

Silvia Lope-Piedrafita

List of Publications by Year in descending order

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36
papers

1,030
citations

430843

18
h-index

414395

32
g-index

36
all docs

36
docs citations

36
times ranked

1803
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Free Radical Dendrimers as MRI Contrast Agents for Glioblastoma Diagnosis: <i>Ex Vivo</i> and <i>In Vivo</i> Approaches. <i>Biomacromolecules</i> , 2022, 23, 2767-2777.	5.4	10
2	Bioinspired Theranostic Coordination Polymer Nanoparticles for Intranasal Dopamine Replacement in Parkinson's Disease. <i>ACS Nano</i> , 2021, 15, 8592-8609.	14.6	50
3	Nicotinamide Protects Against Diet-Induced Body Weight Gain, Increases Energy Expenditure, and Induces White Adipose Tissue Beiging. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100111.	3.3	9
4	Efficacy of adeno-associated virus gene therapy in a MNGIE murine model enhanced by chronic exposure to nucleosides. <i>EBioMedicine</i> , 2020, 62, 103133.	6.1	11
5	Progression of Alzheimer's disease and effect of scFv χ 3D6 immunotherapy in the 3xTg-AD mouse model: An in vivo longitudinal study using Magnetic Resonance Imaging and Spectroscopy. <i>NMR in Biomedicine</i> , 2020, 33, e4263.	2.8	13
6	Microwave-Assisted Synthesis of SPION-Reduced Graphene Oxide Hybrids for Magnetic Resonance Imaging (MRI). <i>Nanomaterials</i> , 2019, 9, 1364.	4.1	20
7	Diffusion Tensor Imaging (DTI). <i>Methods in Molecular Biology</i> , 2018, 1718, 103-116.	0.9	51
8	Differential effects of apoE and apoJ mimetic peptides on the action of an anti-A β scFv in 3xTg-AD mice. <i>Biochemical Pharmacology</i> , 2018, 155, 380-392.	4.4	17
9	Magnetically amplified photothermal therapies and multimodal imaging with magneto-plasmonic nanodomains. <i>Applied Materials Today</i> , 2018, 12, 430-440.	4.3	20
10	Solid-State Deuterium NMR Spectroscopy of Membranes. , 2018, , 581-603.		1
11	Neonatal handling enduringly decreases anxiety and stress responses and reduces hippocampus and amygdala volume in a genetic model of differential anxiety: Behavioral-volumetric associations in the Roman rat strains. <i>European Neuropsychopharmacology</i> , 2017, 27, 146-158.	0.7	30
12	Apolipoprotein J mimetic peptide [113 α -122]apoJ decreases weight gain in LDLR-KO mice under atherogenic diet by decreasing fat accumulation. <i>Atherosclerosis</i> , 2017, 263, e71.	0.8	1
13	Assessment of biodistribution using mesenchymal stromal cells: Algorithm for study design and challenges in detection methodologies. <i>Cytotherapy</i> , 2017, 19, 1060-1069.	0.7	18
14	Metabolomics of Therapy Response in Preclinical Glioblastoma: A Multi-Slice MRSI-Based Volumetric Analysis for Noninvasive Assessment of Temozolomide Treatment. <i>Metabolites</i> , 2017, 7, 20.	2.9	19
15	Solid-State Deuterium NMR Spectroscopy of Membranes. , 2017, , 1-23.		1
16	Mutation of the 3-Phosphoinositide-Dependent Protein Kinase 1 (PDK1) Substrate-Docking Site in the Developing Brain Causes Microcephaly with Abnormal Brain Morphogenesis Independently of Akt, Leading to Impaired Cognition and Disruptive Behaviors. <i>Molecular and Cellular Biology</i> , 2016, 36, 2967-2982.	2.3	27
17	Real-time assessment of ¹³ C metabolism reveals an early lactate increase in the brain of rats with acute liver failure. <i>NMR in Biomedicine</i> , 2015, 28, 17-23.	2.8	14
18	<i>In Vivo</i> and <i>Ex Vivo</i> Magnetic Resonance Spectroscopy of the Infarct and the Subventricular Zone in Experimental Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 828-834.	4.3	17

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19	Stereoselective synthesis of highly branched chiral cyclobutane-cored triamines and their conjugation to Gd-DOTA. <i>Tetrahedron</i> , 2015, 71, 8085-8095.	1.9	0
20	A new ex vivo method to evaluate the performance of candidate MRI contrast agents: a proof-of-concept study. <i>Journal of Nanobiotechnology</i> , 2014, 12, 12.	9.1	16
21	Dimethyl sulfoxide (DMSO) as a potential contrast agent for brain tumors. <i>NMR in Biomedicine</i> , 2013, 26, 173-184.	2.8	8
22	Brain magnetic resonance in experimental acute and chronic liver failure. <i>Liver International</i> , 2013, 33, 294-300.	3.9	20
23	Factors Secreted by Endothelial Progenitor Cells Enhance Neurorepair Responses after Cerebral Ischemia in Mice. <i>PLoS ONE</i> , 2013, 8, e73244.	2.5	93
24	Dilated cardiomyopathy and mitochondrial dysfunction in Sirt1-deficient mice: A role for Sirt1-Mef2 in adult heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 53, 521-531.	1.9	77
25	Efficient $\hat{3}$ -amino-proline-derived cell penetrating peptide-superparamagnetic iron oxide nanoparticle conjugates via aniline-catalyzed oxime chemistry as bimodal imaging nanoagents. <i>Chemical Communications</i> , 2012, 48, 5322.	4.1	21
26	In vivo assessment of neurodegeneration in niemann-pick type C mice by quantitative T2 mapping and diffusion tensor imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 528-536.	3.4	17
27	Changes in water content and distribution in <i>Quercus ilex</i> leaves during progressive drought assessed by in vivo ^1H magnetic resonance imaging. <i>BMC Plant Biology</i> , 2010, 10, 188.	3.6	20
28	^1H -MRSI pattern perturbation in a mouse glioma: the effects of acute hyperglycemia and moderate hypothermia. <i>NMR in Biomedicine</i> , 2010, 23, 23-33.	2.8	31
29	Self-assembled multifunctional Fe/MgO nanospheres for magnetic resonance imaging and hyperthermia. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010, 6, 362-370.	3.3	91
30	Diffusion Tensor Imaging Supports the Cytotoxic Origin of Brain Edema in a Rat Model of Acute Liver Failure. <i>Gastroenterology</i> , 2010, 138, 1566-1573.	1.3	50
31	MRI detects therapeutic effects in weanling Niemann-Pick type C mice. <i>Journal of Neuroscience Research</i> , 2008, 86, 2802-2807.	2.9	19
32	Longitudinal diffusion tensor imaging in a rat brain glioma model. <i>NMR in Biomedicine</i> , 2008, 21, 799-808.	2.8	44
33	Allopregnanolone treatment, both as a single injection or repetitively, delays demyelination and enhances survival of Niemann-Pick C mice. <i>Journal of Neuroscience Research</i> , 2005, 82, 811-821.	2.9	77
34	Uncovering of intracellular water in cultured cells. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 79-86.	3.0	17
35	Lanosterol and Cholesterol-Induced Variations in Bilayer Elasticity Probed by ^2H NMR Relaxation. <i>Langmuir</i> , 2004, 20, 1043-1046.	3.5	43
36	NMR elastometry of fluid membranes in the mesoscopic regime. <i>Physical Review E</i> , 2002, 66, 050902.	2.1	57