

Francois Fay

List of Publications by Year in Descending Order

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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.

40 papers	2,298 citations	27 h-index	41 g-index
41 ext. papers	2,702 ext. citations	11.6 avg, IF	4.34 L-index

#	Paper	IF	Citations
40	Prosaposin mediates inflammation in atherosclerosis. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	7
39	Nanomedicine-based delivery strategies for nucleic acid gene inhibitors in inflammatory diseases. <i>Advanced Drug Delivery Reviews</i> , 2021 , 175, 113809	18.5	8
38	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
37	Probing myeloid cell dynamics in ischaemic heart disease by nanotracer hot-spot imaging. <i>Nature Nanotechnology</i> , 2020 , 15, 398-405	28.7	20
36	Imaging-assisted nanoimmunotherapy for atherosclerosis in multiple species. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	31
35	Nanobody-Facilitated Multiparametric PET/MRI Phenotyping of Atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 2015-2026	8.4	42
34	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
33	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
32	PET/MR Imaging of Malondialdehyde-Acetaldehyde Epitopes With a Human Antibody Detects Clinically Relevant Atherothrombosis. <i>Journal of the American College of Cardiology</i> , 2018 , 71, 321-335	15.1	31
31	Neutrophil derived CSF1 induces macrophage polarization and promotes transplantation tolerance. <i>American Journal of Transplantation</i> , 2018 , 18, 1247-1255	8.7	26
30	Development and Multiparametric Evaluation of Experimental Atherosclerosis in Rabbits. <i>Methods in Molecular Biology</i> , 2018 , 1816, 385-400	1.4	3
29	Inhibiting Inflammation with Myeloid Cell-Specific Nanobiologics Promotes Organ Transplant Acceptance. <i>Immunity</i> , 2018 , 49, 819-828.e6	32.3	95
28	Real-Time Monitoring of Nanoparticle Formation by FRET Imaging. <i>Angewandte Chemie</i> , 2017 , 129, 2969-2972	32.3	6
27	Real-Time Monitoring of Nanoparticle Formation by FRET Imaging. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2923-2926	16.4	22
26	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
25	Hyaluronan Nanoparticles Selectively Target Plaque-Associated Macrophages and Improve Plaque Stability in Atherosclerosis. <i>ACS Nano</i> , 2017 , 11, 5785-5799	16.7	103
24	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

23	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
22	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
21	Augmenting drug-carrier compatibility improves tumour nanotherapy efficacy. <i>Nature Communications</i> , 2016 , 7, 11221	17.4	96
20	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
19	Inhibiting macrophage proliferation suppresses atherosclerotic plaque inflammation. <i>Science Advances</i> , 2015 , 1,	14.3	137
18	Targeting Siglecs with a sialic acid-decorated nanoparticle abrogates inflammation. <i>Science Translational Medicine</i> , 2015 , 7, 303ra140	17.5	112
17	HDL-mimetic PLGA nanoparticle to target atherosclerosis plaque macrophages. <i>Bioconjugate Chemistry</i> , 2015 , 26, 443-51	6.3	92
16	Atherosclerotic plaque targeting mechanism of long-circulating nanoparticles established by multimodal imaging. <i>ACS Nano</i> , 2015 , 9, 1837-47	16.7	89
15	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
14	Efficient drug delivery and induction of apoptosis in colorectal tumors using a death receptor 5-targeted nanomedicine. <i>Molecular Therapy</i> , 2014 , 22, 2083-2092	11.7	31
13	Single step reconstitution of multifunctional high-density lipoprotein-derived nanomaterials using microfluidics. <i>ACS Nano</i> , 2013 , 7, 9975-83	16.7	89
12	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
11	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
10	Skin dendritic cell targeting via microneedle arrays laden with antigen-encapsulated poly-D,L-lactide-co-glycolide nanoparticles induces efficient antitumor and antiviral immune responses. <i>ACS Nano</i> , 2013 , 7, 2042-55	16.7	158
9	Enhanced antitumor activity of the photosensitizer meso-Tetra(N-methyl-4-pyridyl) porphine tetra tosylate through encapsulation in antibody-targeted chitosan/alginate nanoparticles. <i>Biomacromolecules</i> , 2013 , 14, 302-10	6.9	66
8	Nanocrystal Core Lipoprotein Biomimetics for Imaging of Lipoproteins and Associated Diseases. <i>Current Cardiovascular Imaging Reports</i> , 2013 , 6, 45-54	0.7	6
7	Recent advances in the application of antibodies as therapeutics. <i>Future Medicinal Chemistry</i> , 2012 , 4, 73-86	4.1	7
6	Antibody-targeted nanoparticles for cancer therapy. <i>Immunotherapy</i> , 2011 , 3, 381-94	3.8	123

5	Conatumumab (AMG 655) coated nanoparticles for targeted pro-apoptotic drug delivery. <i>Biomaterials</i> , 2011 , 32, 8645-53	15.6	54
4	Microneedle-mediated intradermal nanoparticle delivery: Potential for enhanced local administration of hydrophobic pre-formed photosensitisers. <i>Photodiagnosis and Photodynamic Therapy</i> , 2010 , 7, 222-31	3.5	69
3	Recent Innovations in Antibody-Mediated, Targeted Particulate Nanotechnology and Implications for Advanced Visualisation and Drug Delivery. <i>Current Nanoscience</i> , 2010 , 6, 560-570	1.4	1
2	Gene delivery using dimethyldidodecylammonium bromide-coated PLGA nanoparticles. <i>Biomaterials</i> , 2010 , 31, 4214-22	15.6	46
1	Antibody targeting of camptothecin-loaded PLGA nanoparticles to tumor cells. <i>Bioconjugate Chemistry</i> , 2008 , 19, 1561-9	6.3	97