

Marc Janier

List of Publications by Year in descending order

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69
papers

4,062
citations

172457

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114465

63
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70
all docs

70
docs citations

70
times ranked

5636
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid Gadolinium Oxide Nanoparticles: A Multimodal Contrast Agents for in Vivo Imaging. Journal of the American Chemical Society, 2007, 129, 5076-5084.	13.7	721
2	Gadolinium Chelate Coated Gold Nanoparticles As Contrast Agents for Both X-ray Computed Tomography and Magnetic Resonance Imaging. Journal of the American Chemical Society, 2008, 130, 5908-5915.	13.7	488
3	Local recurrence of prostate cancer after external beam radiotherapy: early experience of salvage therapy using high-intensity focused ultrasonography. Urology, 2004, 63, 625-629.	1.0	240
4	Toward an Image-Guided Microbeam Radiation Therapy Using Gadolinium-Based Nanoparticles. ACS Nano, 2011, 5, 9566-9574.	14.6	212
5	FDG-PET improves tumour detection in patients with paraneoplastic neurological syndromes. Brain, 2004, 127, 2331-2338.	7.6	210
6	The use of theranostic gadolinium-based nanoprobe to improve radiotherapy efficacy. British Journal of Radiology, 2014, 87, 20140134.	2.2	167
7	The biodistribution of gold nanoparticles designed for renal clearance. Nanoscale, 2013, 5, 5930.	5.6	121
8	The In Vivo Radiosensitizing Effect of Gold Nanoparticles Based MRI Contrast Agents. Small, 2014, 10, 1116-1124.	10.0	111
9	Quantitative assessment of skeletal muscle degeneration in patients with myotonic dystrophy type 1 using MRI. Journal of Magnetic Resonance Imaging, 2012, 35, 678-685.	3.4	106
10	Thyroid hormone receptor α is a molecular switch of cardiac function between fetal and postnatal life. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10332-10337.	7.1	105
11	Biodistribution Study of Nanometric Hybrid Gadolinium Oxide Particles as a Multimodal SPECT/MR/Optical Imaging and Theragnostic Agent. Bioconjugate Chemistry, 2011, 22, 1145-1152.	3.6	95
12	Mitral Subvalvular Apparatus. Circulation, 1997, 96, 3124-3128.	1.6	89
13	Positron emission tomography using ^{18}F -fluoro-deoxyglucose and euglycaemic hyperinsulinaemic glucose clamp: optimal criteria for the prediction of recovery of post-ischaemic left ventricular dysfunction. Results from the European Community Concerted Action Multicenter study on use of ^{18}F -fluoro-deoxyglucose Positron Emission Tomography for the Detection of Myocardial Viability. European Heart Journal, 2001, 22, 1691-1701.	2.2	88
14	Cardiac and respiratory double self-gated cine MRI in the mouse at 7 T. Magnetic Resonance in Medicine, 2006, 55, 506-513.	3.0	88
15	AGuIX [®] from bench to bedside—Transfer of an ultrasmall theranostic gadolinium-based nanoparticle to clinical medicine. British Journal of Radiology, 2019, 92, 20180365.	2.2	86
16	Hybrid gadolinium oxide nanoparticles combining imaging and therapy. Journal of Materials Chemistry, 2009, 19, 2328.	6.7	72
17	Combining ultrasmall gadolinium-based nanoparticles with photon irradiation overcomes radioresistance of head and neck squamous cell carcinoma. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 247-257.	3.3	70
18	Effects of prone position and positive end-expiratory pressure on lung perfusion and ventilation*. Critical Care Medicine, 2008, 36, 2373-2380.	0.9	66

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19	Influence of bolus volume and dose of gadolinium chelate for first-pass myocardial perfusion MR imaging studies. <i>Journal of Magnetic Resonance Imaging</i> , 1995, 5, 411-415.	3.4	56
20	Evaluation of Gd-DOTA-labeled dextran polymer as an intravascular MR contrast agent for myocardial perfusion. <i>Academic Radiology</i> , 1998, 5, S214-S218.	2.5	53
21	Cardiac and respiratory self-gated cine MRI in the mouse: Comparison between radial and rectilinear techniques at 7T. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 745-753.	3.0	48
22	Is [18F]-2-fluoro-2-deoxy-d-glucose (FDG) scintigraphy with non-dedicated positron emission tomography useful in the diagnostic management of suspected metastatic thyroid carcinoma in patients with no detectable radioiodine uptake?. <i>European Journal of Endocrinology</i> , 2003, 149, 293-300.	3.7	46
23	MRI monitoring of focal cerebral ischemia in peroxisome proliferator-activated receptor (PPAR)-deficient mice. <i>NMR in Biomedicine</i> , 2007, 20, 335-342.	2.8	43
24	Ex Vivo and In Vivo Imaging and Biodistribution of Aptamers Targeting the Human Matrix MetalloProtease-9 in Melanomas. <i>PLoS ONE</i> , 2016, 11, e0149387.	2.5	43
25	Biodistribution of ultra small gadolinium-based nanoparticles as theranostic agent: Application to brain tumors. <i>Journal of Biomaterials Applications</i> , 2013, 28, 385-394.	2.4	42
26	Evolution of renal oxygen content measured by BOLD MRI downstream a chronic renal artery stenosis. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 1205-1210.	0.7	40
27	Fluorodeoxyglucose Positron Emission Tomography for the Diagnosis of Sarcoidosis in Patients with Unexplained Chronic Uveitis. <i>Ocular Immunology and Inflammation</i> , 2009, 17, 179-184.	1.8	32
28	Tif1 β Suppresses Murine Pancreatic Tumoral Transformation by a Smad4-Independent Pathway. <i>American Journal of Pathology</i> , 2012, 180, 2214-2221.	3.8	32
29	Cardiac retention of [¹¹ C]HED in genotyped long QT patients: a potential amplifier role for severity of the disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H1286-H1293.	3.2	31
30	In vivo measurement of myocardial oxidative metabolism and blood flow does not show changes in cancer patients undergoing doxorubicin therapy. <i>Cancer Chemotherapy and Pharmacology</i> , 2000, 45, 375-380.	2.3	23
31	Alveolar recruitment assessed by positron emission tomography during experimental acute lung injury. <i>Intensive Care Medicine</i> , 2006, 32, 1889-1894.	8.2	23
32	Development of gadolinium based nanoparticles having an affinity towards melanin. <i>Nanoscale</i> , 2013, 5, 1603.	5.6	23
33	Gadolinium-based nanoparticles as sensitizing agents to carbon ions in head and neck tumor cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 2655-2660.	3.3	22
34	Using an adaptive semiautomated self-evaluated registration technique to analyze MRI data for myocardial perfusion assessment. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 18, 681-690.	3.4	21
35	Effects of Positive End-Expiratory Pressure and Body Position on Pulmonary Blood Flow Redistribution in Mechanically Ventilated Normal Pigs. <i>Chest</i> , 2002, 122, 998-1005.	0.8	19
36	Hemodynamic Responses to Acute and Gradual Renal Artery Stenosis in Pigs. <i>American Journal of Hypertension</i> , 2010, 23, 1216-1219.	2.0	19

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37	MRI of Tibialis Anterior Skeletal Muscle in Myotonic Dystrophy Type 1. Canadian Journal of Neurological Sciences, 2011, 38, 112-118.	0.5	19
38	Population pharmacokinetics and probability of target attainment of ertapenem administered by subcutaneous or intravenous route in patients with bone and joint infection. Journal of Antimicrobial Chemotherapy, 2018, 73, 987-994.	3.0	19
39	Comparison between qualitative and quantitative wall motion analyses using dipyridamole stress breath-hold cine magnetic resonance imaging in patients with severe coronary artery stenosis. Magnetic Resonance Imaging, 1997, 15, 891-898.	1.8	17
40	Influence of multidrug resistance on 18F-FCH cellular uptake in a glioblastoma model. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 1256-1264.	6.4	15
41	18F-FLT and 18F-FDG positron emission tomography for the imaging of advanced well-differentiated gastro-entero-pancreatic endocrine tumours. Nuclear Medicine Communications, 2011, 32, 91-97.	1.1	15
42	Small rigid platforms functionalization with quaternary ammonium: Targeting extracellular matrix of chondrosarcoma. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 1887-1895.	3.3	15
43	Temporal covariance analysis of first-pass contrast-enhanced myocardial magnetic resonance images. Computers in Biology and Medicine, 2001, 31, 133-142.	7.0	14
44	Four-Minute Bone SPECT Using Large-Field Cadmium-Zinc-Telluride Camera. Clinical Nuclear Medicine, 2018, 43, 389-395.	1.3	14
45	Quantitative assessment of regional alveolar ventilation and gas volume using 13N-N2 washout and PET. Journal of Nuclear Medicine, 2005, 46, 1375-83.	5.0	14
46	Malignant mesothelioma of the peritoneum as the cause of a paraneoplastic syndrome: detection by 18F-FDG PET. European Journal of Nuclear Medicine and Molecular Imaging, 2006, 33, 751-751.	6.4	13
47	Fast screening of paramagnetic molecules in zebrafish embryos by MRI. NMR in Biomedicine, 2008, 21, 129-137.	2.8	13
48	In Vivo Assessment of Mouse Hindleg Intramyocellular Lipids by 1H-MR Spectroscopy. Academic Radiology, 2009, 16, 890-896.	2.5	12
49	Host evolution in <i>Mastomys natalensis</i> (Rodentia: Muridae): An integrative approach using geometric morphometrics and genetics. Integrative Zoology, 2015, 10, 505-514.	2.6	12
50	Pristinamycin in the treatment of MSSA bone and joint infection. Journal of Antimicrobial Chemotherapy, 2016, 71, 1063-1070.	3.0	11
51	EVALUATION OF CARDIOVASCULAR FLOW CHARACTERISTICS IN THE 129Sv MOUSE FETUS USING COLOR-DOPPLER-GUIDED SPECTRAL DOPPLER ULTRASOUND. Veterinary Radiology and Ultrasound, 2004, 45, 568-573.	0.9	10
52	Multifunctional gadolinium oxide nanoparticles: towards image-guided therapy. Imaging in Medicine, 2010, 2, 211-223.	0.0	10
53	Second order anterior mitral leaflets play a role in preventing systolic anterior motion. Annals of Thoracic Surgery, 2002, 73, 1689-1690.	1.3	9
54	Radiolabeled dendritic probes as tools for high in vivo tumor targeting: application to melanoma. Journal of Materials Chemistry B, 2015, 3, 2560-2571.	5.8	9

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55	Myocardial Perfusion Assessed by Subsecond Magnetic Resonance Imaging with a Paramagnetic Macromolecular Contrast Agent. <i>Investigative Radiology</i> , 1994, 29, S54-S57.	6.2	8
56	Importance of Parametric Mapping and Deconvolution in Analyzing Magnetic Resonance Myocardial Perfusion Images. <i>Investigative Radiology</i> , 2006, 41, 374-383.	6.2	8
57	Oligonucleotide solid-phase synthesis on fluorescent nanoparticles grafted on controlled pore glass. <i>RSC Advances</i> , 2012, 2, 11858.	3.6	8
58	In vitro and in vivo studies with [18F]fluorocholine on digestive tumoral cell lines and in an animal model of metastasized endocrine tumor. <i>Nuclear Medicine and Biology</i> , 2008, 35, 123-130.	0.6	7
59	In vivo evidence of the targeting of cartilaginous tissue by pyridinium functionalized nanoparticles. <i>Chemical Communications</i> , 2013, 49, 3046.	4.1	7
60	Gender and Strain Variations in Left Ventricular Cardiac Function and Mass Determined With Magnetic Resonance Imaging at 7 Tesla in Adult Mice. <i>Investigative Radiology</i> , 2007, 42, 1-7.	6.2	6
61	The value of local normal limits in quantitative Thallium-201 CZT MPI SPECT. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 672-682.	2.1	5
62	In vivo gadolinium nanoparticle quantification with SPECT/CT. <i>EJNMMI Physics</i> , 2019, 6, 9.	2.7	5
63	Posttransplant primary heart dysfunction and myocardial stunning. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 1997, 11, 880-882.	1.3	4
64	Granulocyte Colony-Stimulating Factor Nanocarriers for Stimulation of the Immune System (Part I): Synthesis and Biodistribution Studies. <i>Bioconjugate Chemistry</i> , 2018, 29, 795-803.	3.6	4
65	Radio-UHPLC: A tool for rapidly determining the radiochemical purity of technetium-99m radiopharmaceuticals?. <i>Applied Radiation and Isotopes</i> , 2013, 78, 72-76.	1.5	3
66	Granulocyte-Colony Stimulating Factor Nanocarriers for Stimulation of the Immune System (Part II): Dose-Dependent Biodistribution and <i>In Vivo</i> Antitumor Efficacy in Combination with Rituximab. <i>Bioconjugate Chemistry</i> , 2018, 29, 804-812.	3.6	3
67	Metabolic myocardial viability assessment with iodine 123-16-iodo-3-methylhexadecanoic acid in recent myocardial infarction: Comparison with thallium-201 and fluorine-18 fluorodeoxyglucose. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1997, 24, 170-178.	2.1	2
68	Lethal Myocardial Reperfusion Injury: A Right Target for the Clinician?. <i>Journal of Thrombosis and Thrombolysis</i> , 1997, 4, 149-152.	2.1	0
69	Quantification of Gd-Nanoparticles Concentration with SPECT and Spectral Photon Counting CT. , 2017, , .		0