

MarÃa Collantes

List of Publications by Year in descending order

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43
papers

1,284
citations

361045

20
h-index

360668

35
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44
all docs

44
docs citations

44
times ranked

2624
citing authors

#	ARTICLE	IF	CITATIONS
1	Transplantation of adipose derived stromal cells is associated with functional improvement in a rat model of chronic myocardial infarction. <i>European Journal of Heart Failure</i> , 2008, 10, 454-462.	2.9	188
2	The nigrostriatal system in the presymptomatic and symptomatic stages in the MPTP monkey model: A PET, histological and biochemical study. <i>Neurobiology of Disease</i> , 2012, 48, 79-91.	2.1	93
3	Meox2/Tcf15 Heterodimers Program the Heart Capillary Endothelium for Cardiac Fatty Acid Uptake. <i>Circulation</i> , 2015, 131, 815-826.	1.6	88
4	Transplantation of Mesenchymal Stem Cells Exerts a Greater Long-Term Effect than Bone Marrow Mononuclear Cells in a Chronic Myocardial Infarction Model in Rat. <i>Cell Transplantation</i> , 2010, 19, 313-328.	1.2	70
5	Progression of dopaminergic depletion in a model of MPTP-induced Parkinsonism in non-human primates. An 18F-DOPA and 11C-DTBZ PET study. <i>Neurobiology of Disease</i> , 2010, 38, 456-463.	2.1	66
6	Antitumor and antiangiogenic effect of the dual EGFR and HER-2 tyrosine kinase inhibitor lapatinib in a lung cancer model. <i>BMC Cancer</i> , 2010, 10, 188.	1.1	61
7	Splicing regulator SLU7 is essential for maintaining liver homeostasis. <i>Journal of Clinical Investigation</i> , 2014, 124, 2909-2920.	3.9	55
8	Infiltration of plasma rich in growth factors enhances in vivo angiogenesis and improves reperfusion and tissue remodeling after severe hind limb ischemia. <i>Journal of Controlled Release</i> , 2015, 202, 31-39.	4.8	52
9	Deletion of Inducible Nitric-Oxide Synthase in Leptin-Deficient Mice Improves Brown Adipose Tissue Function. <i>PLoS ONE</i> , 2010, 5, e10962.	1.1	46
10	The inhibitor of differentiation-1 (Id1) enables lung cancer liver colonization through activation of an EMT program in tumor cells and establishment of the pre-metastatic niche. <i>Cancer Letters</i> , 2017, 402, 43-51.	3.2	36
11	Intensive Pharmacological Immunosuppression Allows for Repetitive Liver Gene Transfer With Recombinant Adenovirus in Nonhuman Primates. <i>Molecular Therapy</i> , 2010, 18, 754-765.	3.7	31
12	Molecular Imaging Techniques to Study the Biodistribution of Orally Administered 99mTc-Labelled Naive and Ligand-Tagged Nanoparticles. <i>Molecular Imaging and Biology</i> , 2011, 13, 1215-1223.	1.3	29
13	Statistical parametric maps of 18F-FDG PET and 3-D autoradiography in the rat brain: a cross-validation study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 2228-2237.	3.3	29
14	MAPC Transplantation Confers a more Durable Benefit than AC133+ Cell Transplantation in Severe Hind Limb Ischemia. <i>Cell Transplantation</i> , 2011, 20, 259-270.	1.2	28
15	Preclinical safety of topically administered nanostructured lipid carriers (NLC) for wound healing application: biodistribution and toxicity studies. <i>International Journal of Pharmaceutics</i> , 2019, 569, 118484.	2.6	28
16	New MRI, 18F-DOPA and 11C-(+)- β -dihydrotetrabenazine templates for <i>Macaca fascicularis</i> neuroimaging: Advantages to improve PET quantification. <i>NeuroImage</i> , 2009, 47, 533-539.	2.1	24
17	Non-invasive in vivo imaging of cardiac stem/progenitor cell biodistribution and retention after intracoronary and intramyocardial delivery in a swine model of chronic ischemia reperfusion injury. <i>Journal of Translational Medicine</i> , 2017, 15, 56.	1.8	24
18	Simple automated system for simultaneous production of 11C-labeled tracers by solid supported methylation. <i>Applied Radiation and Isotopes</i> , 2006, 64, 808-811.	0.7	22

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19	In vivo efficacy of bevacizumab-loaded albumin nanoparticles in the treatment of colorectal cancer. <i>Drug Delivery and Translational Research</i> , 2020, 10, 635-645.	3.0	22
20	Engineering a genome-reduced bacterium to eliminate <i>Staphylococcus aureus</i> biofilms <i>in vivo</i> . <i>Molecular Systems Biology</i> , 2021, 17, e10145.	3.2	21
21	¹³ N-Ammonia PET as a Measurement of Hindlimb Perfusion in a Mouse Model of Peripheral Artery Occlusive Disease. <i>Journal of Nuclear Medicine</i> , 2007, 48, 1216-1223.	2.8	20
22	Monoaminergic PET imaging and histopathological correlation in unilateral and bilateral 6-hydroxydopamine lesioned rat models of Parkinson's disease: A longitudinal in-vivo study. <i>Neurobiology of Disease</i> , 2015, 77, 165-172.	2.1	19
23	Functional MMP-10 is required for efficient tissue repair after experimental hind limb ischemia. <i>FASEB Journal</i> , 2015, 29, 960-972.	0.2	19
24	Glucose metabolism during fasting is altered in experimental porphobilinogen deaminase deficiency. <i>Human Molecular Genetics</i> , 2016, 25, 1318-1327.	1.4	19
25	Inhibitor of Differentiation-1 Sustains Mutant <i>KRAS</i> -Driven Progression, Maintenance, and Metastasis of Lung Adenocarcinoma via Regulation of a FOSL1 Network. <i>Cancer Research</i> , 2019, 79, 625-638.	0.4	19
26	Changes in brown adipose tissue lipid mediator signatures with aging, obesity, and DHA supplementation in female mice. <i>FASEB Journal</i> , 2021, 35, e21592.	0.2	18
27	Glucocerebrosidase Gene Therapy Induces Alpha-Synuclein Clearance and Neuroprotection of Midbrain Dopaminergic Neurons in Mice and Macaques. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4825.	1.8	18
28	<i>In Vivo</i> Monitoring of <i>Staphylococcus aureus</i> Biofilm Infections and Antimicrobial Therapy by [¹⁸ F]Fluoro-Deoxyglucose- ¹⁸ F-MicroPET in a Mouse Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 6660-6667.	1.4	17
29	PET imaging of thymidine kinase gene expression in the liver of non-human primates following systemic delivery of an adenoviral vector. <i>Gene Therapy</i> , 2009, 16, 136-141.	2.3	15
30	Adeno-Associated Virus Liver Transduction Efficiency Measured by <i>in Vivo</i> [¹⁸ F]FHBG Positron Emission Tomography Imaging in Rodents and Nonhuman Primates. <i>Human Gene Therapy</i> , 2011, 22, 999-1009.	1.4	14
31	Radiation dosimetry and biodistribution in non-human primates of the sodium/iodide PET ligand [¹⁸ F]-tetrafluoroborate. <i>EJNMMI Research</i> , 2015, 5, 70.	1.1	14
32	Assessment of metabolic patterns and new antitumoral treatment in osteosarcoma xenograft models by [¹⁸ F]FDG and sodium [¹⁸ F]fluoride PET. <i>BMC Cancer</i> , 2018, 18, 1193.	1.1	11
33	Id1 and PD-1 Combined Blockade Impairs Tumor Growth and Survival of <i>KRAS</i> -mutant Lung Cancer by Stimulating PD-L1 Expression and Tumor Infiltrating CD8+ T Cells. <i>Cancers</i> , 2020, 12, 3169.	1.7	10
34	Distribution of adrenomedullin and proadrenomedullin N-terminal 20 peptide immunoreactivity in the pituitary gland of the frog <i>Rana perezi</i> . <i>General and Comparative Endocrinology</i> , 2003, 133, 50-60.	0.8	9
35	Index lesion characterization by [¹¹ C]Choline PET/CT and Apparent Diffusion Coefficient parameters at 3 Tesla MRI in primary prostate carcinoma. <i>Prostate</i> , 2016, 76, 3-12.	1.2	9
36	Levodopa induces long-lasting modification in the functional activity of the nigrostriatal pathway. <i>Neurobiology of Disease</i> , 2014, 62, 250-259.	2.1	8

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37	In vivo SPECT-CT imaging and characterization of technetium-99m-labeled bevacizumab-loaded human serum albumin pegylated nanoparticles. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 64, 101809.	1.4	8
38	mRNA-based therapy in a rabbit model of variegate porphyria offers new insights into the pathogenesis of acute attacks. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 25, 207-219.	2.3	7
39	Cerebral metabolic pattern associated with progressive parkinsonism in non-human primates reveals early cortical hypometabolism. <i>Neurobiology of Disease</i> , 2022, 167, 105669.	2.1	5
40	Oral Immunogenicity of Enterotoxigenic <i>Escherichia coli</i> Outer Membrane Vesicles Encapsulated into Zein Nanoparticles Coated with a Gantrez® AN® Mannosamine Polymer Conjugate. <i>Pharmaceutics</i> , 2022, 14, 123.	2.0	4
41	Radiation protection in an animal research unit with pet: Occupational doses and dose rates produced by animals. <i>Radiation Measurements</i> , 2011, 46, 1307-1309.	0.7	2
42	Preclinical safety of negatively charged microspheres (NCMs): Optimization of radiolabeling for in vivo and ex vivo biodistribution studies after topical administration on full-thickness wounds in a rat model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2022, 177, 61-67.	2.0	2
43	Lessons from ¹¹ C-dihydrotetrabenazine imaging in a xenograft mouse model of rat insulinoma: is PET imaging of pancreatic beta cell mass feasible?. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 61, 447-455.	0.4	1