CT and fluorescence imaging. <i>Contrast Media and Molecular Imaging</i> , 2010 , 5, 231-6	3.2	87
133	Trained immunity, tolerance, priming and differentiation: distinct immunological processes. <i>Nature Immunology</i> , 2021 , 22, 2-6	19.1	85

132	Paramagnetic and fluorescent liposomes for target-specific imaging and therapy of tumor angiogenesis. <i>Angiogenesis</i> , 2010 , 13, 161-73	10.6	84
131	Incorporation of an apoE-derived lipopeptide in high-density lipoprotein MRI contrast agents for enhanced imaging of macrophages in atherosclerosis. <i>Contrast Media and Molecular Imaging</i> , 2008 , 3, 233-42	3.2	77
130	Investigating supramolecular systems using Förster resonance energy transfer. <i>Chemical Society Reviews</i> , 2018 , 47, 7027-7044	58.5	76
129	Early in vivo assessment of angiostatic therapy efficacy by molecular MRI. <i>FASEB Journal</i> , 2007 , 21, 378-83	3.9	76
128	Immune cell screening of a nanoparticle library improves atherosclerosis therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E6731-E6740	11.5	75
127	Nonpharmacological lipoprotein apheresis reduces arterial inflammation in familial hypercholesterolemia. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 1418-26	15.1	74
126	Nanoreporter PET predicts the efficacy of anti-cancer nanotherapy. <i>Nature Communications</i> , 2016 , 7, 11838	17.4	73
125	A modular labeling strategy for in vivo PET and near-infrared fluorescence imaging of nanoparticle tumor targeting. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 1706-11	8.9	72
124	Monocytes and macrophages as nanomedicinal targets for improved diagnosis and treatment of disease. <i>Expert Review of Molecular Diagnostics</i> , 2013 , 13, 567-80	3.8	72
123	Quantum dot and Cy5.5 labeled nanoparticles to investigate lipoprotein biointeractions via Förster resonance energy transfer. <i>Nano Letters</i> , 2010 , 10, 5131-8	11.5	69
122	Cellular compartmentalization of internalized paramagnetic liposomes strongly influences both T1 and T2 relaxivity. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 1022-32	4.4	69
121	Protein-liposome conjugates using cysteine-lipids and native chemical ligation. <i>Bioconjugate Chemistry</i> , 2007 , 18, 590-6	6.3	68
120	Effect of open-label infusion of an apoA-I-containing particle (CER-001) on RCT and artery wall thickness in patients with FHA. <i>Journal of Lipid Research</i> , 2015 , 56, 703-712	6.3	67
119	In vivo characterization of a new abdominal aortic aneurysm mouse model with conventional and molecular magnetic resonance imaging. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 2522-30	15.1	67
118	Engineering of lipid-coated PLGA nanoparticles with a tunable payload of diagnostically active nanocrystals for medical imaging. <i>Chemical Communications</i> , 2012 , 48, 5835-7	5.8	66
117	Gold nanocrystal labeling allows low-density lipoprotein imaging from the subcellular to macroscopic level. <i>ACS Nano</i> , 2013 , 7, 9761-70	16.7	65
116	Collagen-specific peptide conjugated HDL nanoparticles as MRI contrast agent to evaluate compositional changes in atherosclerotic plaque regression. <i>JACC: Cardiovascular Imaging</i> , 2013 , 6, 373-84	8.4	63
115	Magnetic quantum dots for multimodal imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2009 , 1, 475-91	9.2	63

114	InVivo PET Imaging of HDL in Multiple Atherosclerosis Models. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 950-61	8.4	62
113	Efficacy and safety assessment of a TRAF6-targeted nanoimmunotherapy in atherosclerotic mice and non-human primates. <i>Nature Biomedical Engineering</i> , 2018 , 2, 279-292	19	60
112	Comparison of synthetic high density lipoprotein (HDL) contrast agents for MR imaging of atherosclerosis. <i>Bioconjugate Chemistry</i> , 2009 , 20, 937-43	6.3	60
111	The biological properties of iron oxide core high-density lipoprotein in experimental atherosclerosis. <i>Biomaterials</i> , 2011 , 32, 206-13	15.6	59
110	Imaging and quantifying the morphology of an organic-inorganic nanoparticle at the sub-nanometre level. <i>Nature Nanotechnology</i> , 2010 , 5, 538-44	28.7	57
109	High-relaxivity gadolinium-modified high-density lipoproteins as magnetic resonance imaging contrast agents. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 6283-9	3.4	56
108	Multifunctional imaging nanoprobos. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2010 , 2, 138-50	9.2	55
107	Liposome-enhanced MRI of neointimal lesions in the ApoE-KO mouse. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 1170-4	4.4	53
106	Imaging Macrophage and Hematopoietic Progenitor Proliferation in Atherosclerosis. <i>Circulation Research</i> , 2015 , 117, 835-45	15.7	52
105	Imaging systemic inflammatory networks in ischemic heart disease. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 1583-91	15.1	49
104	Diagnostic and therapeutic strategies for small abdominal aortic aneurysms. <i>Nature Reviews Cardiology</i> , 2011 , 8, 338-47	14.8	48
103	Imaging neuroinflammation after stroke: current status of cellular and molecular MRI strategies. <i>Cerebrovascular Diseases</i> , 2012 , 33, 392-402	3.2	48
102	Near-infrared fluorescence energy transfer imaging of nanoparticle accumulation and dissociation kinetics in tumor-bearing mice. <i>ACS Nano</i> , 2013 , 7, 10362-70	16.7	47
101	High-Density Lipoprotein Nanobiologics for Precision Medicine. <i>Accounts of Chemical Research</i> , 2018 , 51, 127-137	24.3	45
100	Multimodality nanotracers for cardiovascular applications. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2008 , 5 Suppl 2, S103-11		45
99	MRI of ICAM-1 upregulation after stroke: the importance of choosing the appropriate target-specific particulate contrast agent. <i>Molecular Imaging and Biology</i> , 2013 , 15, 411-22	3.8	43
98	Nanomediical Theranostics in Cardiovascular Disease. <i>Current Cardiovascular Imaging Reports</i> , 2012 , 5, 19-25	0.7	42
97	Magnetic resonance molecular imaging of thrombosis in an arachidonic acid mouse model using an activated platelet targeted probe. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 403-10	9.4	42

96	Trained Immunity-Promoting Nanobiologic Therapy Suppresses Tumor Growth and Potentiates Checkpoint Inhibition. <i>Cell</i> , 2020 , 183, 786-801.e19	56.2	42
95	Nanobody-Facilitated Multiparametric PET/MRI Phenotyping of Atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 2015-2026	8.4	42
94	HDL mimetic CER-001 targets atherosclerotic plaques in patients. <i>Atherosclerosis</i> , 2016 , 251, 381-388	3.1	40
93	Nanoparticle-Aided Characterization of Arterial Endothelial Architecture during Atherosclerosis Progression and Metabolic Therapy. <i>ACS Nano</i> , 2019 , 13, 13759-13774	16.7	39
92	Inorganic nanocrystals as contrast agents in MRI: synthesis, coating and introduction of multifunctionality. <i>NMR in Biomedicine</i> , 2013 , 26, 766-80	4.4	39
91	Morphology, binding behavior and MR-properties of paramagnetic collagen-binding liposomes. <i>Contrast Media and Molecular Imaging</i> , 2009 , 4, 81-8	3.2	39
90	Anginex-conjugated liposomes for targeting of angiogenic endothelial cells. <i>Bioconjugate Chemistry</i> , 2007 , 18, 785-90	6.3	39
89	Nanoparticles as magnetic resonance imaging contrast agents for vascular and cardiac diseases. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2011 , 3, 146-161	9.2	38
88	A systematic comparison of clinically viable nanomedicines targeting HMG-CoA reductase in inflammatory atherosclerosis. <i>Journal of Controlled Release</i> , 2017 , 262, 47-57	11.7	37
87	RAF/MEK/extracellular signal-related kinase pathway suppresses dendritic cell migration and traps dendritic cells in Langerhans cell histiocytosis lesions. <i>Journal of Experimental Medicine</i> , 2018 , 215, 319-336	16.6	36
86	In vivo imaging of enhanced leukocyte accumulation in atherosclerotic lesions in humans. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 1019-29	15.1	36
85	HDL as a contrast agent for medical imaging. <i>Clinical Lipidology</i> , 2009 , 4, 493-500		34
84	Nanomedicines for Endothelial Disorders. <i>Nano Today</i> , 2015 , 10, 759-776	17.9	33
83	Pharmaceutical development and preclinical evaluation of a GMP-grade anti-inflammatory nanotherapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 1133-40	6	32
82	A versatile and tunable coating strategy allows control of nanocrystal delivery to cell types in the liver. <i>Bioconjugate Chemistry</i> , 2011 , 22, 353-61	6.3	32
81	Trained immunity in organ transplantation. <i>American Journal of Transplantation</i> , 2020 , 20, 10-18	8.7	32
80	PET/MR Imaging of Malondialdehyde-Acetaldehyde Epitopes With a Human α Antibody Detects Clinically Relevant Atherothrombosis. <i>Journal of the American College of Cardiology</i> , 2018 , 71, 321-335	15.1	31
79	Imaging-assisted nanoimmunotherapy for atherosclerosis in multiple species. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	31

78	Quantum dots for multimodal molecular imaging of angiogenesis. <i>Angiogenesis</i> , 2010 , 13, 131-4	10.6	31
77	Monocyte and Macrophage Dynamics in the Cardiovascular System: JACC Macrophage in CVD Series (Part 3). <i>Journal of the American College of Cardiology</i> , 2018 , 72, 2198-2212	15.1	31
76	Tyrosine polyethylene glycol (PEG)-micelle magnetic resonance contrast agent for the detection of lipid rich areas in atherosclerotic plaque. <i>Magnetic Resonance in Medicine</i> , 2009 , 62, 1195-201	4.4	30
75	Improved magnetic resonance molecular imaging of tumor angiogenesis by avidin-induced clearance of nonbound bimodal liposomes. <i>Neoplasia</i> , 2008 , 10, 1459-69	6.4	30
74	Nanomedicine captures cardiovascular disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 801-2	9.4	30
73	Liposomal prednisolone promotes macrophage lipotoxicity in experimental atherosclerosis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 1463-70	6	30
72	Applying nanomedicine in maladaptive inflammation and angiogenesis. <i>Advanced Drug Delivery Reviews</i> , 2017 , 119, 143-158	18.5	29
71	Preparation and stability of lipid-coated nanocapsules of cisplatin: anionic phospholipid specificity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004 , 1663, 135-42	3.8	29
70	Tumor Targeting by Integrin-Specific Lipid Nanoparticles Occurs Phagocyte Hitchhiking. <i>ACS Nano</i> , 2020 , 14, 7832-7846	16.7	28
69	Contrast enhancement by differently sized paramagnetic MRI contrast agents in mice with two phenotypes of atherosclerotic plaque. <i>Contrast Media and Molecular Imaging</i> , 2011 , 6, 35-45	3.2	28
68	Neutrophil derived CSF1 induces macrophage polarization and promotes transplantation tolerance. <i>American Journal of Transplantation</i> , 2018 , 18, 1247-1255	8.7	26
67	Well-defined, multifunctional nanostructures of a paramagnetic lipid and a lipopeptide for macrophage imaging. <i>Journal of the American Chemical Society</i> , 2009 , 131, 406-7	16.4	26
66	Nanoimmunotherapy to treat ischaemic heart disease. <i>Nature Reviews Cardiology</i> , 2019 , 16, 21-32	14.8	26
65	Imaging the efficacy of anti-inflammatory liposomes in a rabbit model of atherosclerosis by non-invasive imaging. <i>Methods in Enzymology</i> , 2012 , 508, 211-28	1.7	24
64	Kinetics of avidin-induced clearance of biotinylated bimodal liposomes for improved MR molecular imaging. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 1444-56	4.4	24
63	Real-Time Monitoring of Nanoparticle Formation by FRET Imaging. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2923-2926	16.4	22
62	Near-Infrared Quantum Dot and Zr Dual-Labeled Nanoparticles for in Vivo Cerenkov Imaging. <i>Bioconjugate Chemistry</i> , 2017 , 28, 600-608	6.3	22
61	Nuclear imaging approaches facilitating nanomedicine translation. <i>Advanced Drug Delivery Reviews</i> , 2020 , 154-155, 123-141	18.5	22

60	Fluorescent nanoparticles for the accurate detection of drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2015 , 12, 1881-94	8	21
59	Three-dimensional dynamic contrast-enhanced MRI for the accurate, extensive quantification of microvascular permeability in atherosclerotic plaques. <i>NMR in Biomedicine</i> , 2015 , 28, 1304-14	4.4	21
58	Sonophore-enhanced nanoemulsions for optoacoustic imaging of cancer. <i>Chemical Science</i> , 2018 , 9, 5646-5657	9.4	21
57	Tumor angiogenesis phenotyping by nanoparticle-facilitated magnetic resonance and near-infrared fluorescence molecular imaging. <i>Neoplasia</i> , 2012 , 14, 964-73	6.4	20
56	Magnetic resonance molecular imaging contrast agents and their application in atherosclerosis. <i>Topics in Magnetic Resonance Imaging</i> , 2007 , 18, 409-17	2.3	20
55	Probing myeloid cell dynamics in ischaemic heart disease by nanotracer hot-spot imaging. <i>Nature Nanotechnology</i> , 2020 , 15, 398-405	28.7	20
54	Molecular MR Imaging of Collagen in Mouse Atherosclerosis by Using Paramagnetic CNA35 Micelles. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 2115-2125	2.3	18
53	Immune Checkpoint Inhibitor Therapy Aggravates T Cell-Driven Plaque Inflammation in Atherosclerosis. <i>JACC: CardioOncology</i> , 2020 , 2, 599-610	3.8	18
52	An iterative sparse deconvolution method for simultaneous multicolor F-MRI of multiple contrast agents. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 228-239	4.4	16
51	Antibody-Mediated Inhibition of CTLA4 Aggravates Atherosclerotic Plaque Inflammation and Progression in Hyperlipidemic Mice. <i>Cells</i> , 2020 , 9,	7.9	15
50	Synthesis and in vitro evaluation of a multifunctional and surface-switchable nanoemulsion platform. <i>Chemical Communications</i> , 2013 , 49, 9392-4	5.8	14
49	Periodicity in tumor vasculature targeting kinetics of ligand-functionalized nanoparticles studied by dynamic contrast enhanced magnetic resonance imaging and intravital microscopy. <i>Angiogenesis</i> , 2014 , 17, 93-107	10.6	14
48	An Zr-HDL PET Tracer Monitors Response to a CSF1R Inhibitor. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 433-436	8.9	14
47	Current and Emerging Preclinical Approaches for Imaging-Based Characterization of Atherosclerosis. <i>Molecular Imaging and Biology</i> , 2018 , 20, 869-887	3.8	14
46	Regulating trained immunity with nanomedicine. <i>Nature Reviews Materials</i> ,	73.3	13
45	Hydroxychloroquine Inhibits the Trained Innate Immune Response to Interferons. <i>Cell Reports Medicine</i> , 2020 , 1, 100146	18	13
44	Multimodal Positron Emission Tomography Imaging to Quantify Uptake of Zr-Labeled Liposomes in the Atherosclerotic Vessel Wall. <i>Bioconjugate Chemistry</i> , 2020 , 31, 360-368	6.3	12
43	Nanoemulsion-Based Delivery of Fluorescent PARP Inhibitors in Mouse Models of Small Cell Lung Cancer. <i>Bioconjugate Chemistry</i> , 2018 , 29, 3776-3782	6.3	12

42	Nanoclusters of iron oxide: effect of core composition on structure, biocompatibility, and cell labeling efficacy. <i>Bioconjugate Chemistry</i> , 2012 , 23, 941-50	6.3	11
41	Hybrid PET/MR Kernelised Expectation Maximisation Reconstruction for Improved Image-Derived Estimation of the Input Function from the Aorta of Rabbits. <i>Contrast Media and Molecular Imaging</i> , 2019 , 2019, 3438093	3.2	10
40	Reversible Electroporation-Mediated Liposomal Doxorubicin Delivery to Tumors Can Be Monitored With Zr-Labeled Reporter Nanoparticles. <i>Molecular Imaging</i> , 2018 , 17, 1536012117749726	3.7	10
39	Systems Biology and Noninvasive Imaging of Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, e1-8	9.4	10
38	Probing lipid coating dynamics of quantum dot core micelles via Förster resonance energy transfer. <i>Small</i> , 2014 , 10, 1163-70	11	10
37	Influence of cell-internalization on relaxometric, optical and compositional properties of targeted paramagnetic quantum dot micelles. <i>Contrast Media and Molecular Imaging</i> , 2011 , 6, 100-9	3.2	10
36	Targeting myeloperoxidase in inflammatory atherosclerosis. <i>European Heart Journal</i> , 2018 , 39, 3311-3319	3.5	10
35	The complex fate in plasma of gadolinium incorporated into high-density lipoproteins used for magnetic imaging of atherosclerotic plaques. <i>Bioconjugate Chemistry</i> , 2013 , 24, 1039-48	6.3	9
34	Science to practice: versatile method to track transplanted encapsulated islet cells with multiple imaging modalities. <i>Radiology</i> , 2011 , 258, 1-2	20.5	9
33	A modular approach toward producing nanotherapeutics targeting the innate immune system. <i>Science Advances</i> , 2021 , 7,	14.3	9
32	Cancer Immunotherapy: From local to global. <i>Nature Nanotechnology</i> , 2017 , 12, 840-841	28.7	7
31	Specific Binding of Liposomal Nanoparticles through Inverse Electron-Demand Diels-Alder Click Chemistry. <i>ChemistryOpen</i> , 2017 , 6, 615-619	2.3	7
30	Hybrid PET- and MR-driven attenuation correction for enhanced F-NaF and F-FDG quantification in cardiovascular PET/MR imaging. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 1126-1141	2.1	7
29	Imaging Cardiovascular and Lung Macrophages With the Positron Emission Tomography Sensor Cu-Macrin in Mice, Rabbits, and Pigs. <i>Circulation: Cardiovascular Imaging</i> , 2020 , 13, e010586	3.9	7
28	Prosaposin mediates inflammation in atherosclerosis. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	7
27	Real-Time Monitoring of Nanoparticle Formation by FRET Imaging. <i>Angewandte Chemie</i> , 2017 , 129, 2969-2972	3.2	6
26	Investigating the Cellular Specificity in Tumors of a Surface-Converting Nanoparticle by Multimodal Imaging. <i>Bioconjugate Chemistry</i> , 2017 , 28, 1413-1421	6.3	6
25	Atherosclerosis Immunoimaging by Positron Emission Tomography. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 865-873	9.4	6

24	Nanocrystal Core Lipoprotein Biomimetics for Imaging of Lipoproteins and Associated Diseases. <i>Current Cardiovascular Imaging Reports</i> , 2013 , 6, 45-54	0.7	6
23	Imaging-guided nanomedicine development. <i>Current Opinion in Chemical Biology</i> , 2021 , 63, 78-85	9.7	6
22	Integrating nanomedicine and imaging. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017 , 375,	3	5
21	High-density lipoprotein is a nanoparticle, but not all nanoparticles are high-density lipoprotein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E3548	11.5	5
20	Cardiovascular Immunotherapy and the Role of Imaging. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, e167-e171	9.4	4
19	A Comprehensive Procedure to Evaluate the In Vivo Performance of Cancer Nanomedicines. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	4
18	Modified lipoproteins as contrast agents for molecular imaging. <i>Future Lipidology</i> , 2007 , 2, 587-590		4
17	Development and Multiparametric Evaluation of Experimental Atherosclerosis in Rabbits. <i>Methods in Molecular Biology</i> , 2018 , 1816, 385-400	1.4	3
16	Conformational Changes in High-Density Lipoprotein Nanoparticles Induced by High Payloads of Paramagnetic Lipids. <i>ACS Omega</i> , 2016 , 1, 470-475	3.9	3
15	Multimodal imaging of bacterial-host interface in mice and piglets with endocarditis. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	1
14	Whole-Body Atherosclerosis Imaging by Positron Emission Tomography/Magnetic Resonance Imaging: From Mice to Nonhuman Primates. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 1123-1134	9.4	1
13	Ultra-high resolution, 3-dimensional magnetic resonance imaging of the atherosclerotic vessel wall at clinical 7T. <i>PLoS ONE</i> , 2020 , 15, e0241779	3.7	1
12	Diverse ultrastructural landscape of atherosclerotic endothelium. <i>Atherosclerosis</i> , 2021 , 339, 35-45	3.1	1
11	Embracing nanomaterials Interactions with the innate immune system. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021 , 13, e1719	9.2	1
10	Cyclic Arginine-Glycine-Aspartate-Decorated Lipid Nanoparticle Targeting toward Inflammatory Lesions Involves Hitchhiking with Phagocytes. <i>Advanced Science</i> , 2021 , 8, 2100370	13.6	1
9	Employing nanobodies for immune landscape profiling by PET imaging in mice. <i>STAR Protocols</i> , 2021 , 2, 100434	1.4	1
8	Targeting Trained Innate Immunity With Nanobiologics to Treat Cardiovascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 1839-1850	9.4	1
7	Nanoengineering Apolipoprotein A1-Based Immunotherapeutics. <i>Advanced Therapeutics</i> , 2021 , 4, 2100083	3.3	1

- 6 Systematically evaluating DOTATATE and FDG as PET immuno-imaging tracers of cardiovascular inflammation.. *Scientific Reports*, **2022**, 12, 6185 4.9 1
- 5 Multifunctional Nanoparticles for Target-Specific Imaging and Therapy. *Nanostructure Science and Technology*, **2012**, 155-171 0.9
- 4 Atherosclerosis: dyslipidemia, inflammation and lipoapoptosis **2013**, 6-17
- 3 New Radiotracers, Reporter Probes and Contrast Agents 191-221
- 2 Bimodal Liposomes and Paramagnetic QD-Micelles for Multimodality Molecular Imaging of Tumor Angiogenesis **2008**, 487-512
- 1 Nanoparticle Contrast Agents for Cardiovascular Medical Imaging **2011**, 3-24