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4010	B1 and B0 Insensitive Uniform Fat-saturation for Joint Imaging	Sinyeob	Ahn	Fat, QSM & CEST
2226	A Universal Edited MRS Sequence for 4 Vendors	Sinyeob	Ahn	MRS of J-Coupled Metabolites & Macromolecules
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250	High-resolution MR imaging of human brain with multi-echo integrated SSFP	Jing	An	Pitch: Frontiers of Neuro Techniques
3356	Fast reconstruction of fractional anisotropy with two-dimensional principal component analysis based recognition	Jing	An	Diffusion MRI: Image Reconstruction
2798	Quantitative analysis of the wall thickness and enhancement ratio of intracranial aneurysms using high-resolution black-blood imaging at 7T	Jing	An	Neuroimaging: Flying High at 7T & Beyond
360	Attention modulation of layer-specific signals in human visual cortex	Jing	An	Pitch: Task-Based fMRI & fMRI Acquisition Methods
3254	Inner volume 3D TSE for isotropic 0.30 mm black-blood images of intracranial perforating arteries at 7T	Jing	An	Cerebral Vessel Imaging
2055	Contrast-enhanced compressed sensing whole-heart 3T MR angiography in detection of coronary artery stenosis: A preliminary comparative study with computed tomography angiography	Jing	An	Contrast-Enhanced & Non-Contrast MR Angiography

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360	Attention modulation of layer-specific signals in human visual cortex	Jing	An	Poster: Task-based fMRI & fMRI Acquisition Methods
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469	Exploring Complex-Valued Neural Networks with Trainable Activation Functions for Magnetic Resonance Imaging	Simon	Arberet	Poster: Machine Learning Unleashed 1
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4437	Prospective motion correction for 2D slice-selective FISP-MRF in the brain using an in-bore camera system	Mario	Bacher	Motion Correction: Brain
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3847	Proof-of-concept of retrospective gating for interventional cardiac MRI using catheter microcoils readings.	Wadie	BENHASSEN	Non-Thermal Interventional MRI
974	Real-time catheter tracking for cardiac MR-Thermometry during RF-ablation	Wadie	Ben-Hassen	MR-Guided Intervention
1217	Free-Breathing Water, Fat, and Iron Quantification in the Abdomen Using Radial Multi-Echo Acquisition and Respiratory-Resolved Model-Based Reconstruction	Thomas	Benkert	Relaxometry: Measuring, Understanding & Using
4588	Self-retraced Spiral In-Out 3D Turbo Spin-Echo Imaging	Thomas	Benkert	Going Faster: New Sequences & Acquisition Protocols
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3445	Increasing reader confidence in cancer imaging using an advanced DWI processing – a prospective reader study	Thomas	Benkert	Diffusion: Body Applications
3446	Prospective evaluation of motion correction and complex averaging in ultra-high-b-value DWI for image quality and lesion conspicuity in oncologic follow-up examinations	Thomas	Benkert	Diffusion: Body Applications
2258	Behavior of the signal components of collagen solutions in vitro using UTE-MRI and MRS sequences	Thomas	Benkert	MRS/MRSI Applications
4094	Quantitative Pulmonary Ventilation Imaging in Patients with Cystic Fibrosis using breath-hold 3D-UTE at 3T	Thomas	Benkert	Lung: Proton-Based Imaging
4078	Comparison of Quantitative Pulmonary Ventilation Imaging using 3D-UTE under breath-holding and free-breathing in patients with structural lung disease at 3 T.	Thomas	Benkert	Lung: Proton-Based Imaging
1393	Comparison of Radial and Spiral UTE MRI and T2* quantification of the Knee Joint	Thomas	Benkert	Cartilage 2, Meniscus, Tendon & Ligament
4506	Evaluation of the Uniform Combined Reconstruction (UNICORN) Algorithm for Improving 7T Knee MRI Uniformity	Thomas	Benner	System Imperfections
1912	Use of 3D Arterial Spin Labeling to Evaluate Renal Perfusion in Patients with Chronic Kidney Disease	Kuehn	Bernd	Kidney: Clinical & Preclinical
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3823	Improved MR thermometry using saturation bands to suppress water signal	Himanshu	Bhat	MR-Guided HIFU & MR Thermometry
3822	Comparison of Cartesian MR thermometry approaches for focused ultrasound brain applications	Himanshu	Bhat	MR-Guided HIFU & MR Thermometry
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707	Imaging wound-healing related fibrosis using short inversion time ultra-short TE (STIR-UTE)	Himanshu	Bhat	Poster: Emerging Body Imaging Technologies & Their Translation
1175	Respiratory motion compensated Multitasking for 3D myocardial perfusion without breath-holds, ECG, or multiple boluses	Xiaoming	Bi	Multidimensional Signal Encoding Decoding
698	Free-breathing Volumetric Body Imaging for Combined Qualitative and Quantitative Tissue Assessment using MR Multitasking	Xiaoming	Bi	Pitch: Emerging Body Imaging Technologies & Their Translation

979	"3D-Stars" Cine MRI for the Coronary Arteries: Feasibility of Volumetric Endothelial Function Assessment	Xiaoming	Bi	MR Angiography & Vessel-Wall Imaging
984	ECG- and Navigator-Free 3D Multi-Contrast Aortic Vessel Imaging with MR Multitasking	Xiaoming	Bi	MR Angiography & Vessel-Wall Imaging
3250	Pulsed ASL prepared 4-Dimensional Dynamic Intracranial MR Angiography at 7T with Improved B1 and B0 robustness	Xiaoming	Bi	Cerebral Vessel Imaging
3243	Intracranial Vessel Wall Imaging: Artifactual Effects of Localized Movement and In-line Mitigation with Self-gating	Xiaoming	Bi	Cerebral Vessel Imaging
2096	A fast and contrast-free MR approach to the diagnosis of deep vein thrombosis based on DANTE-prepared gradient echo	Xiaoming	Bi	Atherosclerosis & MR Angiography
606	3D Multitasking for Non-ECG, Free-Breathing, Simultaneous Cardiac Motion-Resolved T1 Mapping and Function Evaluation	Xiaoming	Bi	Improved Motion Correction & Effective Free-Breathing Approaches
698	Free-breathing Volumetric Body Imaging for Combined Qualitative and Quantitative Tissue Assessment using MR Multitasking	Xiaoming	Bi	Poster: Emerging Body Imaging Technologies & Their Translation
2462	A Simple Fully Automated Method for Skull-Stripping Quality Control in Brain MR Image Processing Pipelines Evaluated Using Multicenter Data	Claudia	Bigoni	Image Processing & Analysis
289	The Quantification of Feuromxytol Uptake on the Post Enhance in Intracranial Atherosclerotic Plaque by using a 3D high resolution Black Blood(BB) Multiple Echo(ME) T2* Imaging Technique	Bradley	Bolster Jr	Neurovascular
3823	Improved MR thermometry using saturation bands to suppress water signal	Bradley	Bolster Jr.	MR-Guided HIFU & MR Thermometry
3822	Comparison of Cartesian MR thermometry approaches for focused ultrasound brain applications	Bradley	Bolster Jr.	MR-Guided HIFU & MR Thermometry
1159	Simultaneous Fat, T1 and Stiffness Quantification Using Multi-Echo, Variable Flip Angle, Spoiled-Gradient-Echo, Magnetic Resonance Elastography	Bradley	Bolster, Jr.	Liver
3968	Magnetic resonance shear wave elastography using transient acoustic radiation force excitations and sinusoidal displacement encoding	Bradley	Bolster, Jr.	Elastography & Contrast Agents

2323	PET/MRI versus PET/CT in Oncology: A Prospective Single-center Study Focusing on Implications for Patient Management and Cost Considerations	Bernhard	Brauner	Cancer Metabolism, pH & Oxygenation
2432	Intra-Session, Intra-Day and Inter-Day Reproducibility of MRI Image Quality Metrics in a Controlled Scan Setup	Emmanuelle	Brès	Image Reconstruction
1519	Design Considerations of a 64-Channel Receive / 16-Channel Transmit Coil Array for Head, Neck, and Cervical-Spine Imaging at 7 T	Yulin	Chang	RF: Other
928	Inter-frame phase alignment for Echo Planar Imaging calibration data acquired with opposite read-out polarities	Yulin	Chang	Pitch: Imperfections, Artifacts, Corrections -- Oh My!
933	A novel method combining Dixon water-fat separation and BLADE imaging	Yulin V	Chang	Pitch: Imperfections, Artifacts, Corrections -- Oh My!
515	Towards absolute quantification of brain metabolites using Electronic REFERENCE To access In vivo Concentrations (ERETIC) for MR spectroscopic imaging (MRSI)	Yulin	Chang	MRS/MRSI Analysis
3951	The impact of gradient spoiling on the temporal stability of rapid 2D BOLD EPI	Yulin	Chang	fMRI: Acquisition & Artefacts
928	Inter-frame phase alignment for Echo Planar Imaging calibration data acquired with opposite read-out polarities	Yulin	Chang	Poster: Imperfections, Artifacts, Corrections, Oh My!
933	A novel method combining Dixon water-fat separation and BLADE imaging	Yulin V	Chang	Poster: Imperfections, Artifacts, Corrections, Oh My!
4506	Evaluation of the Uniform Combined Reconstruction (UNICORN) Algorithm for Improving 7T Knee MRI Uniformity	Venkata Veerendranadh	Chebrolu	System Imperfections
4010	B1 and B0 Insensitive Uniform Fat-saturation for Joint Imaging	Venkata Veerendranadh	Chebrolu	Fat, QSM & CEST
1397	Improving the Conspicuity of Meniscal Tears in Knee MRI at 3T and 7T	Venkata Veerendranadh	Chebrolu	Cartilage 2, Meniscus, Tendon & Ligament
1430	Use of passive B1+ shimming via dielectric pads for uniformity improvements in 7T clinical knee imaging	Venkata	Chebrolu	MSK Techniques & Development: Other MSK
469	Exploring Complex-Valued Neural Networks with Trainable Activation Functions for Magnetic Resonance Imaging	Xiao	Chen	Pitch: Machine Learning Unleashed 1

4868	Towards Contrast-Independent Automated Motion Detection Using 2D Adversarial DenseNets	Xiao	Chen	Machine Learning for Image Enhancement, Quality Assessment & Synthetic Image Generation
469	Exploring Complex-Valued Neural Networks with Trainable Activation Functions for Magnetic Resonance Imaging	Xiao	Chen	Poster: Machine Learning Unleashed 1
3326	3D Flow Compensated Interleaved EPI for a Fast High-Resolution Susceptibility-Weighted Imaging at 1.5T	Shi	Cheng	Emerging Technology & Translational Imaging 2
2127	Automatic Analysis of Multicycle Real-time MRI for the Assessment of Variable Cardiac Function based on Multi-orientation U-net Segmentation	Teodora	Chitiboi	Cardiovascular Image Processing & Reconstruction
1044	T2 Weighted Whole-Brain Intracranial Vessel Wall Imaging at 3 Tesla with Cerebrospinal Fluid suppression	Yiu-cho	Chung	Novel Neuroimaging Techniques
3165	Towards clinically useful individual regional brain atrophy rates: bridging long- and short-term longitudinal volume change estimates	Ricardo	Corredor	Alzheimer's & Related Dementia
2432	Intra-Session, Intra-Day and Inter-Day Reproducibility of MRI Image Quality Metrics in a Controlled Scan Setup	Ricardo	Corredor-Jerez	Image Reconstruction
2462	A Simple Fully Automated Method for Skull-Stripping Quality Control in Brain MR Image Processing Pipelines Evaluated Using Multicenter Data	Ricardo	Corredor-Jerez	Image Processing & Analysis
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469	Exploring Complex-Valued Neural Networks with Trainable Activation Functions for Magnetic Resonance Imaging	Guillaume	Daval-Frerot	Poster: Machine Learning Unleashed 1
1216	Free Breathing R2* Mapping Using Three-Dimensional Self-Gating Motion-Compensated Stack-of-Radial MRI	Vibhas	Deshpande	Relaxometry: Measuring, Understanding & Using
4506	Evaluation of the Uniform Combined Reconstruction (UNICORN) Algorithm for Improving 7T Knee MRI Uniformity	Vibhas	Deshpande	System Imperfections
4010	B1 and B0 Insensitive Uniform Fat-saturation for Joint Imaging	Vibhas	Deshpande	Fat, QSM & CEST

443	Temperature-dependent Gradient System Transfer Function (GSTF)	Andrew	Dewdney	MRI: Overcoming Our Imperfections
933	A novel method combining Dixon water-fat separation and BLADE imaging	Fang	Dong	Pitch: Imperfections, Artifacts, Corrections -- Oh My!
2068	Free-breathing renal MR angiography using NATIVE TrueFISP: A comparison of different triggering techniques	Fang	Dong	Contrast-Enhanced & Non-Contrast MR Angiography
933	A novel method combining Dixon water-fat separation and BLADE imaging	Fang	Dong	Poster: Imperfections, Artifacts, Corrections, Oh My!
1458	Initial experience with SPOKES EPI on a 7T Terra scanner	Iulius	Dragonu	Engineering Safety, Applications & Computation
59	In-vivo Neural Soma Imaging Using B-tensor Encoding and Deep Learning	Iulius	Dragonu	Microstructure: Approaching Cellular Complexity
2432	Intra-Session, Intra-Day and Inter-Day Reproducibility of MRI Image Quality Metrics in a Controlled Scan Setup	Pavel	Falkovskiy	Image Reconstruction
4883	Differential diagnosis of multiple sclerosis based on the central vein sign assessment using deep learning: a multicentre study.	Mário João	Fartaria	Machine Learning for Prediction & Image Analysis
2462	A Simple Fully Automated Method for Skull-Stripping Quality Control in Brain MR Image Processing Pipelines Evaluated Using Multicenter Data	Mário João	Fartaria	Image Processing & Analysis
2723	Ultra-fast EPI sampling of pulsatile flow waveforms in cerebral arteries via retrospective binning of k-space lines	Fabrizio	Fasano	Segmentation & Processing
3170	Does obesity cause limbic neuroglia changes that may precede Alzheimer's disease? An MRI causal analysis investigation using quantitative magnetisation transfer	Fabrizio	Fasano	Alzheimer's & Related Dementia
1250	Robust high-quality multi-shot EPI with low-rank prior and machine learning	Thorsten	Feiweier	Frontiers of Image Reconstruction
281	Time-Varying Diffusion Patterns in Breast Cancer Linked to Prognostic Factors	Thorsten	Feiweier	Breast
301	Intra-Voxel Incoherent Motion at 7T to quantify human spinal cord microperfusion: pitfalls and promises	Thorsten	Feiweier	What's New in the Spinal Cord?
861	Diffusion tensor imaging and T2 measurements are sensitive to changes in muscle tear due to healing	Thorsten	Feiweier	Traumatic, Neoplastic & Degenerative Musculoskeletal Diseases
3493	Oscillating Gradient Spin-Echo Diffusion Tensor Imaging of the Human Brain using FLAIR	Thorsten	Feiweier	Diffusion MRI: Diffusion Gradient Waveform Design & Optimization

1266	Whole-Body Mapping of Spontaneous Mechanical Activities in Musculature	Thorsten	Feiweier	Muscle 1
3546	Diffusion Time Dependence in Crossing Fiber Area in in vivo Human White Matter	Thorsten	Feiweier	Microstructural Modelling & Mapping
3556	Time dependence and stability of diffusion tensor metrics in a hydrophilic, electrospun, water-perfused, hollow fiber phantom at 3T	Thorsten	Feiweier	Microstructural Modelling & Mapping
351	Diffusion Time Dependence in the Evaluation of Choroid Plexus Cysts	Thorsten	Feiweier	Pitch: Diffusion: Applications
351	Diffusion Time Dependence in the Evaluation of Choroid Plexus Cysts	Thorsten	Feiweier	Poster: Diffusion: Applications
1217	Free-Breathing Water, Fat, and Iron Quantification in the Abdomen Using Radial Multi-Echo Acquisition and Respiratory-Resolved Model-Based Reconstruction	Matthias	Fenchel	Relaxometry: Measuring, Understanding & Using
2680	Investigation of Cerebral Small Vessel Disease induced Depression using Diffusion Kurtosis Imaging - A preliminary Region-specific Study	Xiang	Feng	Psychoradiology: Depression, Bipolar Disorder, Anxiety & More
4334	The Value of PET/MR Multimodality Imaging in Assessing Intratumoral Biological Heterogeneity in Patients with Lung Cancer	Xiang	Feng	Molecular & Metabolic Imaging: Technical Developments & Novel Applications
4327	Cancer screening using 18F-FDG PET/MR in asymptomatic subjects: a preliminary report	Xiang	Feng	Molecular & Metabolic Imaging: Technical Developments & Novel Applications
4820	BrainQuan: An integrated tool for automated and region-specific analysis of multi-parametric brain MRI data	Xiang	Feng	Software & Tools
1254	Compressed-sensing 1mm-isotropic 3D Whole-Heart Water/Fat Coronary MR Angiography in ~10 minutes	Christoph	Forman	Frontiers of Image Reconstruction
4410	High-resolution 3D T1 and T2 Mapping in the Brain Using Compressed Sensing and Dictionary Fitting	Christoph	Forman	Quantitative Mapping of the Brain
4536	Optimised T2 Preparation for Brain Imaging: Application to Compressed Sensing 3D T2 Mapping	Christoph	Forman	Optimization of Quantitative Mapping Techniques
782	Motion-Compensated 3D Whole-heart Water-Fat Late Gadolinium Enhancement Imaging for Assessment of Myocardial Viability	Christoph	Forman	Pitch: Myocardial Tissue Characterization

4751	Cardiac and Respiratory Motion-Resolved 5D Imaging Using a Free-Running Framework: Comparison of Cartesian and Radial Trajectories	Christoph	Forman	Image Reconstruction I
4081	Real-Time Imaging during Free Breathing for Patient-Friendly V/Q Scan of the Whole Lung in One Minute at 3T	Christoph	Forman	Lung: Proton-Based Imaging
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2055	Contrast-enhanced compressed sensing whole-heart 3T MR angiography in detection of coronary artery stenosis: A preliminary comparative study with computed tomography angiography	Christoph	Forman	Contrast-Enhanced & Non-Contrast MR Angiography
2131	Automatic Cardiac Resting Phase Detection for Static Cardiac Imaging Using Deep Neural Networks	Christoph	Forman	Cardiovascular Image Processing & Reconstruction
2129	Free-Breathing, Self-Navigated and Dynamic 3-D Multi-Contrast Cardiac CINE Imaging Using Cartesian Sampling and Compressed Sensing	Christoph	Forman	Cardiovascular Image Processing & Reconstruction
2166	Multi-shot compressed sensing techniques accelerate cine sequence acquisition: an evaluation of diagnostic efficacy	Christoph	Forman	Myocardial Function & Deformation 2
782	Motion-Compensated 3D Whole-heart Water-Fat Late Gadolinium Enhancement Imaging for Assessment of Myocardial Viability	Christoph	Forman	Poster: Myocardial Tissue Characterization
876	Differentiation Idiopathic Granulomatous Mastitis and Breast Carcinoma: Value of Whole-Lesion Histogram and Texture Analysis Using Quantitative ADC Map	Caixia	Fu	Artificial Intelligence in Body MRI
285	Can Machine-Learning-based Radiomics of Whole Tumor on MR Multiparametric Maps Predict the Ki-67 index of Breast Cancer?	Caixia	Fu	Breast
1664	Quantitative dynamic contrast-enhanced MR imaging for prediction of the response to gemcitabine in pancreatic ductal adenocarcinoma: a preliminary study	Cai-xia	Fu	Pancreas/GI
1662	Computer-aided pancreas segmentation based on 3D GRE Dixon MRI	Caixia	Fu	Pancreas/GI
1912	Use of 3D Arterial Spin Labeling to Evaluate Renal Perfusion in Patients with Chronic Kidney Disease	Caixia	Fu	Kidney: Clinical & Preclinical

4095	Free-Breathing Dynamic Contrast-Enhanced Magnetic Resonance Imaging of the Lung Using Compressed-Sensing VIBE	Cai-xia	Fu	Lung: Proton-Based Imaging
4125	Whole-Tumor Histogram and Textural Analysis of Model-based T2 Mapping for the Ki-67 Labeling Index of Breast Cancer	Caixia	Fu	Breast: Technical
2530	Chemical deregulation in breast tissue of women at familial high risk of breast cancer correlates with the IBIS Breast Cancer Risk Evaluator Tool using 2D COSY at 3 Tesla	Thomas	Gaass	MRS Clinical Application
1519	Design Considerations of a 64-Channel Receive / 16-Channel Transmit Coil Array for Head, Neck, and Cervical-Spine Imaging at 7 T	Shivraman	Giri	RF: Other
1250	Robust high-quality multi-shot EPI with low-rank prior and machine learning	Shivraman	Giri	Frontiers of Image Reconstruction
4182	Determination of local SAR through MR Thermometry at 7T	Ignacio	Gonzalez Insua	RF & Gradient Safety Methods
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1970	Objective extraction of the temporal evolution of the mitral valve vortex ring from 4D flow MRI	Andreas	Greiser	Technical Advances in Flow Imaging
1995	Highly accelerated 4D flow with compressed sensing for efficient evaluation of whole-heart hemodynamics	Andreas	Greiser	Clinical Applications of Flow Imaging
876	Differentiation Idiopathic Granulomatous Mastitis and Breast Carcinoma: Value of Whole-Lesion Histogram and Texture Analysis Using Quantitative ADC Map	Robert	Grimm	Artificial Intelligence in Body MRI
285	Can Machine-Learning-based Radiomics of Whole Tumor on MR Multiparametric Maps Predict the Ki-67 index of Breast Cancer?	Robert	Grimm	Breast
6	Comparison of Phase-Resolved Functional Lung (PREFUL) MRI and Hyperpolarized ¹²⁹ Xe MRI in Pediatric Cystic Fibrosis	Robert	Grimm	Pitch: Lung Power
3397	Motion Compensation for Free-Breathing Diffusion-Weighted Imaging (MoCo DWI)	Robert	Grimm	Diffusion MRI: Artefact Correction

3453	Head and neck squamous cell carcinoma: diagnostic performance of diffusion kurtosis imaging for the prediction of histopathologic prognostic factors	Robert	Grimm	Diffusion: Body Applications
1896	Feasibility of 3D PREFUL: 3D dynamic lung ventilation imaging, initial comparison to 2D PREFUL in healthy volunteers	Robert	Grimm	Second Wind: Xenophobic
1891	Joint Reconstruction of 1H and 19F gas MRI in the Human Lung	Robert	Grimm	Second Wind: Xenophobic
1946	Intravoxel incoherent motion (IVIM) diffusion weighted imaging in Renal Function Assessment of Diabetic Nephropathy – A Preliminary Study	Robert	Grimm	Metabolism/Multisystem
4125	Whole-Tumor Histogram and Textural Analysis of Model-based T2 Mapping for the Ki-67 Labeling Index of Breast Cancer	Robert	Grimm	Breast: Technical
3623	Performance of Intravoxel incoherent motion (IVIM) imaging in the curative effect evaluation of diabetic nephropathy - A preliminary study	Robert	Grimm	Microstructure Modeling: 2
6	Comparison of Phase-Resolved Functional Lung (PREFUL) MRI and Hyperpolarized 129Xe MRI in Pediatric Cystic Fibrosis	Robert	Grimm	Poster: Lung Power
4506	Evaluation of the Uniform Combined Reconstruction (UNICORN) Algorithm for Improving 7T Knee MRI Uniformity	John	Grinstead	System Imperfections
4010	B1 and B0 Insensitive Uniform Fat-saturation for Joint Imaging	John	Grinstead	Fat, QSM & CEST
1423	DANTE-SPACE-based imaging of the brachial plexus	John	Grinstead	MSK Techniques & Development: Other MSK
2636	Visualization of the Substantia Nigra Pars Compacta: comparison between DANTE T1-SPACE and T1-SPACE	John	Grinstead	Neuroanatomy: Seeing Is Believing
4868	Towards Contrast-Independent Automated Motion Detection Using 2D Adversarial DenseNets	David	Grodzki	Machine Learning for Image Enhancement, Quality Assessment & Synthetic Image Generation
4182	Determination of local SAR through MR Thermometry at 7T	Rene	Gumbrecht	RF & Gradient Safety Methods

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308	Three-Dimensional Whole Brain Simultaneous T1, T2, and Apparent Diffusion Coefficient Mapping Using MR Multitasking	Fei	Han	Quantitative Parameter Mapping
984	ECG- and Navigator-Free 3D Multi-Contrast Aortic Vessel Imaging with MR Multitasking	Fei	Han	MR Angiography & Vessel-Wall Imaging
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3243	Intracranial Vessel Wall Imaging: Artifactual Effects of Localized Movement and In-line Mitigation with Self-gating	Fei	Han	Cerebral Vessel Imaging
698	Free-breathing Volumetric Body Imaging for Combined Qualitative and Quantitative Tissue Assessment using MR Multitasking	Fei	Han	Poster: Emerging Body Imaging Technologies & Their Translation
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4579	Highly Accelerated 3D EPI using Compressed Sensing	Robin	Heidemann	Going Faster: New Sequences & Acquisition Protocols
3513	Evaluation of Diffusion-Weighted Readout-Segmented EPI in Macaque Brain Imaging at 7T	Robin M.	Heidemann	Diffusion MRI: Data Acquisition
3529	VASE-RESOLVE: Accelerated Readout Segmented Echo Planar Imaging with Compressed Sensing and Variable-Width Readout Segments	Robin	Heidemann	Diffusion MRI: Data Acquisition

1218	Click Your Fat Away: Rapid Synthetic Knee MR Imaging with Switchable Fat and Magnetization-Transfer Contrast	Tom	Hilbert	Relaxometry: Measuring, Understanding & Using
4400	Accelerating Multi-Echo GRASE with CAIPIRINHA for Fast and High-Resolution Myelin Water Imaging	Tom	Hilbert	Quantitative Mapping of the Brain
4410	High-resolution 3D T1 and T2 Mapping in the Brain Using Compressed Sensing and Dictionary Fitting	Tom	Hilbert	Quantitative Mapping of the Brain
4536	Optimised T2 Preparation for Brain Imaging: Application to Compressed Sensing 3D T2 Mapping	Tom	Hilbert	Optimization of Quantitative Mapping Techniques
4561	Combining Parallel Imaging and Model-based Reconstruction for Isotropic 3D T2 mapping with Multi-Echo GRASE	Tom	Hilbert	Quantitative Mapping: Relaxometry & Beyond
340	Age-specific Quantitative Brain Atlas Modelling Brain Shape and T1 Changes	Tom	Hilbert	Pitch: The Aging Brain
668	Deriving Brain Myelin Water Fraction Maps from Relaxometry: a Data-Driven Approach	Tom	Hilbert	Pitch: Machine Learning Unleashed 2
2978	Towards 1 min brain morphometry - evaluating compressed-sensing MPRAGE	Tom	Hilbert	Novel Neuroimaging Methods
4125	Whole-Tumor Histogram and Textural Analysis of Model-based T2 Mapping for the Ki-67 Labeling Index of Breast Cancer	Tom	Hilbert	Breast: Technical
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928	Inter-frame phase alignment for Echo Planar Imaging calibration data acquired with opposite read-out polarities	Uvo	Hoelscher	Pitch: Imperfections, Artifacts, Corrections -- Oh My!
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74	Network Accelerated Motion Estimation and Reduction (NAMER): Accelerating forward model based retrospective motion correction using a convolutional neural network	Julian	Hossbach	Freeze It: Managing Motion in MRI

2432	Intra-Session, Intra-Day and Inter-Day Reproducibility of MRI Image Quality Metrics in a Controlled Scan Setup	Till	Huelnhagen	Image Reconstruction
2462	A Simple Fully Automated Method for Skull-Stripping Quality Control in Brain MR Image Processing Pipelines Evaluated Using Multicenter Data	Till	Huelnhagen	Image Processing & Analysis
3327	Quantitative pharmacokinetic comparison of adenoma and normal pituitary gland using high-temporal and spatial resolution dynamic contrast enhanced MRI	Hiroshi	Imai	Emerging Technology & Translational Imaging 2
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4094	Quantitative Pulmonary Ventilation Imaging in Patients with Cystic Fibrosis using breath-hold 3D-UTE at 3T	Josef	Pfeuffer	Lung: Proton-Based Imaging
4078	Comparison of Quantitative Pulmonary Ventilation Imaging using 3D-UTE under breath-holding and free-breathing in patients with structural lung disease at 3 T.	Josef	Pfeuffer	Lung: Proton-Based Imaging
4851	Deep Neural Networks for Motion Estimation in k-space: Applications and Design	Josef	Pfeuffer	Machine Learning for Image Enhancement, Quality Assessment & Synthetic Image Generation
2111	Four-dimensional whole-heart cine imaging with isotropic resolution in one single breath-hold: initial results	Davide	Piccini	Myocardial Function & Deformation 1
4400	Accelerating Multi-Echo GRASE with CAIPIRINHA for Fast and High-Resolution Myelin Water Imaging	Gian Franco	Piredda	Quantitative Mapping of the Brain
4561	Combining Parallel Imaging and Model-based Reconstruction for Isotropic 3D T2 mapping with Multi-Echo GRASE	Gian Franco	Piredda	Quantitative Mapping: Relaxometry & Beyond
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668	Deriving Brain Myelin Water Fraction Maps from Relaxometry: a Data-Driven Approach	Gian Franco	Piredda	Poster: Machine Learning Unleashed 2
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3820	Active Tracking-based cardiac triggering of MR thermometry for MRI-guided cardiac ablation	Thomas	Pohl	MR-Guided HIFU & MR Thermometry
665	Joint multi-contrast Variational Network reconstruction (jVN) with application to Wave-CAIPI acquisition for rapid imaging	Esther	Raithel	Machine Learning for Image Reconstruction
4441	Prospective motion correction for compressed sensing 3D TSE sequence	Esther	Raithel	Motion Correction: Brain
2923	A Dedicated Framework for Intracranial Vessel Wall Imaging: Optimized 3D Dark-blood Imaging and Automated Post-processing	Esther	Raithel	Neurovascular 2
3159	Brain volume measurements in multiple sclerosis patients: a novel combination approach for routine clinical assessment in MS PATHS	Veronica	Ravano	Multiple Sclerosis: Connections & Disruptions
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2039	A Magnetization Recovery Matched TI-Scout for Exact Determination of Inversion Time in Segmented Inversion Recovery Gradient Echo Imaging for Late Gadolinium Enhancement	Wolfgang	Rehwald	Tissue Characterization 2
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1254	Compressed-sensing 1mm-isotropic 3D Whole-Heart Water/Fat Coronary MR Angiography in ~10 minutes	Michaela	Schmidt	Frontiers of Image Reconstruction
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2055	Contrast-enhanced compressed sensing whole-heart 3T MR angiography in detection of coronary artery stenosis: A preliminary comparative study with computed tomography angiography	Michaela	Schmidt	Contrast-Enhanced & Non-Contrast MR Angiography
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3382	Altered structural connectivity in the auditory-related pathway in patients with idiopathic sudden sensorineural hearing loss by diffusion spectrum imaging	Qinglei	Shi	Diffusion MRI: Fiber Orientations & Tracking
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3437	Readout segmented EPI based Relative apparent diffusion coefficient in early monitoring the treatment effect of low-intensity transcranial ultrasound: evaluation in a rat permanent occlusion model	Qinglei	Shi	Diffusion: Neuro Applications

1374	Differentiation of Soft Tissue Lymphoma from Undifferentiated Sarcoma: ADC Histogram Analysis of Whole Tumor Volume and Single-Slice ADC Measurements at 3T	Yohan	Son	Bone 2 & MSK Tumors
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2847	APT-weighted imaging for differentiation between brain tumors of glial origin	Frederik	Testud	Brain Tumors: Pre-Treatment
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4435	High resolution 3D GRASE BLADE Arterial Spin Labelling sequence: evaluation of the performance with various level of motion: simulations and validation in volunteers and patients	Thomas	Troalen	Motion Correction: Brain
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3476	Whole-lesion histogram analysis of the apparent diffusion coefficient - a correlation study with histological grade of hepatocellular	Shaoyu	Wang	Diffusion MRI: Signal Representation & Modelling
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933	A novel method combining Dixon water-fat separation and BLADE imaging	Dehe	Weng	Pitch: Imperfections, Artifacts, Corrections -- Oh My!
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2914	Grading meningiomas using mono-exponential, bi-exponential and stretched exponential model-based diffusion-weighted MR imaging	Zhongshuai	Zhang	Brain Tumors: Post-Treatment
2955	The differentiation between sinonasal natural killer/T-cell lymphomas and diffuse large B-cell lymphomas by high resolution DWI combined with conventional MRI	Zhongshuai	Zhang	Head & Neck
2950	CAIPIRINHA-accelerated 3D constructive interference in the steady state MRI of trigeminal nerve: performance evaluation on image quality at 3.0T	Qiong	Zhang	Head & Neck
1912	Use of 3D Arterial Spin Labeling to Evaluate Renal Perfusion in Patients with Chronic Kidney Disease	Zhongshuai	Zhang	Kidney: Clinical & Preclinical
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2096	A fast and contrast-free MR approach to the diagnosis of deep vein thrombosis based on DANTE-prepared gradient echo	Xiaoyong	Zhang	Atherosclerosis & MR Angiography
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