

Jesus Ruiz-Cabello

List of Publications by Year in descending order

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Version: 2024-02-01

198
papers

7,901
citations

50276

46
h-index

62596

80
g-index

202
all docs

202
docs citations

202
times ranked

13133
citing authors

#	ARTICLE	IF	CITATIONS
1	Benchtop nuclear magnetic resonance-based metabolomic approach for the diagnosis of bovine tuberculosis. <i>Transboundary and Emerging Diseases</i> , 2022, 69, .	3.0	3
2	Delayed alveolar clearance of nanoparticles through control of coating composition and interaction with lung surfactant protein A. <i>Materials Science and Engineering C</i> , 2022, 134, 112551.	7.3	9
3	Ultrasmall Manganese Ferrites for In Vivo Catalase Mimicking Activity and Multimodal Bioimaging. <i>Small</i> , 2022, 18, e2106570.	10.0	23
4	Heteroplasmy of Wild-Type Mitochondrial DNA Variants in Mice Causes Metabolic Heart Disease With Pulmonary Hypertension and Frailty. <i>Circulation</i> , 2022, 145, 1084-1101.	1.6	10
5	Human influenza A virus causes myocardial and cardiac-specific conduction system infections associated with early inflammation and premature death. <i>Cardiovascular Research</i> , 2021, 117, 876-889.	3.8	27
6	Effects of Colchicine on Atherosclerotic Plaque Stabilization: a Multimodality Imaging Study in an Animal Model. <i>Journal of Cardiovascular Translational Research</i> , 2021, 14, 150-160.	2.4	19
7	Digitonin concentration is determinant for mitochondrial supercomplexes analysis by BlueNative page. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148332.	1.0	5
8	Heparin length in the coating of extremely small iron oxide nanoparticles regulates <i>in vivo</i> theranostic applications. <i>Nanoscale</i> , 2021, 13, 842-861.	5.6	8
9	Activation of amino acid metabolic program in cardiac HIF1-alpha-deficient mice. <i>IScience</i> , 2021, 24, 102124.	4.1	10
10	Fluorine Labeling of Nanoparticles and In Vivo ¹⁹ F Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 12941-12949.	8.0	12
11	Urine NMR-based TB metabolic fingerprinting for the diagnosis of TB in children. <i>Scientific Reports</i> , 2021, 11, 12006.	3.3	9
12	Assessing the Potential of Molecular Imaging for Myelin Quantification in Organotypic Cultures. <i>Pharmaceutics</i> , 2021, 13, 975.	4.5	1
13	HAP-Multitag, a PET and Positive MRI Contrast Nanotracer for the Longitudinal Characterization of Vascular Calcifications in Atherosclerosis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45279-45290.	8.0	12
14	Metabolomic differences between COVID-19 and H1N1 influenza induced ARDS. <i>Critical Care</i> , 2021, 25, 390.	5.8	20
15	Quantitative assessment of myocardial blood flow and extracellular volume fraction using ⁶⁸ Ga-DOTA-PET: A feasibility and validation study in large animals. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 1249-1260.	2.1	4
16	NLRP3 inflammasome suppression improves longevity and prevents cardiac aging in male mice. <i>Aging Cell</i> , 2020, 19, e13050.	6.7	111
17	NLRP3 Inflammasome Inhibition by MCC950 in Aged Mice Improves Health via Enhanced Autophagy and PPAR α Activity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1457-1464.	3.6	33
18	Programmed "disarming" of the neutrophil proteome reduces the magnitude of inflammation. <i>Nature Immunology</i> , 2020, 21, 135-144.	14.5	180

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19	Thrombo-tag, an <i>in vivo</i> formed nanotracer for the detection of thrombi in mice by fast pre-targeted molecular imaging. <i>Nanoscale</i> , 2020, 12, 22978-22987.	5.6	9
20	Na ⁺ controls hypoxic signalling by the mitochondrial respiratory chain. <i>Nature</i> , 2020, 586, 287-291.	27.8	139
21	Cell identity and nucleo-mitochondrial genetic context modulate OXPHOS performance and determine somatic heteroplasmy dynamics. <i>Science Advances</i> , 2020, 6, eaba5345.	10.3	31
22	Probiotic <i>Bifidobacterium breve</i> prevents DOCA-salt hypertension. <i>FASEB Journal</i> , 2020, 34, 13626-13640.	0.5	45
23	MicroRNA Nanotherapeutics for Lung Targeting. Insights into Pulmonary Hypertension. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3253.	4.1	15
24	Blockade of the NLRP3 inflammasome improves metabolic health and lifespan in obese mice. <i>GeroScience</i> , 2020, 42, 715-725.	4.6	19
25	Probiotics Prevent Dysbiosis and the Rise in Blood Pressure in Genetic Hypertension: Role of Short-Chain Fatty Acids. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1900616.	3.3	113
26	Plasma Metabolic Signature of Atherosclerosis Progression and Colchicine Treatment in Rabbits. <i>Scientific Reports</i> , 2020, 10, 7072.	3.3	7
27	Iron Oxide Nanoparticles: An Alternative for Positive Contrast in Magnetic Resonance Imaging. <i>Inorganics</i> , 2020, 8, 28.	2.7	45
28	Discovery and validation of an NMR-based metabolomic profile in urine as TB biomarker. <i>Scientific Reports</i> , 2020, 10, 22317.	3.3	24
29	Engineered polymeric nanovehicles for drug delivery. <i>Frontiers of Nanoscience</i> , 2020, 16, 201-232.	0.6	2
30	Inflamm-ageing or inflammasom-ageing as independent events. <i>Aging</i> , 2020, 12, 17759-17760.	3.1	1
31	Regulation of Mother-to-Offspring Transmission of mtDNA Heteroplasmy. <i>Cell Metabolism</i> , 2019, 30, 1120-1130.e5.	16.2	66
32	Long-Term Dabigatran Treatment Delays Alzheimer's Disease Pathogenesis in the TgCRND8 Mouse Model. <i>Journal of the American College of Cardiology</i> , 2019, 74, 1910-1923.	2.8	61
33	Metabolomic profile of acute respiratory distress syndrome of different etiologies. <i>Intensive Care Medicine</i> , 2019, 45, 1318-1320.	8.2	10
34	Vascular smooth muscle cell-specific progerin expression in a mouse model of Hutchinson's Gilford progeria syndrome promotes arterial stiffness: Therapeutic effect of dietary nitrite. <i>Aging Cell</i> , 2019, 18, e12936.	6.7	51
35	The State of the Art of Investigational and Approved Nanomedicine Products for Nucleic Acid Delivery. , 2019, , 421-456.		7
36	p38 ^β is essential for cell cycle progression and liver tumorigenesis. <i>Nature</i> , 2019, 568, 557-560.	27.8	72

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37	A dual ¹ H/ ¹⁹ F birdcage coil for small animals at 7T MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019, 32, 79-87.	2.0	7
38	Cu-Doped Extremely Small Iron Oxide Nanoparticles with Large Longitudinal Relaxivity: One-Pot Synthesis and in Vivo Targeted Molecular Imaging. <i>ACS Omega</i> , 2019, 4, 2719-2727.	3.5	35
39	Unambiguous detection of atherosclerosis using bioorthogonal nanomaterials. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 17, 26-35.	3.3	18
40	Identification of novel metabolomic biomarkers in an experimental model of septic acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, F54-F62.	2.7	27
41	In-vivo lung molecular imaging of choline metabolism in a rat model of pulmonary arterial hypertension. , 2019, , .		1
42	Benchtop NMR-based metabolomic analysis as a diagnostic tool for tuberculosis in clinical urine samples. , 2019, , .		0
43	Detection of metabolic profile in urine for diagnosing pediatric tuberculosis. , 2019, , .		0
44	Protein corona and phospholipase activity drive selective accumulation of nanomicelles in atherosclerotic plaques. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 643-650.	3.3	12
45	Metabolomic Profile of ARDS by Nuclear Magnetic Resonance Spectroscopy in Patients With H1N1 Influenza Virus Pneumonia. <i>Shock</i> , 2018, 50, 504-510.	2.1	22
46	Ablation of the stress protease OMA1 protects against heart failure in mice. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	66
47	Efecto de la segmentación por tejidos en los mapas de atenuación sobre la cuantificación PET con especial hincapié en grandes arterias. <i>Revista Espanola De Medicina Nuclear E Imagen Molecular</i> , 2018, 37, 94-102.	0.0	0
48	Experimental methods for flow and aerosol measurements in human airways and their replicas. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 113, 95-131.	4.0	46
49	Synthesis of ⁶⁸ Ga Core-doped Iron Oxide Nanoparticles for Dual Positron Emission Tomography /(¹ T/ ¹)Magnetic Resonance Imaging. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	3
50	MRI Study of the Influence of Surface Coating Aging on the In Vivo Biodistribution of Iron Oxide Nanoparticles. <i>Biosensors</i> , 2018, 8, 127.	4.7	13
51	Aging and the Inflammasomes. <i>Experientia Supplementum (2012)</i> , 2018, 108, 303-320.	0.9	9
52	Metabolic Reprogramming in the Heart and Lung in a Murine Model of Pulmonary Arterial Hypertension. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 110.	2.4	30
53	Micellar Iron Oxide Nanoparticles Coated with Anti-Tumor Glycosides. <i>Nanomaterials</i> , 2018, 8, 567.	4.1	15
54	HIV transgene expression impairs K ⁺ channel function in the pulmonary vasculature. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L711-L723.	2.9	19

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55	Hybrid Decorated Core@Shell Janus Nanoparticles as a Flexible Platform for Targeted Multimodal Molecular Bioimaging of Cancer. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31032-31043.	8.0	61
56	Molecular Imaging with ⁶⁸ Ga Radio-Nanomaterials: Shedding Light on Nanoparticles. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1098.	2.5	18
57	Assessment of regional pulmonary blood flow using ⁶⁸ Ga-DOTA PET. <i>EJNMMI Research</i> , 2017, 7, 7.	2.5	7
58	Iron Oxide Nanoparticle-Based MRI Contrast Agents: Characterization and In Vivo Use. , 2017, , 85-120.		2
59	Could NLRP3â€œInflammasome Be a Cardiovascular Risk Biomarker in Acute Myocardial Infarction Patients?. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 269-275.	5.4	36
60	MKK6 controls T3-mediated browning of white adipose tissue. <i>Nature Communications</i> , 2017, 8, 856.	12.8	54
61	In vivo imaging of lung inflammation with neutrophil-specific ⁶⁸ Ga nano-radiotracer. <i>Scientific Reports</i> , 2017, 7, 13242.	3.3	37
62	Family of Bioactive Heparin-Coated Iron Oxide Nanoparticles with Positive Contrast in Magnetic Resonance Imaging for Specific Biomedical Applications. <i>Biomacromolecules</i> , 2017, 18, 3156-3167.	5.4	37
63	One-Step Fast Synthesis of Nanoparticles for MRI: Coating Chemistry as the Key Variable Determining Positive or Negative Contrast. <i>Langmuir</i> , 2017, 33, 10239-10247.	3.5	43
64	Discriminant biomarkers of acute respiratory distress syndrome associated to H1N1 influenza identified by metabolomics HPLCâ€œQTOFâ€œMS/MS platform. <i>Electrophoresis</i> , 2017, 38, 2341-2348.	2.4	12
65	NLRP3-inflammasome inhibition prevents high fat and high sugar diets-induced heart damage through autophagy induction. <i>Oncotarget</i> , 2017, 8, 99740-99756.	1.8	53
66	Iron Oxide Nanoradiomaterials: Combining Nanoscale Properties with Radioisotopes for Enhanced Molecular Imaging. <i>Contrast Media and Molecular Imaging</i> , 2017, 2017, 1-24.	0.8	15
67	Effects of Quercetin in a Rat Model of Hemorrhagic Traumatic Shock and Reperfusion. <i>Molecules</i> , 2016, 21, 1739.	3.8	9
68	New Biochemical Insights into the Mechanisms of Pulmonary Arterial Hypertension in Humans. <i>PLoS ONE</i> , 2016, 11, e0160505.	2.5	32
69	Mitochondrial and nuclear DNA matching shapes metabolism and healthy ageing. <i>Nature</i> , 2016, 535, 561-565.	27.8	333
70	Myocardial VHL-HIF Signaling Controls an Embryonic Metabolic Switch Essential for Cardiac Maturation. <i>Developmental Cell</i> , 2016, 39, 724-739.	7.0	106
71	Lung Tissue Volume is Elevated in Obesity and Reduced by Bariatric Surgery. <i>Obesity Surgery</i> , 2016, 26, 2475-2482.	2.1	5
72	Recent advances in the preparation and application of multifunctional iron oxide and liposome-based nanosystems for multimodal diagnosis and therapy. <i>Interface Focus</i> , 2016, 6, 20160055.	3.0	26

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73	Microwave-driven Synthesis of Iron Oxide Nanoparticles for Fast Detection of Atherosclerosis. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	1
74	Fast synthesis and bioconjugation of ⁶⁸ Ga core-doped extremely small iron oxide nanoparticles for PET/MR imaging. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 203-210.	0.8	68
75	Accurate quantification of atherosclerotic plaque volume by 3D vascular ultrasound using the volumetric linear array method. <i>Atherosclerosis</i> , 2016, 248, 230-237.	0.8	16
76	Stress-Induced Depressive Behaviors Require a Functional NLRP3 Inflammasome. <i>Molecular Neurobiology</i> , 2016, 53, 4874-4882.	4.0	134
77	AMPK Phosphorylation Modulates Pain by Activation of NLRP3 Inflammasome. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 157-170.	5.4	85
78	Can the lung be obese? Lung tissue volume (<i>V</i> _{tiss}) is elevated in severe obesity and reduced by bariatric surgery. , 2016, , .		0
79	Surface-Functionalized Nanoparticles by Olefin Metathesis: A Chemoselective Approach for In Vivo Characterization of Atherosclerosis Plaque. <i>Chemistry - A European Journal</i> , 2015, 21, 10450-10456.	3.3	13
80	T1-MRI Fluorescent Iron Oxide Nanoparticles by Microwave Assisted Synthesis. <i>Nanomaterials</i> , 2015, 5, 1880-1890.	4.1	21
81	Cardiovascular imaging: what have we learned from animal models?. <i>Frontiers in Pharmacology</i> , 2015, 6, 227.	3.5	20
82	Bmi1 limits dilated cardiomyopathy and heart failure by inhibiting cardiac senescence. <i>Nature Communications</i> , 2015, 6, 6473.	12.8	14
83	Exercise Triggers ARVC Phenotype in Mice Expressing a Disease-Causing Mutated Version of Human Plakophilin-2. <i>Journal of the American College of Cardiology</i> , 2015, 65, 1438-1450.	2.8	104
84	Parallel Multifunctionalization of Nanoparticles: A One-Step Modular Approach for in Vivo Imaging. <i>Bioconjugate Chemistry</i> , 2015, 26, 153-160.	3.6	39
85	Microwave-driven synthesis of bisphosphonate nanoparticles allows in vivo visualisation of atherosclerotic plaque. <i>RSC Advances</i> , 2015, 5, 1661-1665.	3.6	16
86	In Vivo 18F-FDG-PET Imaging in Mouse Atherosclerosis. <i>Methods in Molecular Biology</i> , 2015, 1339, 377-386.	0.9	4
87	Magnetic Resonance Imaging of the Atherosclerotic Mouse Aorta. <i>Methods in Molecular Biology</i> , 2015, 1339, 387-394.	0.9	4
88	Phosphatidylcholine-Coated Iron Oxide Nanomicelles for In Vivo Prolonged Circulation Time with an Antibiofouling Protein Corona. <i>Chemistry - A European Journal</i> , 2014, 20, 16662-16671.	3.3	26
89	Neutrophils scan for activated platelets to initiate inflammation. <i>Science</i> , 2014, 346, 1234-1238.	12.6	516
90	Metabolomics Reveals Metabolite Changes in Acute Pulmonary Embolism. <i>Journal of Proteome Research</i> , 2014, 13, 805-816.	3.7	45

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91	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, 1706-1711.	5.0	85
92	Systems medicine: A new approach to clinical practice. <i>Archivos De Bronconeumologia</i> , 2014, 50, 444-451.	0.8	13
93	β 3 adrenergic receptor selective stimulation during ischemia/reperfusion improves cardiac function in translational models through inhibition of mPTP opening in cardiomyocytes. <i>Basic Research in Cardiology</i> , 2014, 109, 422.	5.9	63
94	Medicina de sistemas: una nueva visi3n de la pr3ctica cl3nica. <i>Archivos De Bronconeumologia</i> , 2014, 50, 444-451.	0.8	9
95	Superparamagnetic Nanoparticles for Atherosclerosis Imaging. <i>Nanomaterials</i> , 2014, 4, 408-438.	4.1	25
96	A Metabolomic Approach to the Pathogenesis of Ventilator-induced Lung Injury. <i>Anesthesiology</i> , 2014, 120, 694-702.	2.5	21
97	Gene Silencing of SOCS3 by siRNA Intranasal Delivery Inhibits Asthma Phenotype in Mice. <i>PLoS ONE</i> , 2014, 9, e91996.	2.5	34
98	Fingerprinting-based metabolomic approach with LC-MS to sleep apnea and hypopnea syndrome: A pilot study. <i>Electrophoresis</i> , 2013, 34, 2873-2881.	2.4	45
99	Hybrid microparticles for drug delivery and magnetic resonance imaging. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101B, 498-505.	3.4	13
100	Influence of ambient air on NMR-based metabolomics of exhaled breath condensates. <i>European Respiratory Journal</i> , 2012, 40, 1294-1296.	6.7	3
101	Role of Peroxynitrite in Sepsis-Induced Acute Kidney Injury in an Experimental Model of Sepsis in Rats. <i>Shock</i> , 2012, 38, 403-410.	2.1	39
102	Olefin metathesis for the functionalization of superparamagnetic nanoparticles. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2012, 1, 166-172.	0.9	9
103	Superparamagnetic iron oxide nanoparticles conjugated to a grass pollen allergen and an optical probe. <i>Contrast Media and Molecular Imaging</i> , 2012, 7, 435-439.	0.8	9
104	Dynamic Ventilation ^3He MRI for the Quantification of Disease in the Rat Lung. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 777-786.	4.2	5
105	Apparent diffusion coefficient of hyperpolarized ^3He with minimal influence of the residual gas in small animals. <i>NMR in Biomedicine</i> , 2012, 25, 1026-1032.	2.8	3
106	Uniform Magnetite Nanoparticles Larger Than 20 nm Synthesized by an Aqueous Route. <i>Springer Proceedings in Physics</i> , 2012, , 379-379.	0.2	0
107	MRI texture analysis as means for addressing rehydration and milk diffusion in cereals. <i>Procedia Food Science</i> , 2011, 1, 625-631.	0.6	1
108	Gradient-enhanced heteronuclear correlation spectroscopy: Theory and experimental aspects. <i>Journal of Magnetic Resonance</i> , 2011, 213, 446-466.	2.1	13

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109	Descriptive review of current NMR-based metabolomic data analysis packages. Progress in Nuclear Magnetic Resonance Spectroscopy, 2011, 59, 263-270.	7.5	51
110	A metabolomic approach for diagnosis of experimental sepsis. Intensive Care Medicine, 2011, 37, 2023-2032.	8.2	80
111	The application of nanoparticles in gene therapy and magnetic resonance imaging. Microscopy Research and Technique, 2011, 74, 577-591.	2.2	40
112	Fluorine (¹⁹ F) MRS and MRI in biomedicine. NMR in Biomedicine, 2011, 24, 114-129.	2.8	429
113	Use of perfluorocarbon nanoparticles for noninvasive multimodal cell tracking of human pancreatic islets. Contrast Media and Molecular Imaging, 2011, 6, 251-259.	0.8	83
114	Fluorocapsules for Improved Function, Immunoprotection, and Visualization of Cellular Therapeutics with MR, US, and CT Imaging. Radiology, 2011, 258, 182-191.	7.3	100
115	Is NMR-based metabolomic analysis of exhaled breath condensate accurate?. European Respiratory Journal, 2011, 37, 468-470.	6.7	25
116	A metabolomic approach to evaluate COPD in a model of cigarette smoke exposure in mice. Metabolomics, 2010, 6, 564-573.	3.0	8
117	A MRI and Polarized Gases Compatible Respirator and Gas Administrator for the Study of the Small Animal Lung: Volume Measurement and Control. IEEE Transactions on Biomedical Engineering, 2010, 57, 1745-1749.	4.2	5
118	Optimization of magnetosonoporation for stem cell labeling. NMR in Biomedicine, 2010, 23, 480-484.	2.8	14
119	Gene expression profiling reveals early cellular responses to intracellular magnetic labeling with superparamagnetic iron oxide nanoparticles. Magnetic Resonance in Medicine, 2010, 63, 1031-1043.	3.0	99
120	Magnetosonoporation: Instant magnetic labeling of stem cells. Magnetic Resonance in Medicine, 2010, 63, 1437-1441.	3.0	23
121	New Murine Sub-massive Pulmonary Embolism Model, Sensitive To Both Clinical Treatments And Diagnostic Techniques. , 2010, , .		0
122	Liver and brain imaging through dimercaptosuccinic acid-coated iron oxide nanoparticles. Nanomedicine, 2010, 5, 397-408.	3.3	64
123	A novel R-package graphic user interface for the analysis of metabolomic profiles. BMC Bioinformatics, 2009, 10, 363.	2.6	54
124	Long-range diffusion of hyperpolarized ³ He in rats. Magnetic Resonance in Medicine, 2009, 61, 54-58.	3.0	7
125	Random Walk Simulation of the MRI Apparent Diffusion Coefficient in a Geometrical Model of the Acinar Tree. Biophysical Journal, 2009, 97, 656-664.	0.5	10
126	Magnetic Resonance Methods and Applications in Pharmaceutical Research. Journal of Pharmaceutical Sciences, 2008, 97, 3637-3665.	3.3	15

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127	In vivo "hot spot" MR imaging of neural stem cells using fluorinated nanoparticles. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 1506-1511.	3.0	143
128	A New Method for the Rapid Synthesis of Water Stable Superparamagnetic Nanoparticles. <i>Chemistry - A European Journal</i> , 2008, 14, 9126-9130.	3.3	32
129	Aerosols and gaseous contrast agents for magnetic resonance imaging of the lung. <i>Contrast Media and Molecular Imaging</i> , 2008, 3, 173-190.	0.8	31
130	A new method for the aqueous functionalization of superparamagnetic Fe ₂ O ₃ nanoparticles. <i>Contrast Media and Molecular Imaging</i> , 2008, 3, 215-222.	0.8	26
131	Quantification of water compartmentation in cell suspensions by diffusion-weighted and T2-weighted MRI. <i>Magnetic Resonance Imaging</i> , 2008, 26, 88-102.	1.8	35
132	Non-destructive seed detection in mandarins: Comparison of automatic threshold methods in FLASH and COMSPIRA MRIs. <i>Postharvest Biology and Technology</i> , 2008, 47, 189-198.	6.0	39
133	Dual-Modality Monitoring of Targeted Intraarterial Delivery of Mesenchymal Stem Cells After Transient Ischemia. <i>Stroke</i> , 2008, 39, 1569-1574.	2.0	371
134	MODELING FOR METABONOMIC FINGERPRINT ASSIGNMENT IN OLIVE FRUITS. <i>Acta Horticulturae</i> , 2008, , 393-400.	0.2	0
135	CMR 2007: 11.01: PFOB trimodal microcapsules for immunoprotection and visualization of cellular therapeutics with ultrasound, CT and MRI. <i>Contrast Media and Molecular Imaging</i> , 2007, 2, 297-298.	0.8	0
136	Changes in water status of cherimoya fruit during ripening. <i>Postharvest Biology and Technology</i> , 2007, 45, 147-150.	6.0	26
137	The novel DNA methylation inhibitor zebularine is effective against the development of murine T-cell lymphoma. <i>Blood</i> , 2006, 107, 1174-1177.	1.4	64
138	On-line Identification of Seeds in Mandarins with Magnetic Resonance Imaging. <i>Biosystems Engineering</i> , 2006, 95, 529-536.	4.3	31
139	Magneto-electroporation: improved labeling of neural stem cells and leukocytes for cellular magnetic resonance imaging using a single FDA-approved agent. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2006, 2, 89-94.	3.3	81
140	COMSPIRA3D: A combined approach to radial and spiral 3D MRI. <i>Concepts in Magnetic Resonance Part B</i> , 2006, 29B, 115-124.	0.7	2
141	A fully MRI-compatible animal ventilator for special-gas mixing applications. <i>Concepts in Magnetic Resonance Part B</i> , 2005, 26B, 93-103.	0.7	5
142	Detection of seeds in citrus using MRI under motion conditions and improvement with motion correction. <i>Concepts in Magnetic Resonance Part B</i> , 2005, 26B, 81-92.	0.7	22
143	In vivo diffusion weighted ¹⁹ F MRI using SF ₆ . <i>Magnetic Resonance in Medicine</i> , 2005, 54, 460-463.	3.0	36
144	Fe-based nanoparticulate metallic alloys as contrast agents for magnetic resonance imaging. <i>Biomaterials</i> , 2005, 26, 5695-5703.	11.4	115

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145	On a Gradient-based Evolution Strategy for Parametric Illumination Correction. , 2005, , 61-72.		0
146	Cooperation between Cdk4 and p27kip1 in Tumor Development: A Preclinical Model to Evaluate Cell Cycle Inhibitors with Therapeutic Activity. Cancer Research, 2005, 65, 3846-3852.	0.9	55
147	Diffusion-weighted 19F-MRI of lung periphery: Influence of pressure and airâ€“SF6 composition on apparent diffusion coefficients. Respiratory Physiology and Neurobiology, 2005, 148, 43-56.	1.6	27
148	MODELLING PHASE-SHIFT FOR MOTION CORRECTION IN MRI ON-LINE APPLICATIONS. Acta Horticulturae, 2005, , 173-179.	0.2	0
149	Interventional magnetic resonance imaging for guiding gene and cell transfer in the heart. British Heart Journal, 2004, 90, 87-91.	2.1	21
150	High-b-Value Diffusion-weighted MR Imaging for Pretreatment Prediction and Early Monitoring of Tumor Response to Therapy in Mice. Radiology, 2004, 232, 685-692.	7.3	155
151	Comparative study of ferrofluids based on dextran-coated iron oxide and metal nanoparticles for contrast agents in magnetic resonance imaging. Nanotechnology, 2004, 15, S154-S159.	2.6	88
152	Detection of freeze injury in oranges by magnetic resonance imaging of moving samples. Applied Magnetic Resonance, 2004, 26, 431-445.	1.2	34
153	Magnetic resonance microscopy versus light microscopy in human embryology teaching. Clinical Anatomy, 2004, 17, 429-435.	2.7	7
154	COMSPIRA: A common approach to spiral and radial MRI. , 2004, 20B, 40-44.		13
155	Automatic tuning and matching of a small multifrequency saddle coil at 4.7 T. Magnetic Resonance in Medicine, 2004, 51, 869-873.	3.0	22
156	Colloidal dispersions of maghemite nanoparticles produced by laser pyrolysis with application as NMR contrast agents. Journal Physics D: Applied Physics, 2004, 37, 2054-2059.	2.8	54
157	The acid metabolism of Annona fruit during ripening. Journal of Horticultural Science and Biotechnology, 2004, 79, 472-478.	1.9	7
158	Contrast agents for MRI based on iron oxide nanoparticles prepared by laser pyrolysis. Journal of Magnetism and Magnetic Materials, 2003, 266, 102-109.	2.3	105
159	Magnetic resonance spectrometer controller and data postprocessing software. , 2003, 16B, 1-14.		2
160	Computer-assisted enhanced volumetric segmentation magnetic resonance imaging data using a mixture of artificial neural networks. Magnetic Resonance Imaging, 2003, 21, 901-912.	1.8	23
161	Helium-3 MRI diffusion coefficient: correlation to morphometry in a model of mild emphysema. European Respiratory Journal, 2003, 22, 14-19.	6.7	128
162	Reactive oxygen species mediate the down-regulation of mitochondrial transcripts and proteins by tumour necrosis factor-alpha in L929 cells. Biochemical Journal, 2003, 370, 609-619.	3.7	20

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