

Mikko I Kettunen

List of Publications by Year in descending order

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118
papers

9,734
citations

41323

49
h-index

36008

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 ¹³ C magnetic resonance imaging and spectroscopy. <i>Nature Medicine</i> , 2007, 13, 1382-1387. | 15.2 | 825 |
| 2 | Magnetic resonance imaging of pH in vivo using hyperpolarized ¹³ C-labelled bicarbonate. <i>Nature</i> , 2008, 453, 940-943. | 13.7 | 796 |
| 3 | Inhibition of lymphangiogenesis with resulting lymphedema in transgenic mice expressing soluble VEGF receptor-3. <i>Nature Medicine</i> , 2001, 7, 199-205. | 15.2 | 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. | 3.3 | 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. | 2.0 | 374 |
| 6 | Production of hyperpolarized [1,4- ¹³ C ₂]malate from [1,4- ¹³ C ₂]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. | 3.3 | 328 |
| 7 | Magnetic resonance imaging of tumor glycolysis using hyperpolarized ¹³ C-labeled glucose. <i>Nature Medicine</i> , 2014, 20, 93-97. | 15.2 | 298 |
| 8 | Tumor imaging using hyperpolarized ¹³ C magnetic resonance spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 505-519. | 1.9 | 229 |
| 9 | Disruption of mouse Slx4, a regulator of structure-specific nucleases, phenocopies Fanconi anemia. <i>Nature Genetics</i> , 2011, 43, 147-152. | 9.4 | 182 |
| 10 | Hyperpolarized [1- ¹³ 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. | 6.6 | 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. | 1.9 | 168 |
| 12 | The Link Between Nutritional Status and Insulin Sensitivity Is Dependent on the Adipocyte-Specific Peroxisome Proliferator-Activated Receptor- α Isoform. <i>Diabetes</i> , 2005, 54, 1706-1716. | 0.3 | 157 |
| 13 | Detecting response of rat C6 glioma tumors to radiotherapy using hyperpolarized [¹³ C]pyruvate and ¹³ C magnetic resonance spectroscopic imaging. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 557-563. | 1.9 | 152 |
| 14 | β -Amyloid precursor protein transgenic mice that harbor diffuse A β 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. | 3.3 | 151 |
| 15 | ¹³ C MR spectroscopy measurements of glutaminase activity in human hepatocellular carcinoma cells using hyperpolarized ¹³ C-labeled glutamine. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 253-257. | 1.9 | 148 |
| 16 | Fibroblast growth factor-4 induces vascular permeability, angiogenesis, and arteriogenesis in a rabbit hind limb ischemia model. <i>FASEB Journal</i> , 2003, 17, 100-102. | 0.2 | 136 |
| 17 | Kinetic Modeling of Hyperpolarized ¹³ C Label Exchange between Pyruvate and Lactate in Tumor Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 24572-24580. | 1.6 | 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. | 2.6 | 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. | 1.9 | 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. | 1.7 | 125 |
| 21 | Detecting treatment response in a model of human breast adenocarcinoma using hyperpolarised [1- ¹³ C]pyruvate and [1,4- ¹³ C ₂]fumarate. <i>British Journal of Cancer</i> , 2010, 103, 1400-1406. | 2.9 | 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. | 1.4 | 121 |
| 23 | Biomedical applications of hyperpolarized ¹³ C magnetic resonance imaging. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2009, 55, 285-295. | 3.9 | 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. | 1.1 | 120 |
| 25 | Loss of NRF-2 and PGC-1 β genes leads to retinal pigment epithelium damage resembling dry age-related macular degeneration. <i>Redox Biology</i> , 2019, 20, 1-12. | 3.9 | 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. | 2.4 | 115 |
| 27 | Assignment of ¹ 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. | 0.4 | 111 |
| 28 | Magnetization transfer measurements of exchange between hyperpolarized [1- ¹³ C]pyruvate and [1- ¹³ C]lactate in a murine lymphoma. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 872-880. | 1.9 | 107 |
| 29 | A Comparison between Radiolabeled Fluorodeoxyglucose Uptake and Hyperpolarized ¹³ C-Labeled Pyruvate Utilization as Methods for Detecting Tumor Response to Treatment. <i>Neoplasia</i> , 2009, 11, 574-IN11. | 2.3 | 104 |
| 30 | Magnetic resonance imaging with hyperpolarized [1,4- ¹³ C ₂]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. | 3.3 | 99 |
| 31 | Early Detection of Irreversible Cerebral Ischemia in the Rat Using Dispersion of the Magnetic Resonance Imaging Relaxation Time, T1 ρ . <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 1457-1466. | 2.4 | 95 |
| 32 | Direct Enhancement of Nuclear Singlet Order by Dynamic Nuclear Polarization. <i>Journal of the American Chemical Society</i> , 2012, 134, 7668-7671. | 6.6 | 94 |
| 33 | Imaging pH with hyperpolarized ¹³ C. <i>NMR in Biomedicine</i> , 2011, 24, 1006-1015. | 1.6 | 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. | 3.3 | 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. | 1.0 | 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. | 3.6 | 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. | 2.6 | 74 |
| 38 | Hyperpolarized ¹³ C Spectroscopy Detects Early Changes in Tumor Vasculature and Metabolism after VEGF Neutralization. <i>Cancer Research</i> , 2012, 72, 854-864. | 0.4 | 73 |
| 39 | Detection of Apoptosis Using the C2A Domain of Synaptotagmin I. <i>Bioconjugate Chemistry</i> , 2004, 15, 983-987. | 1.8 | 72 |
| 40 | MRI with hyperpolarised [¹³ C]pyruvate detects advanced pancreatic preneoplasia prior to invasive disease in a mouse model. <i>Gut</i> , 2016, 65, 465-475. | 6.1 | 71 |
| 41 | Effects of intracellular pH, blood, and tissue oxygen tension on T1 ρ relaxation in rat brain. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 470-477. | 1.9 | 70 |
| 42 | Metabolite Changes in BT4C Rat Gliomas Undergoing Ganciclovir-Thymidine Kinase Gene Therapy-induced Programmed Cell Death as Studied by ¹ H NMR Spectroscopy in Vivo, ex Vivo, and in Vitro. <i>Journal of Biological Chemistry</i> , 2003, 278, 45915-45923. | 1.6 | 66 |
| 43 | Detection of Tumor Response to a Vascular Disrupting Agent by Hyperpolarized ¹³ C Magnetic Resonance Spectroscopy. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 3278-3288. | 1.9 | 66 |
| 44 | ¹ 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. | 1.9 | 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. | 1.9 | 57 |
| 46 | Detection of tumor glutamate metabolism in vivo using ¹³ C magnetic resonance spectroscopy and hyperpolarized [¹³ C]glutamate. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 18-23. | 1.9 | 55 |
| 47 | Graded Reduction of Cerebral Blood Flow in Rat as Detected by the Nuclear Magnetic Resonance Relaxation Time T2: A Theoretical and Experimental Approach. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 316-326. | 2.4 | 54 |
| 48 | Hyperpolarized singlet lifetimes of pyruvate in human blood and in the mouse. <i>NMR in Biomedicine</i> , 2013, 26, 1696-1704. | 1.6 | 54 |
| 49 | Hyperpolarized ¹³ C MRI and PET: In Vivo Tumor Biochemistry. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1333-1336. | 2.8 | 52 |
| 50 | Probing Lactate Dehydrogenase Activity in Tumors by Measuring Hydrogen/Deuterium Exchange in Hyperpolarized [¹³ C,U- ² H]Lactate. <i>Journal of the American Chemical Society</i> , 2012, 134, 4969-4977. | 6.6 | 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. | 1.9 | 46 |
| 52 | Cerebral T1 ρ 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. | 1.9 | 45 |
| 53 | Spin echo measurements of the extravasation and tumor cell uptake of hyperpolarized [¹³ C]lactate and [¹³ C]pyruvate. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1200-1209. | 1.9 | 45 |
| 54 | Interrelations of T1 and diffusion of water in acute cerebral ischemia of the rat. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 833-839. | 1.9 | 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. | 2.4 | 40 |
| 56 | Long-term protective effect of atorvastatin in permanent focal cerebral ischemia. <i>Brain Research</i> , 2005, 1052, 174-179. | 1.1 | 40 |
| 57 | Carbonic Anhydrase Activity Monitored <i>In Vivo</i> by Hyperpolarized ¹³ C-Magnetic Resonance Spectroscopy Demonstrates Its Importance for pH Regulation in Tumors. <i>Cancer Research</i> , 2015, 75, 4109-4118. | 0.4 | 40 |
| 58 | Tailored Dual PEGylation of Inorganic Porous Nanocarriers for Extremely Long Blood Circulation in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32723-32731. | 4.0 | 39 |
| 59 | Amplification of TRIM44: Pairing a Prognostic Target With Potential Therapeutic Strategy. <i>Journal of the National Cancer Institute</i> , 2014, 106, . | 3.0 | 38 |
| 60 | In vivo single-shot ¹³ C spectroscopic imaging of hyperpolarized metabolites by spatiotemporal encoding. <i>Journal of Magnetic Resonance</i> , 2014, 240, 8-15. | 1.2 | 38 |
| 61 | Hyperpolarized [² H, ¹³ 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. | 1.9 | 38 |
| 62 | Magnetic resonance imaging of functional Schwann cell transplants labelled with magnetic microspheres. <i>NeuroImage</i> , 2006, 31, 172-180. | 2.1 | 37 |
| 63 | Monitoring T-lymphocyte trafficking in tumors undergoing immune rejection. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 1473-1479. | 1.9 | 35 |
| 64 | Analysis of heterogeneity in T2-weighted MR images can differentiate pseudoprogression from progression in glioblastoma. <i>PLoS ONE</i> , 2017, 12, e0176528. | 1.1 | 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 ¹ . <i>Radiology</i> , 2007, 243, 796-803. | 3.6 | 32 |
| 66 | Assessing Oxidative Stress in Tumors by Measuring the Rate of Hyperpolarized [1- ¹³ C]Dehydroascorbic Acid Reduction Using ¹³ C Magnetic Resonance Spectroscopy. <i>Journal of Biological Chemistry</i> , 2017, 292, 1737-1748. | 1.6 | 32 |
| 67 | Apoptosis detection using magnetic resonance imaging and spectroscopy. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2005, 47, 175-185. | 3.9 | 31 |
| 68 | Detection of transgene expression using hyperpolarized ¹³ C urea and diffusion-weighted magnetic resonance spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1401-1406. | 1.9 | 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. | 1.1 | 30 |
| 70 | A Paramagnetic Nanoprobe To Detect Tumor Cell Death Using Magnetic Resonance Imaging. <i>Nano Letters</i> , 2007, 7, 1419-1423. | 4.5 | 29 |
| 71 | HSV-tk gene therapy for human renal cell carcinoma in nude mice. <i>Cancer Gene Therapy</i> , 2001, 8, 529-536. | 2.2 | 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. | 2.4 | 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. | 0.4 | 27 |
| 74 | B0dependence of the on-resonance longitudinal relaxation time in the rotating frame (T1 ρ) in protein phantoms and rat brain in vivo. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 4-8. | 1.9 | 26 |
| 75 | Imaging Glycosylation In Vivo by Metabolic Labeling and Magnetic Resonance Imaging. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1286-1290. | 7.2 | 26 |
| 76 | Development of Timd2 as a reporter gene for MRI. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1697-1707. | 1.9 | 26 |
| 77 | Cull(atsm) Attenuates Neuroinflammation. <i>Frontiers in Neuroscience</i> , 2018, 12, 668. | 1.4 | 26 |
| 78 | Novel magnetic resonance imaging contrasts for monitoring response to gene therapy in rat glioma. <i>Cancer Research</i> , 2003, 63, 7571-4. | 0.4 | 25 |
| 79 | Analysis of ¹³ C and ¹⁴ C labeling in pyruvate and lactate in tumor and blood of lymphoma-bearing mice injected with ¹³ C and ¹⁴ C labeled pyruvate. <i>NMR in Biomedicine</i> , 2018, 31, e3901. | 1.6 | 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. | 2.2 | 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. | 1.9 | 21 |
| 82 | ¹³ C magnetic resonance spectroscopic imaging of hyperpolarized [¹³ C, U- ² H ₅] ethanol oxidation can be used to assess aldehyde dehydrogenase activity in vivo. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1733-1740. | 1.9 | 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. | 1.0 | 20 |
| 84 | Effects of fasting on serial measurements of hyperpolarized [¹³ C]pyruvate metabolism in tumors. <i>NMR in Biomedicine</i> , 2016, 29, 1048-1055. | 1.6 | 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. | 1.0 | 16 |
| 87 | Monitoring the CNS Pathology in Aspartylglucosaminuria Mice. <i>Journal of Neuropathology and Experimental Neurology</i> , 1998, 57, 1154-1163. | 0.9 | 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. | 1.3 | 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. | 1.9 | 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. | 0.9 | 14 |

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|-----|---|-----|-----------|
| 91 | Quantitative ¹³ C NMR spectroscopy of rat cerebral metabolites in vivo: Effects of global ischemia. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 875-880. | 1.9 | 13 |
| 92 | Quantitation of a spin polarization-induced nuclear Overhauser effect (SPINOE) between a hyperpolarized ¹³ C-labeled cell metabolite and water protons. <i>Contrast Media and Molecular Imaging</i> , 2014, 9, 182-186. | 0.4 | 13 |
| 93 | Expression of Human Apolipoprotein E Downregulates Amyloid Precursor Protein-induced Ischemic Susceptibility. <i>Stroke</i> , 2002, 33, 1905-1910. | 1.0 | 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. | 2.6 | 12 |
| 95 | Blood NMR relaxation in the rotating frame: mechanistic implications. <i>Archives of Biochemistry and Biophysics</i> , 2002, 405, 78-86. | 1.4 | 11 |
| 96 | Tumour Gene Therapy Monitoring Using Magnetic Resonance Imaging and Spectroscopy. <i>Current Gene Therapy</i> , 2005, 5, 685-696. | 0.9 | 11 |
| 97 | Sensitive, Efficient and Portable Analysis of Molecular Exchange Processes by Hyperpolarized Ultrafast NMR. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 7.2 | 11 |
| 98 | Dispersion of cerebral on-resonance T ₁ in the rotating frame (T _{1ρ}) in global ischaemia. <i>Applied Magnetic Resonance</i> , 2005, 29, 89-106. | 0.6 | 8 |
| 99 | Imaging Glycosylation In Vivo by Metabolic Labeling and Magnetic Resonance Imaging. <i>Angewandte Chemie</i> , 2016, 128, 1308-1312. | 1.6 | 8 |
| 100 | ¹³ C magnetic resonance spectroscopy measurements with hyperpolarized [¹³ 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. | 1.9 | 8 |
| 101 | Metabolism of hyperpolarised [¹³ C]pyruvate in awake and anaesthetised rat brains. <i>NMR in Biomedicine</i> , 2022, 35, e4635. | 1.6 | 7 |
| 102 | State Estimation with Structural Priors in fMRI. <i>Journal of Mathematical Imaging and Vision</i> , 2018, 60, 174-188. | 0.8 | 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. | 0.4 | 5 |
| 104 | Temporal Huber Regularization for DCE-MRI. <i>Journal of Mathematical Imaging and Vision</i> , 2020, 62, 1334-1346. | 0.8 | 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. | 1.4 | 3 |
| 106 | Detection of lentiviral suicide gene therapy in C6 rat glioma using hyperpolarised [¹³ C]pyruvate. <i>NMR in Biomedicine</i> , 2020, 33, e4250. | 1.6 | 3 |
| 107 | Cyclodextrin-Based Organic Radical Contrast Agents for <i>In Vivo</i> Imaging of Gliomas. <i>ChemPlusChem</i> , 2020, 85, 1171-1178. | 1.3 | 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. | 1.1 | 2 |

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|-----|--|-----|-----------|
| 109 | Data-Driven Regularization Parameter Selection in Dynamic MRI. <i>Journal of Imaging</i> , 2021, 7, 38. | 1.7 | 1 |
| 110 | Alcohol Co-Administration Changes Mephedrone-Induced Alterations of Neuronal Activity. <i>Frontiers in Pharmacology</i> , 2021, 12, 679759. | 1.6 | 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. | 0.8 | 1 |
| 112 | Sensitive, Efficient and Portable Analysis of Molecular Exchange Processes by Hyperpolarized Ultrafast NMR. <i>Angewandte Chemie</i> , 0, , . | 1.6 | 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. | 1.6 | 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. | 0.4 | 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, , . | 0.8 | 0 |