

# Andreas

## List of Publications by Year in descending order

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46  
papers

1,583  
citations

257450

24  
h-index

302126

39  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2196  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spreading of Vasogenic Edema and Cytotoxic Edema Assessed by Quantitative Diffusion and T2 Magnetic Resonance Imaging. <i>Stroke</i> , 1997, 28, 419-427.	2.0	181
2	Increased regional cerebral glucose uptake in an APP/PS1 model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012, 33, 1995-2005.	3.1	95
3	In vivo MRI and histological evaluation of brain atrophy in APP/PS1 transgenic mice. <i>Neurobiology of Aging</i> , 2006, 27, 835-847.	3.1	91
4	Cerebral T2-Weighted Signal Decrease During Aging in the Mouse Lemur Primate Reflects Iron Accumulation. <i>Neurobiology of Aging</i> , 1998, 19, 65-69.	3.1	87
5	High-resolution proton nuclear magnetic resonance spectroscopy of ovarian cyst fluid. <i>NMR in Biomedicine</i> , 2000, 13, 297-305.	2.8	87
6	A New Model of Experimental Prosthetic Joint Infection Due to Methicillin-Resistant <i>Staphylococcus aureus</i> : A Microbiologic, Histopathologic, and Magnetic Resonance Imaging Characterization. <i>Journal of Infectious Diseases</i> , 1996, 174, 414-417.	4.0	81
7	Age-related evolution of amyloid burden, iron load, and MR relaxation times in a transgenic mouse model of Alzheimer's disease. <i>Neurobiology of Disease</i> , 2006, 22, 199-208.	4.4	79
8	Age-associated cerebral atrophy in mouse lemur primates. <i>Neurobiology of Aging</i> , 2011, 32, 894-906.	3.1	72
9	Age-related cerebral atrophy in nonhuman primates predicts cognitive impairments. <i>Neurobiology of Aging</i> , 2012, 33, 1096-1109.	3.1	69
10	Magnetic resonance imaging and histological studies of corpus callosal and hippocampal abnormalities linked to <i>doublecortin</i> deficiency. <i>Journal of Comparative Neurology</i> , 2007, 500, 239-254.	1.6	64
11	Characterization of in vivo MRI detectable thalamic amyloid plaques from APP/PS1 mice. <i>Neurobiology of Aging</i> , 2009, 30, 41-53.	3.1	53
12	NRL and CRX Define Photoreceptor Identity and Reveal Subgroup-Specific Dependencies in Medulloblastoma. <i>Cancer Cell</i> , 2018, 33, 435-449.e6.	16.8	52
13	MRI description of cerebral atrophy in mouse lemur primates. <i>Neurobiology of Aging</i> , 2000, 21, 81-88.	3.1	48
14	<sup>23</sup> Na MRI longitudinal follow-up of PDT in a xenograft model of human retinoblastoma. <i>Photodiagnosis and Photodynamic Therapy</i> , 2009, 6, 214-220.	2.6	42
15	Meningioma progression in mice triggered by Nf2 and Cdkn2ab inactivation. <i>Oncogene</i> , 2013, 32, 4264-4272.	5.9	41
16	Bolus-tracking MRI with a simultaneous T <sub>1</sub> and T <sub>2</sub> measurement. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 672-681.	3.0	38
17	Passive staining: A novel ex vivo MRI protocol to detect amyloid deposits in mouse models of Alzheimer's disease. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 687-693.	3.0	37
18	Simultaneous dynamic T <sub>1</sub> and T <sub>2</sub> * measurement for AIF assessment combined with DCE MRI in a mouse tumor model. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2007, 20, 193-203.	2.0	35

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19	Regional atrophy in the brain of lissencephalic mouse lemur primates: Measurement by automatic histogram-based segmentation of MR images. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 984-992.	3.0	30
20	Transverse relaxation time reflects brain amyloidosis in young APP/PS1 transgenic mice. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 179-184.	3.0	30
21	T2-weighted MRI Studies of Mouse Lemurs: A Primate Model of Brain Aging. <i>Neurobiology of Aging</i> , 1997, 18, 517-521.	3.1	26
22	Direct in vivo observation of 5-fluorouracil release from a prodrug in human tumors heterotransplanted in nude mice: a magnetic resonance study. <i>NMR in Biomedicine</i> , 2000, 13, 306-310.	2.8	25
23	Morphological and carbogen-based functional MRI of a chemically induced liver tumor model in mice. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 522-530.	3.0	24
24	Detection of vascular alterations by in vivo magnetic resonance angiography and histology in APP/PS1 mouse model of Alzheimer's disease. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2010, 23, 53-64.	2.0	24
25	Chemical shift-specific slice selection. A new method for chemical shift imaging at high magnetic field. <i>Journal of Magnetic Resonance</i> , 1987, 71, 168-174.	0.5	22
26	Comparative NMR study of a differentiated rat hepatoma and its dedifferentiated subclone cultured as spheroids and as implanted tumors. <i>NMR in Biomedicine</i> , 1994, 7, 278-286.	2.8	19
27	Evaluation of a rabbit model for osteomyelitis by high field, high resolution imaging using the chemical-shift-specific-slice-selection technique. <i>Magnetic Resonance Imaging</i> , 1994, 12, 1039-1046.	1.8	17
28	Magnetic resonance imaging for the visualization of cholesterol gallstones in hamster fed a new high sucrose lithogenic diet. <i>Journal of Hepatology</i> , 1995, 22, 486-494.	3.7	15
29	$T_2$ relaxivity contrast imaging: First results. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1430-1437.	3.0	12
30	Relationship between tumour growth rate and carbogen-based functional MRI for a chemically induced HCC in mice. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2004, 17, 271-280.	2.0	11
31	In vitro setup to study permeability characteristics of contrast agents by MRI. <i>Contrast Media and Molecular Imaging</i> , 2009, 4, 66-72.	0.8	11
32	2D and 3D radial multi-echo DCE MRI in murine tumor models with dynamic $T_2$ -corrected $T_1$ mapping. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 313-318.	3.0	11
33	Early Effects of Combretastatin A4 Phosphate Assessed by Anatomic and Carbogen-Based Functional Magnetic Resonance Imaging on Rat Bladder Tumors Implanted in Nude Mice. <i>Neoplasia</i> , 2006, 8, 587-595.	5.3	10
34	Two-dimensional heteronuclear relayed incoherent transfer spectroscopy. <i>Journal of Magnetic Resonance</i> , 1985, 63, 605-611.	0.5	8
35	Age dependence of the T2-weighted MRI signal in brain structures of a prosimian primate ( <i>Microcebus</i> ). <i>Journal of Magnetic Resonance</i> , 2001, 15, 107-114.	2.1	7
36	An efficient design for birdcage probes dedicated to small-animal imaging experiments. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2004, 17, 363-371.	2.0	6

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37	On the use of $R_1$ and $R_2^*$ for measurement of contrast agent concentration in isolated perfused rat liver. <i>NMR in Biomedicine</i> , 2003, 16, 276-285.	2.8	4
38	Radial multigradient-echo DCE-MRI for 3D $K^{\text{trans}}$ mapping with individual arterial input function measurement in mouse tumor models. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 823-828.	3.0	4
39	An experimental approach for dynamic rat liver observation in vivo and ex vivo by $^{31}\text{P}$ localized MR spectroscopy for follow-up of liver status at different steps of orthotopic transplantation—a feasibility study. <i>NMR in Biomedicine</i> , 1994, 7, 366-373.	2.8	3
40	The effects of a butanediol treatment on acute focal cerebral ischemia assessed by quantitative diffusion and T2 MR imaging. <i>Magnetic Resonance Imaging</i> , 1997, 15, 1045-1055.	1.8	3
41	Heteronuclear directed site-selective NOESY spectroscopy by polarization transfer or multiple quantum filtering. <i>Magnetic Resonance in Chemistry</i> , 1988, 26, 78-84.	1.9	2
42	In vivo gallbladder bile diffusion coefficient measurement by diffusion-weighted echo planar imaging in hamster fed normal and lithogenic diets. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 854-859.	3.0	2
43	New method for quantification of intratumoral heterogeneity: a feasibility study on $K^{\text{trans}}$ maps from preclinical DCE-MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 845-857.	2.0	2
44	High-resolution localized spectroscopy at 4.7 tesla by frequency-interval-Selective volume localization (FRIVOL). <i>Journal of Magnetic Resonance</i> , 1988, 76, 386-392.	0.5	1
45	Tumor tissue analysis by self organizing maps from combined DCE-/DSC-MRI data. , 2009, , .		1
46	Stroke outcome determination with a prefabricated fibrin-rich macroclot in a thromboembolic rat middle cerebral artery occlusion model. <i>Fibrinolysis and Proteolysis</i> , 1999, 13, 193-201.	1.1	0