

Frédérique Frouin

List of Publications by Year in descending order

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148
papers

3,517
citations

236925

25
h-index

161849

54
g-index

174
all docs

174
docs citations

174
times ranked

4151
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | LIFEx: A Freeware for Radiomic Feature Calculation in Multimodality Imaging to Accelerate Advances in the Characterization of Tumor Heterogeneity. <i>Cancer Research</i> , 2018, 78, 4786-4789. | 0.9 | 717 |
| 2 | Validation of A Method to Compensate Multicenter Effects Affecting CT Radiomics. <i>Radiology</i> , 2019, 291, 53-59. | 7.3 | 257 |
| 3 | A Postreconstruction Harmonization Method for Multicenter Radiomic Studies in PET. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1321-1328. | 5.0 | 250 |
| 4 | Ultrasound Elastography Based on Multiscale Estimations of Regularized Displacement Fields. <i>IEEE Transactions on Medical Imaging</i> , 2004, 23, 153-163. | 8.9 | 153 |
| 5 | Early Changes in Liver Perfusion Caused by Occult Metastases in Rats: Detection with Quantitative CT. <i>Radiology</i> , 2001, 218, 556-561. | 7.3 | 138 |
| 6 | How can we combat multicenter variability in MR radiomics? Validation of a correction procedure. <i>European Radiology</i> , 2021, 31, 2272-2280. | 4.5 | 93 |
| 7 | Automated segmentation of the aorta from phase contrast MR images: Validation against expert tracing in healthy volunteers and in patients with a dilated aorta. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 881-888. | 3.4 | 88 |
| 8 | Reduced capillary perfusion and permeability in human tumour xenografts treated with the VEGF signalling inhibitor ZD4190: an in vivo assessment using dynamic MR imaging and macromolecular contrast media. <i>Magnetic Resonance Imaging</i> , 2003, 21, 845-851. | 1.8 | 75 |
| 9 | Hearts and minds: linking vascular rigidity and aerobic fitness with cognitive aging. <i>Neurobiology of Aging</i> , 2015, 36, 304-314. | 3.1 | 75 |
| 10 | Factor Analysis of Dynamic Magnetic Resonance Imaging in Predicting the Response of Osteosarcoma to Chemotherapy. <i>Investigative Radiology</i> , 1992, 27, 847-855. | 6.2 | 74 |
| 11 | Consistency of aortic distensibility and pulse wave velocity estimates with respect to the Bramwell-Hill theoretical model: a cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011, 13, 11. | 3.3 | 71 |
| 12 | Target apex-seeking in factor analysis of medical image sequences. <i>Physics in Medicine and Biology</i> , 1993, 38, 123-137. | 3.0 | 61 |
| 13 | A statistical model for the determination of the optimal metric in factor analysis of medical image sequences (FAMIS). <i>Physics in Medicine and Biology</i> , 1993, 38, 1065-1080. | 3.0 | 50 |
| 14 | A posteriori respiratory gating in contrast ultrasound for assessment of hepatic perfusion. <i>Physics in Medicine and Biology</i> , 2005, 50, 4465-4480. | 3.0 | 45 |
| 15 | Comprehensive model for simultaneous MRI determination of perfusion and permeability using a blood-pool agent in rats rhabdomyosarcoma. <i>European Radiology</i> , 2005, 15, 2497-2505. | 4.5 | 44 |
| 16 | 7-Ketocholesterol favors lipid accumulation and colocalizes with Nile Red positive cytoplasmic structures formed during 7-ketocholesterol-induced apoptosis: Analysis by flow cytometry, FRET biphoton spectral imaging microscopy, and subcellular fractionation. <i>Journal of Lipid Research</i> , 2005, 46, 87-100. | | 44 |
| 17 | New criteria for assessing fit quality in dynamic contrast-enhanced T1-weighted MRI for perfusion and permeability imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 868-877. | 3.0 | 40 |
| 18 | Famis: A software package for functional feature extraction from biomedical multidimensional images. <i>Computerized Medical Imaging and Graphics</i> , 1992, 16, 81-91. | 5.8 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Automated estimation of aortic strain from steady-state free-precession and phase contrast MR images. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 986-993. | 3.0 | 36 |
| 20 | An improved FSL-FIRST pipeline for subcortical gray matter segmentation to study abnormal brain anatomy using quantitative susceptibility mapping (QSM). <i>Magnetic Resonance Imaging</i> , 2017, 39, 110-122. | 1.8 | 36 |
| 21 | Assessment of left ventricular contraction by parametric analysis of main motion (PAMM): theory and application for echocardiography. <i>Physics in Medicine and Biology</i> , 2005, 50, 3277-3296. | 3.0 | 34 |
| 22 | Computation of reliable textural indices from multimodal brain MRI: suggestions based on a study of patients with diffuse intrinsic pontine glioma. <i>Physics in Medicine and Biology</i> , 2018, 63, 105003. | 3.0 | 32 |
| 23 | An automatic respiratory gating method for the improvement of microcirculation evaluation: application to contrast-enhanced ultrasound studies of focal liver lesions. <i>Physics in Medicine and Biology</i> , 2011, 56, 5153-5165. | 3.0 | 29 |
| 24 | Iron nanoparticles increase 7-ketocholesterol-induced cell death, inflammation, and oxidation on murine cardiac HL1-NB cells. <i>International Journal of Nanomedicine</i> , 2010, 5, 185. | 6.7 | 28 |
| 25 | Regularized Estimation of Contrast Agent Attenuation to Improve the Imaging of Microbubbles in Small Animal Studies. <i>Ultrasound in Medicine and Biology</i> , 2008, 34, 938-948. | 1.5 | 27 |
| 26 | Nonsupervised Ranking of Different Segmentation Approaches: Application to the Estimation of the Left Ventricular Ejection Fraction From Cardiac Cine MRI Sequences. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 1651-1660. | 8.9 | 27 |
| 27 | Robust assessment of the transmural extent of myocardial infarction in late gadolinium-enhanced MRI studies using appropriate angular and circumferential subdivision of the myocardium. <i>European Radiology</i> , 2008, 18, 2140-2147. | 4.5 | 25 |
| 28 | Impact of 7-ketocholesterol and very long chain fatty acids on oligodendrocyte lipid membrane organization: Evaluation via LAURDAN and FAMIS spectral image analysis. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 293-305. | 1.5 | 23 |
| 29 | Foundations of factor analysis of medical image sequences: a unified approach and some practical implications. <i>Image and Vision Computing</i> , 1994, 12, 375-385. | 4.5 | 22 |
| 30 | Using an adaptive semiautomated self-evaluated registration technique to analyze MRI data for myocardial perfusion assessment. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 18, 681-690. | 3.4 | 21 |
| 31 | Comparison of various methods for quantitative evaluation of myocardial infarct volume from magnetic resonance delayed enhancement data. <i>International Journal of Cardiology</i> , 2013, 167, 739-744. | 1.7 | 21 |
| 32 | Transcutaneous Laryngeal Ultrasonography for Laryngeal Immobility Diagnosis in Patients with Voice Disorders After Thyroid/Parathyroid Surgery. <i>World Journal of Surgery</i> , 2018, 42, 2102-2108. | 1.6 | 20 |
| 33 | A radiomics pipeline dedicated to Breast MRI: validation on a multi-scanner phantom study. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 355-366. | 2.0 | 20 |
| 34 | Radiologic Assessment of Intranodal Vascularity in Head and Neck Squamous Cell Carcinoma. <i>Investigative Radiology</i> , 1996, 31, 673-679. | 6.2 | 20 |
| 35 | Extraction of functional volumes from medical dynamic volumetric data sets. <i>Computerized Medical Imaging and Graphics</i> , 1993, 17, 397-404. | 5.8 | 19 |
| 36 | Factor analysis of the left ventricle by echocardiography (FALVE): a new tool for detecting regional wall motion abnormalities. <i>European Journal of Echocardiography</i> , 2004, 5, 335-346. | 2.3 | 19 |

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|----|--|-----|-----------|
| 37 | Automatic Detection of End Systole within a Sequence of Left Ventricular Echocardiographic Images using Autocorrelation and Mitral Valve Motion Detection. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4504-7. | 0.5 | 19 |
| 38 | An automated myocardial segmentation in cardiac MRI. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4508-11. | 0.5 | 19 |
| 39 | Effects of caspase inhibitors (z-VAD-fmk, z-VDVAD-fmk) on Nile Red fluorescence pattern in 7-ketocholesterol-treated cells: Investigation by flow cytometry and spectral imaging microscopy. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2007, 71A, 550-562. | 1.5 | 19 |
| 40 | An automated quantification of the transmural myocardial infarct extent using cardiac DE-MR images. , 2009, 2009, 4403-6. | | 19 |
| 41 | Improved estimation of velocity and flow rate using regularized three-point phase-contrast velocimetry. Magnetic Resonance in Medicine, 2000, 44, 122-128. | 3.0 | 18 |
| 42 | Deconvolution Technique for Measuring Tissue Perfusion by Dynamic CT. Academic Radiology, 2002, 9, S205-S211. | 2.5 | 18 |
| 43 | Interobserver Variability in Assessing Segmental Function can be Reduced by Combining Visual Analysis of CMR Cine Sequences with Corresponding Parametric Images of Myocardial Contraction. Journal of Cardiovascular Magnetic Resonance, 2007, 9, 863-872. | 3.3 | 18 |
| 44 | Evaluation of regional myocardial function using automated wall motion analysis of cine MR images: Contribution of parametric images, contraction times, and radial velocities. Journal of Magnetic Resonance Imaging, 2007, 26, 1127-1132. | 3.4 | 18 |
| 45 | Renal Blood Flow Quantification in Pigs Using Contrast-Enhanced Ultrasound: An Ex Vivo Study. Ultraschall in Der Medizin, 2010, 31, 363-369. | 1.5 | 18 |
| 46 | Fully automated segmentation of the left ventricle applied to cine MR images: Description and results on a database of 45 Subjects. , 2012, 2012, 3207-10. | | 17 |
| 47 | Correction for Magnetic Field Inhomogeneities and Normalization of Voxel Values Are Needed to Better Reveal the Potential of MR Radiomic Features in Lung Cancer. Frontiers in Oncology, 2020, 10, 43. | 2.8 | 17 |
| 48 | Semi-automated cardiac segmentation on cine magnetic resonance images using GVF-Snake deformable models. , 2009, , . | | 17 |
| 49 | Factor analysis as a means of determining response to chemotherapy in patients with osteogenic sarcoma. European Journal of Nuclear Medicine and Molecular Imaging, 1993, 20, 1175-1185. | 2.1 | 16 |
| 50 | Laser scanning confocal microscopy and factor analysis of biomedical image sequences (FAMIS) to detect and characterise HPV DNA sequences by FISH in HeLa cells. Cytometry, 1997, 28, 269-279. | 1.8 | 16 |
| 51 | An automated image-processing strategy to analyze dynamic arterial spin labeling perfusion studies. Application to human skeletal muscle under stress. Magnetic Resonance Imaging, 2006, 24, 941-951. | 1.8 | 16 |
| 52 | Correlation and Agreement Between Contrast-Enhanced Ultrasonography and Perfusion Computed Tomography for Assessment of Liver Metastases from Endocrine Tumors: Normalization Enhances Correlation. Ultrasound in Medicine and Biology, 2012, 38, 953-961. | 1.5 | 16 |
| 53 | Automatic Assessment of Shear Wave Elastography Quality and Measurement Reliability in the Liver. Ultrasound in Medicine and Biology, 2015, 41, 936-943. | 1.5 | 16 |
| 54 | Comparison between factor analysis of dynamic structures and Fourier analysis in detection of segmental wall motion abnormalities: a clinical evaluation. International Journal of Cardiovascular Imaging, 1995, 11, 263-272. | 0.6 | 15 |

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|----|---|-----|-----------|
| 55 | Four-dimensional factor analysis of confocal image sequences (4D-FAMIS) to detect and characterize low copy numbers of human papillomavirus DNA by FISH in HeLa and SiHa cells. <i>Journal of Microscopy</i> , 1999, 193, 227-243. | 1.8 | 15 |
| 56 | Descending aorta subject-specific one-dimensional model validated against in vivo data. <i>Journal of Biomechanics</i> , 2014, 47, 424-431. | 2.1 | 15 |
| 57 | Spatial regularization applied to factor analysis of medical image sequences (FAMIS). <i>Physics in Medicine and Biology</i> , 1999, 44, 2289-2306. | 3.0 | 14 |
| 58 | Factor Analysis of Medical Image Sequences Improves Evaluation of First-Pass MR Imaging Acquisitions for Myocardial Perfusion. <i>Academic Radiology</i> , 2002, 9, 26-39. | 2.5 | 14 |
| 59 | Optimization of factor analysis of the left ventricle in echocardiography for detecting wall motion abnormalities. <i>Ultrasound in Medicine and Biology</i> , 2005, 31, 1597-1606. | 1.5 | 14 |
| 60 | Confocal multilaser focusing and single-laser characterization of ultraviolet excitable stains of cellular preparations. , 2000, 40, 42-49. | | 13 |
| 61 | Adaptive and self-evaluating registration method for myocardial perfusion assessment. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2001, 13, 28-39. | 2.0 | 13 |
| 62 | Local reconstruction of stenosed sections of artery using multiple MRA acquisitions. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 731-742. | 3.0 | 12 |
| 63 | Automated estimation of regional mean transition times and radial velocities from cine magnetic resonance images: Evaluation in normal subjects. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 236-242. | 3.4 | 11 |
| 64 | Improved Estimation of Cardiac Function Parameters Using a Combination of Independent Automated Segmentation Results in Cardiovascular Magnetic Resonance Imaging. <i>PLoS ONE</i> , 2015, 10, e0135715. | 2.5 | 11 |
| 65 | Diagnosis of malignancy in thyroid nodules by factor analysis of spectral and dynamic structures: a simultaneous dual-isotope dynamic study with thallium-201 and iodine-131. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1992, 19, 517-21. | 2.1 | 10 |
| 66 | Assessing Perfusion and Capillary Permeability Changes Induced by a VEGF Inhibitor in Human Tumor Xenografts using Macromolecular MR Imaging Contrast Media. <i>Academic Radiology</i> , 2002, 9, S328-S329. | 2.5 | 10 |
| 67 | Quantification of tumor perfusion using dynamic contrast-enhanced ultrasound: impact of mathematical modeling. <i>Physics in Medicine and Biology</i> , 2017, 62, 1113-1125. | 3.0 | 10 |
| 68 | Automated Segmentation of the Left Ventricle Including Papillary Muscles in Cardiac Magnetic Resonance Images. <i>Lecture Notes in Computer Science</i> , 2007, , 453-462. | 1.3 | 10 |
| 69 | An automated four-point scale scoring of segmental wall motion in echocardiography using quantified parametric images. <i>Physics in Medicine and Biology</i> , 2010, 55, 5753-5766. | 3.0 | 9 |
| 70 | Evaluation of an edge-based registration method: application to magnetic resonance first-pass myocardial perfusion data. <i>Magnetic Resonance Imaging</i> , 2011, 29, 853-860. | 1.8 | 9 |
| 71 | Spectral and dynamic confocal fluorescence characterization of cytogenetic preparations. <i>Analytical Cellular Pathology</i> , 1996, 12, 45-56. | 2.1 | 9 |
| 72 | Validation of myocardial perfusion reserve measurements using regularized factor images of H(2)(15)O dynamic PET scans. <i>Journal of Nuclear Medicine</i> , 2001, 42, 1737-46. | 5.0 | 9 |

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|----|---|-----|-----------|
| 73 | Object Detection Improves Tumour Segmentation in MR Images of Rare Brain Tumours. <i>Cancers</i> , 2021, 13, 6113. | 3.7 | 9 |
| 74 | Classification of Segmental Wall Motion in Echocardiography Using Quantified Parametric Images. <i>Lecture Notes in Computer Science</i> , 2005, , 477-486. | 1.3 | 8 |
| 75 | Sex moderations in the relationship between aortic stiffness, cognition, and cerebrovascular reactivity in healthy older adults. <i>PLoS ONE</i> , 2021, 16, e0257815. | 2.5 | 8 |
| 76 | "ART-FUN": an integrated software for functional analysis of the aorta. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009, 11, . | 3.3 | 7 |
| 77 | Voxel-Based Statistical Analysis of 3D Immunostained Tissue Imaging. <i>Frontiers in Neuroscience</i> , 2018, 12, 754. | 2.8 | 7 |
| 78 | Analysis of CD36 expression on human monocytic cells and atherosclerotic tissue sections with quantum dots: investigation by flow cytometry and spectral imaging microscopy. , 2006, 28, 14-26. | | 7 |
| 79 | Diagnostic Value of Parametric Imaging of Left Ventricular Wall Motion From Contrast-Enhanced Echocardiograms in Patients With Poor Acoustic Windows. <i>Journal of the American Society of Echocardiography</i> , 2009, 22, 276-283. | 2.8 | 6 |
| 80 | Registration and functional analysis of CT dynamic image sequences for the follow-up of patients with hepatic tumors undergoing antiangiogenic therapy. <i>Irbm</i> , 2010, 31, 263-270. | 5.6 | 6 |
| 81 | Methodology for Jointly Assessing Myocardial Infarct Extent and Regional Contraction in 3-D CMRI. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 2650-2659. | 4.2 | 6 |
| 82 | Robust supervised segmentation of neuropathology whole-slide microscopy images. , 2015, 2015, 3851-4. | | 6 |
| 83 | FRET multiphoton spectral imaging microscopy of 7-ketocholesterol and Nile Red in U937 monocytic cells loaded with 7-ketocholesterol. , 2004, 26, 304-13. | | 6 |
| 84 | A regularized approach to freehand ultrasound elastography of breast lesions. , 0, , . | | 5 |
| 85 | An Original Methodology for Quantitative Assessment of Perfusion in Small Animal Studies Using Contrast-Enhanced Ultrasound. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 347-50. | 0.5 | 5 |
| 86 | Quantitative evaluation of rigid and elastic registrations for abdominal perfusion imaging with X-ray computed tomography. <i>Irbm</i> , 2013, 34, 283-286. | 5.6 | 5 |
| 87 | Numerical modeling of arterial pulse wave propagation to characterize aortic hemodynamic: Validation using magnetic resonance data. <i>Irbm</i> , 2013, 34, 86-89. | 5.6 | 5 |
| 88 | A new quantitative approach for estimating bone cell connections from nano-CT images. , 2013, 2013, 3694-7. | | 5 |
| 89 | Detection of recurrent nerve paralysis: Development of a Computer Aided Diagnosis system. <i>Irbm</i> , 2015, 36, 367-374. | 5.6 | 5 |
| 90 | Can Structural MRI Radiomics Predict DIPG Histone H3 Mutation and Patient Overall Survival at Diagnosis Time?. , 2019, , . | | 5 |

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| 91 | A downsampling strategy to assess the predictive value of radiomic features. Scientific Reports, 2019, 9, 17869. | 3.3 | 5 |
| 92 | Impact of C24:0 on actin-microtubule interaction in human neuronal SK-N-BE cells: evaluation by FRET confocal spectral imaging microscopy after dual staining with rhodamine-phalloidin and tubulin tracker green. Functional Neurology, 2015, 30, 33-46. | 1.3 | 5 |
| 93 | Foundations of factor analysis of medical image sequences: A unified approach and some practical implications. Lecture Notes in Computer Science, 1993, , 401-421. | 1.3 | 4 |
| 94 | A mutual reference shape based on information theory. , 2014, , . | | 4 |
| 95 | Sonographic Dynamic Description of the Laryngeal Tract: Definition of Quantitative Measures to Characterize Vocal Fold Motion and Estimation of Their Normal Values. Journal of Ultrasound in Medicine, 2017, 36, 1037-1044. | 1.7 | 4 |
| 96 | Analysis of the distribution of MRI contrast agents in the livers of small animals by means of complementary microscopies. , 2003, 51A, 97-106. | | 3 |
| 97 | Using Cine MR Images to Evaluate Myocardial Infarct Transmurality on Delayed Enhancement Images. , 0, , . | | 3 |
| 98 | 2K-5 Compensation of Attenuation in Contrast-Enhanced Ultrasound: Application to Small Animal Studies. , 2006, , . | | 3 |
| 99 | Quantification of myocardial edema and necrosis during acute myocardial infarction. , 2008, , . | | 3 |
| 100 | Estimation of pressure gradient images from velocity encoded MR acquisitions. , 2008, , . | | 3 |
| 101 | Comparison of different segmentation approaches without using gold standard. Application to the estimation of the left ventricle ejection fraction from cardiac cine MRI sequences. , 2011, 2011, 2663-6. | | 3 |
| 102 | Fluorescence excitation analysis by two-photon confocal laser scanning microscopy: a new method to identify fluorescent nanoparticles on histological tissue sections. International Journal of Nanomedicine, 2012, 7, 5545. | 6.7 | 3 |
| 103 | Parametric Analysis of Main Motion to Study the Regional Wall Motion of the Left Ventricle in Echocardiography. Lecture Notes in Computer Science, 2003, , 173-183. | 1.3 | 3 |
| 104 | Laser scanning confocal microscopy and factor analysis of biomedical image sequences (FAMIS) to detect and characterise HPV DNA sequences by FISH in HeLa cells. Cytometry, 1997, 28, 269-79. | 1.8 | 3 |
| 105 | Image Sequence Processing Using Factor Analysis And Compartmental Modelling. , 1989, , . | | 2 |
| 106 | <title>CAMIS: clustering algorithm for medical image sequences using a mutual nearest neighbor criterion</title>. , 1994, 2299, 336. | | 2 |
| 107 | Adaptive and self-evaluating registration method for myocardial perfusion assessment. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2001, 13, 28-39. | 2.0 | 2 |
| 108 | Intégration de connaissances et modélisation en imagerie médicale. IRBM News, 2004, 25, 139-149. | 0.1 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | 12A-6 A Method for the Regularized Estimation of Contrast Agent Concentration in Small Animal Contrast-Enhanced Ultrasound Studies. Proceedings IEEE Ultrasonics Symposium, 2007, , . | 0.0 | 2 |
| 110 | An automated evaluation of regional left ventricular function on cine magnetic resonance images. , 2008, , . | | 2 |
| 111 | Diagnostic value of parametric imaging of left ventricular wall motion from contrast-enhanced echocardiograms in patients with poor acoustic windows. , 2008, , . | | 2 |
| 112 | An efficient strategy based on an individualized selection of registration methods. Application to the coregistration of MR and SPECT images in neuro-oncology. Physics in Medicine and Biology, 2014, 59, 6997-7011. | 3.0 | 2 |
| 113 | Impact of Recirculation in Dynamic Contrast-Enhanced Ultrasound: A Simulation Study. Irbm, 2017, 38, 179-189. | 5.6 | 2 |
| 114 | Factor Analysis of Medical Image Sequences (FAMIS): Fundamental principles and applications. Studies in Classification, Data Analysis, and Knowledge Organization, 1994, , 619-627. | 0.2 | 2 |
| 115 | 3D Regularisation and Segmentation of Factor Volumes to Process PET H2 15O Myocardial Perfusion Studies. Lecture Notes in Computer Science, 2001, , 91-96. | 1.3 | 2 |
| 116 | Impact of C24:0 on actin-microtubule interaction in human neuronal SK-N-BE cells: evaluation by FRET confocal spectral imaging microscopy after dual staining with rhodamine-phalloidin and tubulin tracker green. Functional Neurology, 0, , . | 1.3 | 2 |
| 117 | Multiple excitation confocal analysis of targets in nuclei of cytogenetic preparations. , 2004, 26, 1-6. | | 2 |
| 118 | Motion correction for the automated analysis of functional MR studies. , 1995, 2433, 248. | | 1 |
| 119 | Evaluation of factor analysis accuracy for myocardial perfusion in PET studies. , 0, , . | | 1 |
| 120 | Performance analysis of a regularized algorithm for elasticity imaging. , 0, , . | | 1 |
| 121 | Quantification of parametric images to assess segmental wall motion of the left ventricle in echocardiography. , 2005, , . | | 1 |
| 122 | Quantitative assessment of the infarct transmuralty using delayed contrast enhanced magnetic resonance images: description and validation. , 2005, , . | | 1 |
| 123 | Évaluation par AFSIM d'une méthode de régularisée de correction de l'atténuation en imagerie de contraste ultrasonore. Irbm, 2009, 30, 174-178. | 5.6 | 1 |
| 124 | Estimation de la distensibilité aortique à partir de séquences d'images de résonance magnétique «steady-state free-precession» et «contraste de phase». Irbm, 2011, 32, 221-228. | 5.6 | 1 |
| 125 | Cardiac imaging research group. Results and future works. Irbm, 2013, 34, 21-23. | 5.6 | 1 |
| 126 | A new strategy to improve coregistration of spect and MR images in patients with high grade glioma. , 2013, 2013, 4002-5. | | 1 |

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|-----|--|-----|-----------|
| 127 | An Overview of ANR TecSan Projects in 2011. <i>Irbm</i> , 2015, 36, 61. | 5.6 | 1 |
| 128 | Analysis of fluorescent MRI contrast agent behavior in the liver and thoracic aorta of mice. , 2004, 26, 233-8. | | 1 |
| 129 | Impact of ComBat and a Multi-Model approach to deal with multi-scanner and missing MRI data in a small cohort study. Application to H3K27M mutation prediction in patients with DIPG. , 2021, 2021, 3809-3812. | | 1 |
| 130 | Automated analysis of dynamic medical image series with a priori physiological knowledge. , 0, , . | | 0 |
| 131 | <title>Optimal metric for factor analysis of medical image sequences</title>. , 1993, , . | | 0 |
| 132 | Processing by factor analysis of dynamic dual isotope studies using ⁹⁹ Tcm and ²⁰¹ Tl within a middle energy band. Evaluation in thyroid nodule malignancy. <i>Nuclear Medicine Communications</i> , 1994, 15, 367-378??378. | 1.1 | 0 |
| 133 | Global strategy to extract automatically relevant subdominant perfusion information: application to skeletal muscle NMR imaging with arterial spin labeling. , 0, , . | | 0 |
| 134 | A posteriori navigator echo for perfusion imaging of the liver with contrast ultrasound. , 0, , . | | 0 |
| 135 | Parametric analysis of main motion: application to the assessment of left ventricular wall motion by MR imaging. , 0, , . | | 0 |
| 136 | Approche quantitative pour l'Ã©valuation de l'Ã©tendue de l'infarctus Ã partir des images de rehaussement tardif en IRM. <i>IRBM News</i> , 2005, 26, 255-257. | 0.1 | 0 |
| 137 | Comparison of three methods to estimate regional wall motion on the Evalechocard database of echocardiographic image sequences. , 2007, , . | | 0 |
| 138 | Quantification automatisÃ©e de la transmuralitÃ© de lâ€™infarctus du myocarde sur des images de rehaussement tardif en IRM. <i>Irbm</i> , 2009, 30, 184-187. | 5.6 | 0 |
| 139 | Automated 3D measurements of the aortic length using the Hough transform. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011, 13, . | 3.3 | 0 |
| 140 | A Framework using multimodal imaging for longitudinal monitoring of patients in neuro-oncology. Application to a SPECT/MRI study. , 2014, 2014, 1905-8. | | 0 |
| 141 | Interest of reference region models to monitor cancer treatment using dynamic contrast enhanced studies. <i>Cancer Imaging</i> , 2014, 14, . | 2.8 | 0 |
| 142 | Quantification of vocal fold motion using echography: application to recurrent nerve paralysis detection. , 2015, , . | | 0 |
| 143 | An Overview of 2012 TecSan Projects. <i>Irbm</i> , 2016, 37, 51. | 5.6 | 0 |
| 144 | Regularized linear resolution of a one-compartment model to improve the reproducibility of perfusion parameters in CEUS. , 2016, , . | | 0 |

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|-----|---|-----|-----------|
| 145 | P05.88 Radiomics analysis of brain metastases from non-small cell lung cancer brings relevant supplementary information to clinical scores. <i>Neuro-Oncology</i> , 2018, 20, iii324-iii324. | 1.2 | 0 |
| 146 | Optimization of a Shape Metric Based on Information Theory Applied to Segmentation Fusion and Evaluation in Multimodal MRI for DIPG Tumor Analysis. <i>Lecture Notes in Computer Science</i> , 2021, , 772-780. | 1.3 | 0 |
| 147 | Preclinical and clinical evaluation of a new method to assess cardiac insulin resistance using nuclear imaging. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 1419-1429. | 2.1 | 0 |
| 148 | P1133 Factorial parametric imaging of the left-ventricular contraction: validation of a new tool for assessing segmental wall motion abnormalities. <i>European Heart Journal</i> , 2003, 24, 207. | 2.2 | 0 |