# Richard B Thompson

List of Publications by Year
in descending order



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|---|---|---|---|
| 148 papers | 7,948 citations | 87843 38 h-index | 53190 85 g-index |
| 150 all docs | 150 docs citations | 150 times ranked | 10000 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Mitochondria-K+ Channel Axis Is Suppressed in Cancer and Its Normalization Promotes Apoptosis and Inhibits Cancer Growth. Cancer Cell, 2007, 11, 37-51. | 7.7 | 1,374 |
| 2 | Clinical recommendations for cardiovascular magnetic resonance mapping of T1, T2, T2* and extracellular volume: A consensus statement by the Society for Cardiovascular Magnetic Resonance (SCMR) endorsed by the European Association for Cardiovascular Imaging (EACVI). Journal of Cardiovascular Magnetic Resonance, 2017, 19, 75. | 1.6 | 1,074 |
| 3 | Serial Cardiac Magnetic Resonance Imaging of Injected Mesenchymal Stem Cells. Circulation, 2003, 108, 1009-1014. | 1.6 | 457 |
| 4 | Saturation recovery singleâ€shot acquisition (SASHA) for myocardial T<sub>1</sub> mapping. Magnetic Resonance in Medicine, 2014, 71, 2082-2095. | 1.9 | 307 |
| 5 | Multidisciplinary Approach to Novel Therapies in Cardio-Oncology Research (MANTICORE 101â€“Breast): A Randomized Trial for the Prevention of Trastuzumab-Associated Cardiotoxicity. Journal of Clinical Oncology, 2017, 35, 870-877. | 0.8 | 292 |
| 6 | Accuracy, Precision, and Reproducibility of Four T1 Mapping Sequences: A Head-to-Head Comparison of MOLLI, ShMOLLI, SASHA, and SAPPHIRE. Radiology, 2014, 272, 683-689. | 3.6 | 255 |
| 7 | Inhibition of pyruvate dehydrogenase kinase improves pulmonary arterial hypertension in genetically susceptible patients. Science Translational Medicine, 2017, 9, . | 5.8 | 206 |
| 8 | Diffuse myocardial fibrosis by T1-mapping in children with subclinical anthracycline cardiotoxicity: relationship to exercise capacity, cumulative dose and remodeling. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 48. | 1.6 | 189 |
| 9 | T <sub>1</sub> Mapping With Cardiovascular MRI Is Highly Sensitive for Fabry Disease Independent of Hypertrophy and Sex. Circulation: Cardiovascular Imaging, 2013, 6, 637-645. | 1.3 | 158 |
| 10 | Catheter-Based Endomyocardial Injection With Real-Time Magnetic Resonance Imaging. Circulation, 2002, 105, 1282-1284. | 1.6 | 134 |
| 11 | Adjuvant Trastuzumab Induces Ventricular Remodeling Despite Aerobic Exercise Training. Clinical Cancer Research, 2009, 15, 4963-4967. | 3.2 | 111 |
| 12 | Home Exercise Training Improves Exercise Capacity in Cirrhosis Patients: Role of Exercise Adherence. Scientific Reports, 2018, 8, 99. | 1.6 | 89 |
| 13 | Sources of variability in the response of coupled spins to the PRESS sequence and their potential impact on metabolite quantification. Magnetic Resonance in Medicine, 1999, 41, 1162-1169. | 1.9 | 88 |
| 14 | Real-Time 3-Dimensional Echocardiography Provides New Insight Into Mechanisms of Tricuspid Valve Regurgitation in Patients With Hypoplastic Left Heart Syndrome. Circulation, 2009, 120, 1091-1098. | 1.6 | 88 |
| 15 | Real-Time Magnetic Resonance Imagingâ€“Guided Stenting of Aortic Coarctation With Commercially Available Catheter Devices in Swine. Circulation, 2005, 112, 699-706. | 1.6 | 82 |
| 16 | Cardiovascular magnetic resonance in the diagnosis of acute heart transplant rejection: a review. Journal of Cardiovascular Magnetic Resonance, 2009, 11, 7. | 1.6 | 79 |
| 17 | Myocardial native T1 and extracellular volume with healthy ageing and gender. European Heart Journal Cardiovascular Imaging, 2018, 19, 615-621. | 0.5 | 78 |
| 18 | Correlation of cardiovascular magnetic resonance imaging findings and endomyocardial biopsy results in patients undergoing screening for heart transplant rejection. Journal of Heart and Lung Transplantation, 2015, 34, 643-650. | 0.3 | 77 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Rationale and design of the Multidisciplinary Approach to Novel Therapies in Cardiology Oncology Research Trial (MANTICORE 101 - Breast): a randomized, placebo-controlled trial to determine if conventional heart failure pharmacotherapy can prevent trastuzumab-mediated left ventricular remodeling among patients with HER2+ early breast cancer using cardiac MRI. BMC Cancer, 2011, 11, 318. | 1.1 | 76 |
| 20 | Systolic and Diastolic Function Assessment in Fabry Disease Patients Using Speckle-Tracking Imaging and Comparison with Conventional Echocardiographic Measurements. Journal of the American Society of Echocardiography, 2013, 26, 1407-1414. | 1.2 | 72 |
| 21 | A new multiple quantum filter design procedure for use on strongly coupled spin systems foundin vivo: Its application to glutamate. Magnetic Resonance in Medicine, 1998, 39, 762-771. | 1.9 | 71 |
| 22 | Catheter-based endomyocardial injection with real-time magnetic resonance imaging. Circulation, 2002, 105, 1282-4. | 1.6 | 65 |
| 23 | Fast measurement of intracardiac pressure differences with 2D breath-hold phase-contrast MRI. Magnetic Resonance in Medicine, 2003, 49, 1056-1066. | 1.9 | 63 |
| 24 | Normal Rotational, Torsion and Untwisting Data in Children, Adolescents and Young Adults. Journal of the American Society of Echocardiography, 2010, 23, 286-293. | 1.2 | 63 |
| 25 | Real-Time Magnetic Resonance-Guided Endovascular Repair of Experimental Abdominal Aortic Aneurysm in Swine. Journal of the American College of Cardiology, 2005, 45, 2069-2077. | 1.2 | 61 |
| 26 | Response of metabolites with coupled spins to the STEAM sequence. Magnetic Resonance in Medicine, 2001, 45, 955-965. | 1.9 | 60 |
| 27 | Potential for Change in US Diagnosis of Hip Dysplasia Solely Caused by Changes in Probe Orientation: Patterns of Alpha-angle Variation Revealed by Using Three-dimensional US. Radiology, 2014, 273, 870-878. | 3.6 | 59 |
| 28 | Tricuspid Regurgitation in Hypoplastic Left Heart Syndrome. Circulation: Cardiovascular Imaging, 2014, 7, 765-772. | 1.3 | 58 |
| 29 | Anderson-Fabry cardiomyopathy: prevalence, pathophysiology, diagnosis and treatment. Heart Failure Reviews, 2015, 20, 179-191. | 1.7 | 58 |
| 30 | Measurement of skeletal muscle perfusion during postischemic reactive hyperemia using contrast-enhanced MRI with a step-input function. Magnetic Resonance in Medicine, 2005, 54, 289-298. | 1.9 | 57 |
| 31 | Invasive human magnetic resonance imaging: Feasibility during revascularization in a combined XMR suite. Catheterization and Cardiovascular Interventions, 2005, 64, 265-274. | 0.7 | 56 |
| 32 | Altered breathing mechanics and ventilatory response during exercise in children born extremely preterm. Thorax, 2016, 71, 1012-1019. | 2.7 | 53 |
| 33 | Increased left ventricular twist, untwisting rates, and suction maintain global diastolic function during passive heat stress in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H930-H937. | 1.5 | 47 |
| 34 | Real-Time Visualization of Joint Cavitation. PLoS ONE, 2015, 10, e0119470. | 1.1 | 46 |
| 35 | Metabolite-specific NMR spectroscopyin vivo. , 1997, 10, 435-444. | | 44 |
| 36 | Left ventricular torsion and untwisting during exercise in heart transplant recipients. Journal of Physiology, 2009, 587, 2375-2386. | 1.3 | 44 |

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|---|---|---|---|
| 37 | Flow-gated phase-contrast MRI using radial acquisitions. Magnetic Resonance in Medicine, 2004, 52, 598-604. | 1.9 | 42 |
| 38 | Optimized saturation recovery protocols for T1-mapping in the heart: influence of sampling strategies on precision. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 55. | 1.6 | 42 |
| 39 | MRI Measurement of Regional Lung Deposition in Mice Exposed Nose-Only to Nebulized Superparamagnetic Iron Oxide Nanoparticles. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2008, 21, 335-342. | 0.7 | 41 |
| 40 | Quantitative Real-Time Three-Dimensional Echocardiography Provides New Insight into the Mechanisms of Mitral Valve Regurgitation Post-Repair of Atrioventricular Septal Defect. Journal of the American Society of Echocardiography, 2012, 25, 1231-1244. | 1.2 | 39 |
| 41 | Heart failure with preserved ejection fraction in the elderly: scope of the problem. Heart Failure Reviews, 2012, 17, 555-562. | 1.7 | 38 |
| 42 | Genderâ€specific plasma proteomic biomarkers in patients with Andersonâ€“Fabry disease. European Journal of Heart Failure, 2015, 17, 291-300. | 2.9 | 38 |
| 43 | Intermittent electrical stimulation redistributes pressure and promotes tissue oxygenation in loaded muscles of individuals with spinal cord injury. Journal of Applied Physiology, 2011, 110, 246-255. | 1.2 | 36 |
| 44 | Prevention of pressure-induced deep tissue injury using intermittent electrical stimulation. Journal of Applied Physiology, 2007, 102, 1992-2001. | 1.2 | 35 |
| 45 | Clinical Features, Diagnosis, and Management of Patients With Anderson-Fabry Cardiomyopathy. Canadian Journal of Cardiology, 2017, 33, 883-897. | 0.8 | 34 |
| 46 | Cardiorespiratory-resolved magnetic resonance imaging: Measuring respiratory modulation of cardiac function. Magnetic Resonance in Medicine, 2006, 56, 1301-1310. | 1.9 | 32 |
| 47 | Transport Phenomena in Articular Cartilage Cryopreservation as Predicted by the Modified Triphasic Model and the Effect of Natural Inhomogeneities. Biophysical Journal, 2012, 102, 1284-1293. | 0.2 | 32 |
| 48 | High temporal resolution phase contrast MRI with multiecho acquisitions. Magnetic Resonance in Medicine, 2002, 47, 499-512. | 1.9 | 31 |
| 49 | Deposition of Inhaled Ultrafine Aerosols in Replicas of Nasal Airways of Infants. Aerosol Science and Technology, 2010, 44, 741-752. | 1.5 | 31 |
| 50 | Saturation pulse design for quantitative myocardial T1 mapping. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 84. | 1.6 | 31 |
| 51 | Residual dipolar coupling of the Cr/PCr methyl resonance in resting human medial gastrocnemius muscle. Magnetic Resonance in Medicine, 1999, 42, 421-424. | 1.9 | 30 |
| 52 | Left ventricular systolic and diastolic function during tilt-table positioning and passive heat stress in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H599-H608. | 1.5 | 30 |
| 53 | Using MRI to Measure Aerosol Deposition. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2012, 25, 55-62. | 0.7 | 30 |
| 54 | Reduced Right Ventricular Native Myocardial T1 in Anderson-Fabry Disease: Comparison to Pulmonary Hypertension and Healthy Controls. PLoS ONE, 2016, 11, e0157565. | 1.1 | 30 |

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|---|---|---|---|
| 55 | Variability of metabolite yield using STEAM or PRESS sequences in vivo at 3.0 T, illustrated with myo-inositol. Magnetic Resonance in Medicine, 2005, 53, 760-769. | 1.9 | 28 |
| 56 | T2-dependent errors in MOLLI T1 values: simulations, phantoms, and in-vivo studies. Journal of Cardiovascular Magnetic Resonance, 2012, 14, . | 1.6 | 28 |
| 57 | Real-time volumetric flow measurements with complex-difference MRI. Magnetic Resonance in Medicine, 2003, 50, 1248-1255. | 1.9 | 27 |
| 58 | Effects of Intermittent Electrical Stimulation on Superficial Pressure, Tissue Oxygenation, and Discomfort Levels for the Prevention of Deep Tissue Injury. Annals of Biomedical Engineering, 2011, 39, 649-663. | 1.3 | 27 |
| 59 | The Alberta Heart Failure Etiology and Analysis Research Team (HEART) study. BMC Cardiovascular Disorders, 2014, 14, 91. | 0.7 | 27 |
| 60 | Cardiovascular responses to incremental and sustained submaximal exercise in heart transplant recipients. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H350-H358. | 1.5 | 26 |
| 61 | Effect of acute high-intensity interval exercise on postexercise biventricular function in mild heart failure. Journal of Applied Physiology, 2011, 110, 398-406. | 1.2 | 26 |
| 62 | Characterization of T<sub>1</sub> bias in skeletal muscle from fat in MOLLI and SASHA pulse sequences: Quantitative fatâ€fraction imaging with T<sub>1</sub> mapping. Magnetic Resonance in Medicine, 2017, 77, 237-249. | 1.9 | 25 |
| 63 | Exercise Intolerance in Anthracycline-Treated Breast Cancer Survivors: The Role of Skeletal Muscle Bioenergetics, Oxygenation, and Composition. Oncologist, 2020, 25, e852-e860. | 1.9 | 25 |
| 64 | MR spectroscopy measurement of the diffusion of dimethyl sulfoxide in articular cartilage and comparison to theoretical predictions. Osteoarthritis and Cartilage, 2012, 20, 1004-1010. | 0.6 | 24 |
| 65 | Cardiac and cardiometabolic phenotyping of trastuzumab-mediated cardiotoxicity: a secondary analysis of the MANTICORE trial. European Heart Journal - Cardiovascular Pharmacotherapy, 2022, 8, 130-139. | 1.4 | 24 |
| 66 | Characterization of the relationship between systolic shear strain and early diastolic shear strain rates: insights into torsional recoil. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H898-H907. | 1.5 | 23 |
| 67 | Distribution of Internal Pressure around Bony Prominences: Implications to Deep Tissue Injury and Effectiveness of Intermittent Electrical Stimulation. Annals of Biomedical Engineering, 2012, 40, 1740-1759. | 1.3 | 22 |
| 68 | Late Gadolinium Enhancement in Cardiac Transplant Patients Is Associated With Adverse Ventricular Functional Parameters and Clinical Outcomes. Canadian Journal of Cardiology, 2013, 29, 1076-1083. | 0.8 | 22 |
| 69 | Myocardial tissue deformation is reduced in subjects with coronary microvascular dysfunction but not rescued by treatment with ranolazine. Clinical Cardiology, 2017, 40, 300-306. | 0.7 | 22 |
| 70 | Rationale and design of the Caloric Restriction and Exercise protection from Anthracycline Toxic Effects (CREATE) study: a 3-arm parallel group phase II randomized controlled trial in early breast cancer. BMC Cancer, 2018, 18, 864. | 1.1 | 22 |
| 71 | Myocardial Iron Deficiency and Mitochondrial Dysfunction in Advanced Heart Failure in Humans. Journal of the American Heart Association, 2022, 11, . | 1.6 | 22 |
| 72 | Freeâ€breathing cine MRI. Magnetic Resonance in Medicine, 2008, 60, 709-717. | 1.9 | 21 |

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| 73 | Layer-specific strain in patients with heart failure using cardiovascular magnetic resonance: not all layers are the same. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 81. | 1.6 | 21 |
| 74 | Measurements of changes in left ventricular volume, strain, and twist during isovolumic relaxation using MRI. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H1908-H1918. | 1.5 | 20 |
| 75 | Simultaneous proton density fatâ€fraction and imaging with waterâ€specific T<sub>1</sub> mapping (PROFIT<sub>1</sub>): application in liver. Magnetic Resonance in Medicine, 2021, 85, 223-238. | 1.9 | 20 |
| 76 | Changes in ventricular twist and untwisting with orthostatic stress: endurance athletes versus normally active individuals. Journal of Applied Physiology, 2010, 108, 1259-1266. | 1.2 | 19 |
| 77 | Effects of High Intensity Exercise on Biventricular Function Assessed by Cardiac Magnetic Resonance Imaging in Endurance Trained and Normally Active Individuals. American Journal of Cardiology, 2010, 106, 278-283. | 0.7 | 19 |
| 78 | Impaired Left Ventricular Reserve in Childhood Cancer Survivors Treated With Anthracycline Therapy. Pediatric Blood and Cancer, 2016, 63, 1086-1090. | 0.8 | 19 |
| 79 | Increased left ventricular extracellular volume and enhanced twist function in type 1 diabetic individuals. Journal of Applied Physiology, 2017, 123, 394-401. | 1.2 | 19 |
| 80 | Comparison of Cardiac Magnetic Resonance Imaging and Echocardiography in Assessment of Left Ventricular Hypertrophy in Fabry Disease. Canadian Journal of Cardiology, 2018, 34, 1041-1047. | 0.8 | 19 |
| 81 | Rationale and design of the Diet Restriction and Exercise-induced Adaptations in Metastatic breast cancer (DREAM) study: a 2-arm, parallel-group, phase II, randomized control trial of a short-term, calorie-restricted, and ketogenic diet plus exercise during intravenous chemotherapy versus usual care. BMC Cancer, 2021, 21, 1093. | 1.1 | 19 |
| 82 | An index for diagnosing infant hip dysplasia using 3-D ultrasound: the acetabular contact angle. Pediatric Radiology, 2016, 46, 1023-1031. | 1.1 | 18 |
| 83 | Improved precision in SASHA T1 mapping with a variable flip angle readout. Journal of Cardiovascular Magnetic Resonance, 2014, 16, M9. | 1.6 | 16 |
| 84 | Feasibility and reproducibility of measurement of whole muscle blood flow, oxygen extraction, and VO<sub>2</sub> with dynamic exercise using MRI. Magnetic Resonance in Medicine, 2015, 74, 1640-1651. | 1.9 | 16 |
| 85 | Tricuspid Valve Adaptation during the First Interstage Period in Hypoplastic Left Heart Syndrome. Journal of the American Society of Echocardiography, 2018, 31, 624-633. | 1.2 | 16 |
| 86 | Freeâ€breathing simultaneous myocardial T<sub>1</sub> and T<sub>2</sub> mapping with whole left ventricle coverage. Magnetic Resonance in Medicine, 2021, 85, 1308-1321. | 1.9 | 16 |
| 87 | Reliability of 3D localisation of ACL attachments on MRI: comparison using multi-planar 2D versus high-resolution 3D base sequences. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 1206-1214. | 2.3 | 14 |
| 88 | Quantification of lung water in heart failure using cardiovascular magnetic resonanceÂimaging. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 58. | 1.6 | 14 |
| 89 | Reproducibility of Acetabular Landmarks and a Standardized Coordinate System Obtained from 3D Hip Ultrasound. Ultrasonic Imaging, 2015, 37, 267-276. | 1.4 | 13 |
| 90 | Improved accuracy and precision with threeâ€parameter simultaneous myocardial T<sub>1</sub> and T<sub>2</sub> mapping using multiparametric SASHA. Magnetic Resonance in Medicine, 2022, 87, 2775-2791. | 1.9 | 13 |

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|---|---|---|---|
| 91 | Prevention of deep tissue injury through muscle contractions induced by intermittent electrical stimulation after spinal cord injury in pigs. Journal of Applied Physiology, 2013, 114, 286-296. | 1.2 | 12 |
| 92 | Quantification of circumferential, longitudinal, and radial global fractional shortening using steadyâ€state free precession cines: A comparison with tissueâ€tracking strain and application in fabry disease. Magnetic Resonance in Medicine, 2015, 73, 586-596. | 1.9 | 12 |
| 93 | Simulation-based quantification of native T1 and T2 of the myocardium using a modified MOLLI scheme and the importance of Magnetization Transfer. Magnetic Resonance Imaging, 2018, 48, 96-106. | 1.0 | 12 |
| 94 | Cardiac remodelling predicts outcome in patients with chronic heart failure. ESC Heart Failure, 2021, 8, 5352-5362. | 1.4 | 12 |
| 95 | Reliability of Estimates of ACL Attachment Locations in 3-Dimensional Knee Reconstruction Based on Routine Clinical MRI in Pediatric Patients. American Journal of Sports Medicine, 2013, 41, 1319-1329. | 1.9 | 11 |
| 96 | Differential Responses of Post-Exercise Recovery of Leg Blood Flow and Oxygen Uptake Kinetics in HFpEF versus HFrEF. PLoS ONE, 2016, 11, e0163513. | 1.1 | 11 |
| 97 | Subclinical Pulmonary Edema Is Associated With Reduced Exercise Capacity in HFpEF and HFrEF. Journal of the American College of Cardiology, 2017, 70, 1827-1828. | 1.2 | 11 |
| 98 | Cardiac and skeletal muscle predictors of impaired cardiorespiratory fitness post-anthracycline chemotherapy for breast cancer. Scientific Reports, 2021, 11, 14005. | 1.6 | 11 |
| 99 | Distribution of Internal Strains Around Bony Prominences in Pigs. Annals of Biomedical Engineering, 2012, 40, 1721-1739. | 1.3 | 10 |
| 100 | Left atrial remodelling, mid-regional pro-atrial natriuretic peptide, and prognosis across a range of ejection fractions in heart failure. European Heart Journal Cardiovascular Imaging, 2021, 22, 220-228. | 0.5 | 10 |
| 101 | Tricuspid Valve Tethering Is Associated with Residual Regurgitation after Valve Repair in Hypoplastic Left Heart Syndrome: A Three-Dimensional Echocardiographic Study. Journal of the American Society of Echocardiography, 2021, 34, 1199-1210. | 1.2 | 10 |
| 102 | Difference spectroscopy using PRESS asymmetry: application to glutamate, glutamine, and myo-inositol. NMR in Biomedicine, 2010, 23, 41-47. | 1.6 | 9 |
| 103 | Aerobic fitness does not influence the biventricular response to whole body passive heat stress. Journal of Applied Physiology, 2010, 109, 1545-1551. | 1.2 | 9 |
| 104 | Degree of diffuse fibrosis measured by MRI correlates with LV remodelling in childhood cancer survivors after anthracycline chemotherapy. Journal of Cardiovascular Magnetic Resonance, 2011, 13, . | 1.6 | 9 |
| 105 | Normal left-atrial structure and function despite concentric left-ventricular remodelling in a cohort of patients with Andersonâ€“Fabry disease. European Heart Journal Cardiovascular Imaging, 2015, 16, 1129-1136. | 0.5 | 9 |
| 106 | Effects of age, gender, and riskâ€factors for heart failure on native myocardial T<sub>1</sub> and extracellular volume fraction using the SASHA sequence at 1.5T. Journal of Magnetic Resonance Imaging, 2018, 48, 1307-1317. | 1.9 | 9 |
| 107 | The Effect of Blood Composition on T1ÂMapping. JACC: Cardiovascular Imaging, 2019, 12, 1888-1890. | 2.3 | 9 |
| 108 | Longitudinal Changes in Skeletal Muscle Metabolism, Oxygen Uptake, and Myosteatosis During Cardiotoxic Treatment for Early-Stage Breast Cancer. Oncologist, 2022, 27, e748-e754. | 1.9 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Image Based Temporal Registration of MRI Data for Medical Visualization. , 2006, , . | | 8 |
| 110 | Pilot Study of Inhaled Aerosols Targeted via Magnetic Alignment of High Aspect Ratio Particles in Rabbits. Journal of Nanomaterials, 2011, 2011, 1-7. | 1.5 | 8 |
| 111 | Quantification of lung water density with UTE Yarnball MRI. Magnetic Resonance in Medicine, 2021, 86, 1330-1344. | 1.9 | 8 |
| 112 | Myocardial Deformation Analysis in Contrast Echocardiography: First Results Using Two-Dimensional Cardiac Performance Analysis. Journal of the American Society of Echocardiography, 2013, 26, 1282-1289. | 1.2 | 7 |
| 113 | Ultrasound Quantification of Acetabular Rounding in Hip Dysplasia: Reliability and Correlation to Treatment Decisions in a Retrospective Study. Ultrasound in Medicine and Biology, 2015, 41, 56-63. | 0.7 | 7 |
| 114 | Evaluation of Cardiac, Vascular, and Skeletal Muscle Function With MRI: Novel Physiological End Points in Cardiac Rehabilitation Research. Canadian Journal of Cardiology, 2016, 32, S388-S396. | 0.8 | 7 |
| 115 | Circulating troponin and further left ventricular ejection fraction improvement in patients with previously recovered left ventricular ejection fraction. ESC Heart Failure, 2020, 7, 2725-2733. | 1.4 | 7 |
| 116 | Reliability and reproducibility of cardiac MRI quantification of peak exercise function with long-axis views. PLoS ONE, 2021, 16, e0245912. | 1.1 | 7 |
| 117 | Aerobic Fitness Is Related to Myocardial Fibrosis Postâ€“Anthracycline Therapy. Medicine and Science in Sports and Exercise, 2021, 53, 267-274. | 0.2 | 7 |
| 118 | Time-Restricted Eating to Reduce Cardiovascular Risk Among Older Breast Cancer Survivors. JACC: CardioOncology, 2022, 4, 276-278. | 1.7 | 7 |
| 119 | Accuracy and reliability of MRI vs. laboratory measurements in an ex vivo porcine model of arthritic cartilage loss. Journal of Magnetic Resonance Imaging, 2007, 26, 992-1000. | 1.9 | 6 |
| 120 | Characterization of T1 bias from lipids in MOLLI and SASHA pulse sequences. Journal of Cardiovascular Magnetic Resonance, 2015, 17, . | 1.6 | 6 |
| 121 | On the localized quantification of metabolites with coupled spins. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1999, 9, 159-163. | 1.1 | 5 |
| 122 | Strongly coupled versus uncoupled spin response to radio frequency interference effects: application to glutamate and glutamine in spectroscopic imaging. NMR in Biomedicine, 2008, 21, 402-409. | 1.6 | 5 |
| 123 | A cardiac magnetic resonance imaging study of long-term and incident hemodialysis patients. Journal of Nephrology, 2019, 32, 615-626. | 0.9 | 5 |
| 124 | Tilt-table Echocardiography Unmasks Early Diastolic Dysfunction in Patients With Hemoglobinopathies. Journal of Pediatric Hematology/Oncology, 2020, 42, 391-397. | 0.3 | 5 |
| 125 | The role of the N-acetylaspartate multiplet in the quantification of brain metabolites. Biochemistry and Cell Biology, 1998, 76, 497-502. | 0.9 | 4 |
| 126 | Velocity encoding with the slice select refocusing gradient for faster imaging and reduced chemical shiftâ€induced phase errors. Magnetic Resonance in Medicine, 2014, 71, 2014-2023. | 1.9 | 4 |

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|---|---|---|---|
| 127 | Measurement and correction of the bulk magnetic susceptibility effects of fat: application in venous oxygen saturation imaging. Magnetic Resonance in Medicine, 2019, 81, 3124-3137. | 1.9 | 4 |
| 128 | A Contemporary Review of the Effects of Exercise Training on Cardiac Structure and Function and Cardiovascular Risk Profile: Insights From Imaging. Frontiers in Cardiovascular Medicine, 2022, 9, 753652. | 1.1 | 4 |
| 129 | Partial field-of-view spiral phase-contrast imaging using complex difference processing. Magnetic Resonance in Medicine, 2006, 56, 676-680. | 1.9 | 3 |
| 130 | Contamination of singleâ€voxel multiple quantum filters by external water signals arising from intermolecular multiple quantum coherences. Magnetic Resonance in Medicine, 2009, 62, 796-801. | 1.9 | 3 |
| 131 | Enhancement of spectral editing efficacy of multiple quantum filters in in vivo proton magnetic resonance spectroscopy. Journal of Magnetic Resonance, 2012, 223, 90-97. | 1.2 | 3 |
| 132 | Variability of T1 in purpose recruited normal volunteers and patients as a function of shim (B0), flip angle (B1) and myocardial sector at 3T. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P5. | 1.6 | 3 |
| 133 | Optimized saturation pulse rrains for SASHA T1 mapping at 3T. Journal of Cardiovascular Magnetic Resonance, 2015, 17, W20. | 1.6 | 3 |
| 134 | Characterization of myocardial T1 and partition coefficient as a function of time after gadolinium delivery in healthy subjects. Journal of Cardiovascular Magnetic Resonance, 2011, 13, . | 1.6 | 2 |
| 135 | Remote ischaemic conditioning in ST elevation myocardial infarction: a registry-based randomised trial. Heart, 2022, 108, 703-709. | 1.2 | 2 |
| 136 | A Novel Right Ventricular Volume and Pressure Loaded Piglet Heart Model for the Study of Tricuspid Valve Function.. Journal of Visualized Experiments, 2020, , . | 0.2 | 2 |
| 137 | Quantification of changes in myocardial <scp>T<sub>1</sub></scp>* values with exercise cardiac <scp>MRI</scp> using a freeâ€breathing <scp>nonâ€electrocardiograph</scp> radial imaging. Magnetic Resonance in Medicine, 2022, 88, 1720-1733. | 1.9 | 2 |
| 138 | Triplanar estimation of left atrial volume. Journal of Cardiovascular Magnetic Resonance, 2011, 13, . | 1.6 | 1 |
| 139 | Quantification of pulmonary edema in heart failure using MRI: invasive validation and evaluation in HFpEF and HFrEF patients. Journal of Cardiovascular Magnetic Resonance, 2016, 18, O49. | 1.6 | 1 |
| 140 | Differential responses of post-exercise recovery leg blood flow and oxygen uptake kinetics in HFPEF versus HFREF. Journal of Cardiovascular Magnetic Resonance, 2016, 18, O9. | 1.6 | 1 |
| 141 | Response of metabolites with coupled spins to the STEAM sequence. Magnetic Resonance in Medicine, 2001, 45, 955-965. | 1.9 | 1 |
| 142 | 1135 Exploring pressure gradients measured in the left heart during diastole. Journal of Cardiovascular Magnetic Resonance, 2008, 10, . | 1.6 | 0 |
| 143 | Effects of age, gender, and risk-factors for heart failure on native myocardial T1 and extracellular volume fraction using the SASHA sequence at 1.5T. Journal of Magnetic Resonance Imaging, 2018, 48, spcone-spcone. | 1.9 | 0 |
| 144 | Impaired Muscle Oxygen Extraction Kinetics in Cirrhosis: Muscle Is a Major Contributor to Impaired Wholeâ€Body Exercise Capacity. Liver Transplantation, 2022, 28, 321-324. | 1.3 | 0 |

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|---|---|---|---|
| 145 | Global diastolic function is preserved during passive heat stress due to augmented left ventricular untwisting. FASEB Journal, 2010, 24, 991.20. | 0.2 | 0 |
| 146 | Left ventricular systolic and diastolic function during orthostatic heat stress. FASEB Journal, 2011, 25, 1053.2. | 0.2 | 0 |
| 147 | Decongestive progressive resistance exercise with an adjustable compression wrap for breast cancer-related lymphoedema (DREAM): protocol for a randomised controlled trial. BMJ Open, 2022, 12, e053165. | 0.8 | 0 |
| 148 | Demystifying Cardiac Iron Deficiency in Endâ€stage Heart Failure. FASEB Journal, 2022, 36, . | 0.2 | 0 |