

# Mikko I Kettunen

## List of Publications by Year in descending order

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118  
papers

9,734  
citations

41344

49  
h-index

36028

97  
g-index

120  
all docs

120  
docs citations

120  
times ranked

10739  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detecting tumor response to treatment using hyperpolarized <sup>13</sup> C magnetic resonance imaging and spectroscopy. <i>Nature Medicine</i> , 2007, 13, 1382-1387.	30.7	825
2	Magnetic resonance imaging of pH in vivo using hyperpolarized <sup>13</sup> C-labelled bicarbonate. <i>Nature</i> , 2008, 453, 940-943.	27.8	796
3	Inhibition of lymphangiogenesis with resulting lymphedema in transgenic mice expressing soluble VEGF receptor-3. <i>Nature Medicine</i> , 2001, 7, 199-205.	30.7	687
4	A model for gene therapy of human hereditary lymphedema. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 12677-12682.	7.1	538
5	VEGF-D Is the Strongest Angiogenic and Lymphangiogenic Effector Among VEGFs Delivered Into Skeletal Muscle via Adenoviruses. <i>Circulation Research</i> , 2003, 92, 1098-1106.	4.5	374
6	Production of hyperpolarized [1,4- <sup>13</sup> C <sub>2</sub> ]malate from [1,4- <sup>13</sup> C <sub>2</sub> ]fumarate is a marker of cell necrosis and treatment response in tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19801-19806.	7.1	328
7	Magnetic resonance imaging of tumor glycolysis using hyperpolarized <sup>13</sup> C-labeled glucose. <i>Nature Medicine</i> , 2014, 20, 93-97.	30.7	298
8	Tumor imaging using hyperpolarized <sup>13</sup> C magnetic resonance spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 505-519.	3.0	229
9	Disruption of mouse Slx4, a regulator of structure-specific nucleases, phenocopies Fanconi anemia. <i>Nature Genetics</i> , 2011, 43, 147-152.	21.4	182
10	Hyperpolarized [1- <sup>13</sup> C]-Ascorbic and Dehydroascorbic Acid: Vitamin C as a Probe for Imaging Redox Status in Vivo. <i>Journal of the American Chemical Society</i> , 2011, 133, 11795-11801.	13.7	177
11	Expression of Vascular Endothelial Growth Factor and Vascular Endothelial Growth Factor Receptor-2 (KDR/Flk-1) in Ischemic Skeletal Muscle and Its Regeneration. <i>American Journal of Pathology</i> , 2002, 160, 1393-1403.	3.8	168
12	The Link Between Nutritional Status and Insulin Sensitivity Is Dependent on the Adipocyte-Specific Peroxisome Proliferator-Activated Receptor- $\alpha$ Isoform. <i>Diabetes</i> , 2005, 54, 1706-1716.	0.6	157
13	Detecting response of rat C6 glioma tumors to radiotherapy using hyperpolarized [ <sup>13</sup> C]pyruvate and <sup>13</sup> C magnetic resonance spectroscopic imaging. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 557-563.	3.0	152
14	$\beta$ 2-Amyloid precursor protein transgenic mice that harbor diffuse A $\beta$ deposits but do not form plaques show increased ischemic vulnerability: Role of inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1610-1615.	7.1	151
15	<sup>13</sup> C MR spectroscopy measurements of glutaminase activity in human hepatocellular carcinoma cells using hyperpolarized <sup>13</sup> C-labeled glutamine. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 253-257.	3.0	148
16	Fibroblast growth factor $\alpha$ 4 induces vascular permeability, angiogenesis, and arteriogenesis in a rabbit hind limb ischemia model. <i>FASEB Journal</i> , 2003, 17, 100-102.	0.5	136
17	Kinetic Modeling of Hyperpolarized <sup>13</sup> C Label Exchange between Pyruvate and Lactate in Tumor Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 24572-24580.	3.4	133
18	Progression of Brain Damage after Status Epilepticus and Its Association with Epileptogenesis: A Quantitative MRI Study in a Rat Model of Temporal Lobe Epilepsy. <i>Epilepsia</i> , 2004, 45, 1024-1034.	5.1	132

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19	Effects of hematocrit and oxygen saturation level on blood spin-lattice relaxation. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 568-571.	3.0	128
20	Superparamagnetic Iron Oxide-Labeled Schwann Cells and Olfactory Ensheathing Cells Can Be Traced In Vivo by Magnetic Resonance Imaging and Retain Functional Properties after Transplantation into the CNS. <i>Journal of Neuroscience</i> , 2004, 24, 9799-9810.	3.6	125
21	Detecting treatment response in a model of human breast adenocarcinoma using hyperpolarised [1- <sup>13</sup> C]pyruvate and [1,4- <sup>13</sup> C <sub>2</sub> ]fumarate. <i>British Journal of Cancer</i> , 2010, 103, 1400-1406.	6.4	124
22	Structurally altered basement membranes and hydrocephalus in a type XVIII collagen deficient mouse line. <i>Human Molecular Genetics</i> , 2004, 13, 2089-2099.	2.9	121
23	Biomedical applications of hyperpolarized <sup>13</sup> C magnetic resonance imaging. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2009, 55, 285-295.	7.5	121
24	Enhanced Polyamine Catabolism Alters Homeostatic Control of White Adipose Tissue Mass, Energy Expenditure, and Glucose Metabolism. <i>Molecular and Cellular Biology</i> , 2007, 27, 4953-4967.	2.3	120
25	Loss of NRF-2 and PGC-1 $\beta$ genes leads to retinal pigment epithelium damage resembling dry age-related macular degeneration. <i>Redox Biology</i> , 2019, 20, 1-12.	9.0	117
26	Minocycline Protects against Permanent Cerebral Ischemia in Wild Type but Not in Matrix Metalloprotease-9-Deficient Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 460-467.	4.3	115
27	Assignment of <sup>1</sup> H nuclear magnetic resonance visible polyunsaturated fatty acids in BT4C gliomas undergoing ganciclovir-thymidine kinase gene therapy-induced programmed cell death. <i>Cancer Research</i> , 2003, 63, 3195-201.	0.9	111
28	Magnetization transfer measurements of exchange between hyperpolarized [1- <sup>13</sup> C]pyruvate and [1- <sup>13</sup> C]lactate in a murine lymphoma. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 872-880.	3.0	107
29	A Comparison between Radiolabeled Fluorodeoxyglucose Uptake and Hyperpolarized <sup>13</sup> C-Labeled Pyruvate Utilization as Methods for Detecting Tumor Response to Treatment. <i>Neoplasia</i> , 2009, 11, 574-IN11.	5.3	104
30	Magnetic resonance imaging with hyperpolarized [1,4- <sup>13</sup> C <sub>2</sub> ]fumarate allows detection of early renal acute tubular necrosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13374-13379.	7.1	99
31	Early Detection of Irreversible Cerebral Ischemia in the Rat Using Dispersion of the Magnetic Resonance Imaging Relaxation Time, T1 $\rho$ . <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 1457-1466.	4.3	95
32	Direct Enhancement of Nuclear Singlet Order by Dynamic Nuclear Polarization. <i>Journal of the American Chemical Society</i> , 2012, 134, 7668-7671.	13.7	94
33	Imaging $\text{pH}$ with hyperpolarized <sup>13</sup> C. <i>NMR in Biomedicine</i> , 2011, 24, 1006-1015.	2.8	93
34	Dual-modality gene reporter for in vivo imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 415-420.	7.1	91
35	Proton Exchange as a Relaxation Mechanism for T1 in the Rotating Frame in Native and Immobilized Protein Solutions. <i>Biochemical and Biophysical Research Communications</i> , 2001, 289, 813-818.	2.1	84
36	Detection of Cell Death in Tumors by Using MR Imaging and a Gadolinium-based Targeted Contrast Agent. <i>Radiology</i> , 2008, 246, 854-862.	7.3	78

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37	Status Epilepticus in 12-day-old Rats Leads to Temporal Lobe Neurodegeneration and Volume Reduction: A Histologic and MRI Study. <i>Epilepsia</i> , 2006, 47, 479-488.	5.1	74
38	Hyperpolarized <sup>13</sup> C Spectroscopy Detects Early Changes in Tumor Vasculature and Metabolism after VEGF Neutralization. <i>Cancer Research</i> , 2012, 72, 854-864.	0.9	73
39	Detection of Apoptosis Using the C2A Domain of Synaptotagmin I. <i>Bioconjugate Chemistry</i> , 2004, 15, 983-987.	3.6	72
40	MRI with hyperpolarised [ <sup>13</sup> C]pyruvate detects advanced pancreatic preneoplasia prior to invasive disease in a mouse model. <i>Gut</i> , 2016, 65, 465-475.	12.1	71
41	Effects of intracellular pH, blood, and tissue oxygen tension on T <sub>1</sub> relaxation in rat brain. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 470-477.	3.0	70
42	Metabolite Changes in BT4C Rat Gliomas Undergoing Ganciclovir-Thymidine Kinase Gene Therapy-induced Programmed Cell Death as Studied by <sup>1</sup> H NMR Spectroscopy in Vivo, ex Vivo, and in Vitro. <i>Journal of Biological Chemistry</i> , 2003, 278, 45915-45923.	3.4	66
43	Detection of Tumor Response to a Vascular Disrupting Agent by Hyperpolarized <sup>13</sup> C Magnetic Resonance Spectroscopy. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 3278-3288.	4.1	66
44	<sup>1</sup> H MRS-visible lipids accumulate during apoptosis of lymphoma cells in vitro and in vivo. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 43-50.	3.0	65
45	Water diffusion in a rat glioma during ganciclovir-thymidine kinase gene therapy-induced programmed cell death in vivo: Correlation with cell density. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 19, 389-396.	3.4	57
46	Detection of tumor glutamate metabolism in vivo using <sup>13</sup> C magnetic resonance spectroscopy and hyperpolarized [ <sup>13</sup> C]glutamate. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 18-23.	3.0	55
47	Graded Reduction of Cerebral Blood Flow in Rat as Detected by the Nuclear Magnetic Resonance Relaxation Time T <sub>2</sub> : A Theoretical and Experimental Approach. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 316-326.	4.3	54
48	Hyperpolarized singlet lifetimes of pyruvate in human blood and in the mouse. <i>NMR in Biomedicine</i> , 2013, 26, 1696-1704.	2.8	54
49	Hyperpolarized <sup>13</sup> C MRI and PET: In Vivo Tumor Biochemistry. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1333-1336.	5.0	52
50	Probing Lactate Dehydrogenase Activity in Tumors by Measuring Hydrogen/Deuterium Exchange in Hyperpolarized [ <sup>13</sup> C, <sup>2</sup> H]Lactate. <i>Journal of the American Chemical Society</i> , 2012, 134, 4969-4977.	13.7	49
51	Analysis of image heterogeneity using 2D Minkowski functionals detects tumor responses to treatment. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 402-410.	3.0	46
52	Cerebral T <sub>1</sub> relaxation time increases immediately upon global ischemia in the rat independently of blood glucose and anoxic depolarization. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 565-572.	3.0	45
53	Spin echo measurements of the extravasation and tumor cell uptake of hyperpolarized [ <sup>13</sup> C]lactate and [ <sup>13</sup> C]pyruvate. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1200-1209.	3.0	45
54	Interrelations of T <sub>1</sub> and diffusion of water in acute cerebral ischemia of the rat. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 833-839.	3.0	40

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55	Quantitative T1 and Magnetization Transfer Magnetic Resonance Imaging of Acute Cerebral Ischemia in the Rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 547-558.	4.3	40
56	Long-term protective effect of atorvastatin in permanent focal cerebral ischemia. <i>Brain Research</i> , 2005, 1052, 174-179.	2.2	40
57	Carbonic Anhydrase Activity Monitored <i>In Vivo</i> by Hyperpolarized <sup>13</sup> C-Magnetic Resonance Spectroscopy Demonstrates Its Importance for pH Regulation in Tumors. <i>Cancer Research</i> , 2015, 75, 4109-4118.	0.9	40
58	Tailored Dual PEGylation of Inorganic Porous Nanocarriers for Extremely Long Blood Circulation in Vivo. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32723-32731.	8.0	39
59	Amplification of TRIM44: Pairing a Prognostic Target With Potential Therapeutic Strategy. <i>Journal of the National Cancer Institute</i> , 2014, 106, .	6.3	38
60	In vivo single-shot <sup>13</sup> C spectroscopic imaging of hyperpolarized metabolites by spatiotemporal encoding. <i>Journal of Magnetic Resonance</i> , 2014, 240, 8-15.	2.1	38
61	Hyperpolarized [ <sup>2</sup> H, <sup>13</sup> C]Glucose reports on glycolytic and pentose phosphate pathway activity in EL4 tumors and glycolytic activity in yeast cells. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1543-1547.	3.0	38
62	Magnetic resonance imaging of functional Schwann cell transplants labelled with magnetic microspheres. <i>NeuroImage</i> , 2006, 31, 172-180.	4.2	37
63	Monitoring T-lymphocyte trafficking in tumors undergoing immune rejection. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 1473-1479.	3.0	35
64	Analysis of heterogeneity in T2-weighted MR images can differentiate pseudoprogression from progression in glioblastoma. <i>PLoS ONE</i> , 2017, 12, e0176528.	2.5	34
65	Low Spin-Lock Field T1 Relaxation in the Rotating Frame as a Sensitive MR Imaging Marker for Gene Therapy Treatment Response in Rat Glioma <sup>1</sup> . <i>Radiology</i> , 2007, 243, 796-803.	7.3	32
66	Assessing Oxidative Stress in Tumors by Measuring the Rate of Hyperpolarized [1- <sup>13</sup> C]Dehydroascorbic Acid Reduction Using <sup>13</sup> C Magnetic Resonance Spectroscopy. <i>Journal of Biological Chemistry</i> , 2017, 292, 1737-1748.	3.4	32
67	Apoptosis detection using magnetic resonance imaging and spectroscopy. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2005, 47, 175-185.	7.5	31
68	Detection of transgene expression using hyperpolarized <sup>13</sup> C urea and diffusion-weighted magnetic resonance spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1401-1406.	3.0	31
69	Use of spin echo T2 BOLD in assessment of cerebral misery perfusion at 1.5 T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2001, 12, 32-39.	2.0	30
70	A Paramagnetic Nanoprobe To Detect Tumor Cell Death Using Magnetic Resonance Imaging. <i>Nano Letters</i> , 2007, 7, 1419-1423.	9.1	29
71	HSV-tk gene therapy for human renal cell carcinoma in nude mice. <i>Cancer Gene Therapy</i> , 2001, 8, 529-536.	4.6	27
72	Quantitative Assessment of the Balance between Oxygen Delivery and Consumption in the Rat Brain after Transient Ischemia with T2-BOLD Magnetic Resonance Imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 262-270.	4.3	27

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73	Metabolic Consequences of p300 Gene Deletion in Human Colon Cancer Cells. <i>Cancer Research</i> , 2006, 66, 7606-7614.	0.9	27
74	B0dependence of the on-resonance longitudinal relaxation time in the rotating frame (T1 $\rho$ ) in protein phantoms and rat brain in vivo. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 4-8.	3.0	26
75	Imaging Glycosylation In Vivo by Metabolic Labeling and Magnetic Resonance Imaging. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1286-1290.	13.8	26
76	Development of Timd2 as a reporter gene for MRI. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1697-1707.	3.0	26
77	Cull(atsm) Attenuates Neuroinflammation. <i>Frontiers in Neuroscience</i> , 2018, 12, 668.	2.8	26
78	Novel magnetic resonance imaging contrasts for monitoring response to gene therapy in rat glioma. <i>Cancer Research</i> , 2003, 63, 7571-4.	0.9	25
79	Analysis of <sup>13</sup> C and <sup>14</sup> C labeling in pyruvate and lactate in tumor and blood of lymphoma-bearing mice injected with <sup>13</sup> C- and <sup>14</sup> C-labeled pyruvate. <i>NMR in Biomedicine</i> , 2018, 31, e3901.	2.8	23
80	The combination of HSV-tk and endostatin gene therapy eradicates orthotopic human renal cell carcinomas in nude mice. <i>Cancer Gene Therapy</i> , 2002, 9, 908-916.	4.6	21
81	Characterization of image heterogeneity using 2D Minkowski functionals increases the sensitivity of detection of a targeted MRI contrast agent. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 1218-1224.	3.0	21
82	<sup>13</sup> C magnetic resonance spectroscopic imaging of hyperpolarized [ <sup>13</sup> C, U- <sup>2</sup> H <sub>5</sub> ] ethanol oxidation can be used to assess aldehyde dehydrogenase activity in vivo. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1733-1740.	3.0	21
83	Diazepam binding inhibitor overexpression in mice causes hydrocephalus, decreases plasticity in excitatory synapses and impairs hippocampus-dependent learning. <i>Molecular and Cellular Neurosciences</i> , 2007, 34, 199-208.	2.2	20
84	Effects of fasting on serial measurements of hyperpolarized [ <sup>13</sup> C]pyruvate metabolism in tumors. <i>NMR in Biomedicine</i> , 2016, 29, 1048-1055.	2.8	18
85	Efficient penetration of ceric ammonium nitrate oxidant-stabilized gamma-maghemite nanoparticles through the oval and round windows into the rat inner ear as demonstrated by MRI. , 2017, 105, 1883-1891.		18
86	Dynamic MRI reconstruction from undersampled data with an anatomical prescan. <i>Inverse Problems</i> , 2018, 34, 074001.	2.0	16
87	Monitoring the CNS Pathology in Aspartylglucosaminuria Mice. <i>Journal of Neuropathology and Experimental Neurology</i> , 1998, 57, 1154-1163.	1.7	15
88	Implantable RF-coil with multiple electrodes for long-term EEG-fMRI monitoring in rodents. <i>Journal of Neuroscience Methods</i> , 2016, 274, 154-163.	2.5	15
89	Acute cerebral ischemia in rats studied by Carr-Purcell spin-echo magnetic resonance imaging: Assessment of blood oxygenation level-dependent and tissue effects on the transverse relaxation. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 1138-1146.	3.0	14
90	Behavioral and stereological characterization of <i>Hdc</i> KO mice: Relation to Tourette syndrome. <i>Journal of Comparative Neurology</i> , 2017, 525, 3476-3487.	1.6	14

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91	Quantitative $^{13}\text{C}$ NMR spectroscopy of rat cerebral metabolites in vivo: Effects of global ischemia. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 875-880.	3.0	13
92	Quantitation of a spin polarization-induced nuclear Overhauser effect (SPINOE) between a hyperpolarized $^{13}\text{C}$ -labeled cell metabolite and water protons. <i>Contrast Media and Molecular Imaging</i> , 2014, 9, 182-186.	0.8	13
93	Expression of Human Apolipoprotein E Downregulates Amyloid Precursor Protein-induced Ischemic Susceptibility. <i>Stroke</i> , 2002, 33, 1905-1910.	2.0	12
94	Designed inorganic porous nanovector with controlled release and MRI features for safe administration of doxorubicin. <i>International Journal of Pharmaceutics</i> , 2019, 554, 327-336.	5.2	12
95	Blood NMR relaxation in the rotating frame: mechanistic implications. <i>Archives of Biochemistry and Biophysics</i> , 2002, 405, 78-86.	3.0	11
96	Tumour Gene Therapy Monitoring Using Magnetic Resonance Imaging and Spectroscopy. <i>Current Gene Therapy</i> , 2005, 5, 685-696.	2.0	11
97	Sensitive, Efficient and Portable Analysis of Molecular Exchange Processes by Hyperpolarized Ultrafast NMR. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	11
98	Dispersion of cerebral on-resonance $T_1$ in the rotating frame ( $T_{1\rho}$ ) in global ischaemia. <i>Applied Magnetic Resonance</i> , 2005, 29, 89-106.	1.2	8
99	Imaging Glycosylation In Vivo by Metabolic Labeling and Magnetic Resonance Imaging. <i>Angewandte Chemie</i> , 2016, 128, 1308-1312.	2.0	8
100	$^{13}\text{C}$ magnetic resonance spectroscopy measurements with hyperpolarized [ $^{13}\text{C}$ ] pyruvate can be used to detect the expression of transgenic pyruvate decarboxylase activity in vivo. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 391-401.	3.0	8
101	Metabolism of hyperpolarised [ $^{13}\text{C}$ ]pyruvate in awake and anaesthetised rat brains. <i>NMR in Biomedicine</i> , 2022, 35, e4635.	2.8	7
102	State Estimation with Structural Priors in fMRI. <i>Journal of Mathematical Imaging and Vision</i> , 2018, 60, 174-188.	1.3	5
103	Assessment of the Relaxation-Enhancing Properties of a Nitroxide-Based Contrast Agent TEEPO-Glc with <i>In Vivo</i> Magnetic Resonance Imaging. <i>Contrast Media and Molecular Imaging</i> , 2019, 2019, 1-8.	0.8	5
104	Temporal Huber Regularization for DCE-MRI. <i>Journal of Mathematical Imaging and Vision</i> , 2020, 62, 1334-1346.	1.3	4
105	Immune-modulating and anti-vascular activities of two xanthenone acetic acid analogues: A comparative study to DMXAA. <i>International Journal of Oncology</i> , 1992, 34, 273.	3.3	3
106	Detection of lentiviral suicide gene therapy in C6 rat glioma using hyperpolarised [ $^{13}\text{C}$ ]pyruvate. <i>NMR in Biomedicine</i> , 2020, 33, e4250.	2.8	3
107	Cyclodextrin-Based Organic Radical Contrast Agents for <i>In Vivo</i> Imaging of Gliomas. <i>ChemPlusChem</i> , 2020, 85, 1171-1178.	2.8	3
108	Use of spin echo $T_2$ BOLD in assessment of cerebral misery perfusion at 1.5 T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2001, 12, 32-39.	2.0	2

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109	Data-Driven Regularization Parameter Selection in Dynamic MRI. <i>Journal of Imaging</i> , 2021, 7, 38.	3.0	1
110	Alcohol Co-Administration Changes Mephedrone-Induced Alterations of Neuronal Activity. <i>Frontiers in Pharmacology</i> , 2021, 12, 679759.	3.5	1
111	Inflammatory reaction in the retina after focal non-convulsive status epilepticus in mice investigated with high resolution magnetic resonance and diffusion tensor imaging. <i>Epilepsy Research</i> , 2021, 176, 106730.	1.6	1
112	Sensitive, Efficient and Portable Analysis of Molecular Exchange Processes by Hyperpolarized Ultrafast NMR. <i>Angewandte Chemie</i> , 0, , .	2.0	1
113	Röntgenbild: Imaging Glycosylation In Vivo by Metabolic Labeling and Magnetic Resonance Imaging ( <i>Angew. Chem.</i> 4/2016). <i>Angewandte Chemie</i> , 2016, 128, 1592-1592.	2.0	0
114	State estimation in dynamic MRI. , 2018, , .		0
115	Hyperpolarized MRI for Studying Tumor Metabolism. <i>Methods in Molecular Biology</i> , 2019, 1928, 409-426.	0.9	0
116	Molecular Imaging of Apoptosis. , 2007, , 183-198.		0
117	Tumor Gene Therapy: Magnetic Resonance Imaging and Magnetic Resonance Spectroscopy. , 2008, , 39-53.		0
118	State Estimation of Time-Varying MRI with Radial Golden Angle Sampling. <i>Journal of Mathematical Imaging and Vision</i> , 0, , .	1.3	0