

# Marga B Rominger

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

1,664  
citations

236925

25  
h-index

302126

39  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1631  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Right ventricular volumes and ejection fraction with fast cine MR imaging in breath-hold technique: Applicability, normal values from 52 volunteers, and evaluation of 325 adult cardiac patients. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 908-918. | 3.4 | 130       |
| 2  | MR imaging of anatomy and tears of wrist ligaments.. <i>Radiographics</i> , 1993, 13, 1233-1246.   | 3.3 | 101       |
| 3  | Diagnosis of rotator cuff lesions: comparison of US and MRI on 38 joint specimens. <i>European Radiology</i> , 1997, 7, 192-197.   | 4.5 | 87        |
| 4  | Predictive value of galactographic patterns for benign and malignant neoplasms of the breast in patients with nipple discharge.. <i>British Journal of Radiology</i> , 2000, 73, 706-714.  | 2.2 | 76        |
| 5  | Cell-free collagen type I matrix for repair of cartilage defectsâ€”clinical and magnetic resonance imaging results. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 1915-1922.   | 4.2 | 76        |
| 6  | MR, CT, and PET imaging in pericardial disease. <i>Heart Failure Reviews</i> , 2013, 18, 289-306.  | 3.9 | 74        |
| 7  | Spatial domain reconstruction for imaging speed-of-sound with pulse-echo ultrasound: simulation and <i>in vivo</i> study. <i>Physics in Medicine and Biology</i> , 2018, 63, 215015.   | 3.0 | 66        |
| 8  | MR imaging of the hands in early rheumatoid arthritis: preliminary results.. <i>Radiographics</i> , 1993, 13, 37-46.   | 3.3 | 54        |
| 9  | Increased enddiastolic wall stress precedes left ventricular hypertrophy in dilative heart failureâ€”Use of the volume-based wall stress index. <i>International Journal of Cardiology</i> , 2012, 157, 233-238.   | 1.7 | 54        |
| 10 | MR imaging of compartment syndrome of the lower leg: a case control study. <i>European Radiology</i> , 2004, 14, 1432-9.   | 4.5 | 52        |
| 11 | B-type natriuretic peptide and wall stress in dilated human heart. <i>Molecular and Cellular Biochemistry</i> , 2008, 314, 179-191.  | 3.1 | 51        |
| 12 | Improvement in outcomes after implantation of a novel polyurethane meniscal scaffold for the treatment of medial meniscus deficiency. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 1929-1935.   | 4.2 | 47        |
| 13 | Occurrence of late gadolinium enhancement is associated with increased left ventricular wall stress and mass in patients with nonâ€”ischemic dilated cardiomyopathy. <i>European Journal of Heart Failure</i> , 2011, 13, 937-944.                                   | 7.1 | 46        |
| 14 | Relation of B-type natriuretic peptide to left ventricular wall stress as assessed by cardiac magnetic resonance imaging in patients with dilated cardiomyopathy. <i>Canadian Journal of Physiology and Pharmacology</i> , 2007, 85, 790-799.                        | 1.4 | 39        |
| 15 | Gadolinium-enhanced MR imaging of renal masses.. <i>Radiographics</i> , 1992, 12, 1097-1116.   | 3.3 | 37        |
| 16 | Galactography and exfoliative cytology in women with abnormal nipple discharge. <i>Obstetrics and Gynecology</i> , 2001, 97, 625-629.  | 2.4 | 37        |
| 17 | Wall stress determines systolic and diastolic function â€” Characteristics of heart failure. <i>International Journal of Cardiology</i> , 2016, 202, 685-693.  | 1.7 | 35        |
| 18 | Which factors influence MRI-pathology concordance of tumour size measurements in breast cancer?. <i>European Radiology</i> , 2016, 26, 1457-1465.  | 4.5 | 35        |

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|----|---|-----|-----------|
| 19 | Validity of palpation techniques for the identification of the spinous process L5. <i>Manual Therapy</i> , 2013, 18, 333-338.   | 1.6 | 33        |
| 20 | Use of cell-free collagen type I matrix implants for the treatment of small cartilage defects in the knee: clinical and magnetic resonance imaging evaluation. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 1270-1276.   | 4.2 | 33        |
| 21 | Speed of sound ultrasound: a pilot study on a novel technique to identify sarcopenia in seniors. <i>European Radiology</i> , 2019, 29, 3-12.  | 4.5 | 33        |
| 22 | Influencing Factors of 2D Shear Wave Elastography of the Muscle – An Ex Vivo Animal Study. <i>Ultrasound International Open</i> , 2018, 04, E54-E60.  | 0.6 | 29        |
| 23 | Breast Cancer Assessment With Pulse-Echo Speed of Sound Ultrasound From Intrinsic Tissue Reflections. <i>Investigative Radiology</i> , 2019, 54, 419-427.   | 6.2 | 28        |
| 24 | Economical Sponge Phantom for Teaching, Understanding, and Researching – and – Line Reverberation Artifacts in Lung Ultrasound. <i>Journal of Ultrasound in Medicine</i> , 2017, 36, 2133-2142.   | 1.7 | 26        |
| 25 | Galactography and Exfoliative Cytology in Women With Abnormal Nipple Discharge. <i>Obstetrics and Gynecology</i> , 2001, 97, 625-629.   | 2.4 | 25        |
| 26 | A new method to assess ventricular wall stress in patients with heart failure and its relation to heart rate variability. <i>International Journal of Cardiology</i> , 2010, 139, 301-303.  | 1.7 | 25        |
| 27 | Breast-density assessment with hand-held ultrasound: A novel biomarker to assess breast cancer risk and to tailor screening?. <i>European Radiology</i> , 2018, 28, 3165-3175.  | 4.5 | 24        |
| 28 | Location-specific mechanical response and morphology of facial soft tissues. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 78, 108-115.   | 3.1 | 22        |
| 29 | Which Confounders Have the Largest Impact in Shear Wave Elastography of Muscle and How Can They be Minimized? An Elasticity Phantom, Ex Vivo Porcine Muscle and Volunteer Study Using a Commercially Available System. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 2591-2611. | 1.5 | 22        |
| 30 | Enhancing Same-Day Access to Magnetic Resonance Imaging. <i>Journal of the American College of Radiology</i> , 2011, 8, 649-656.  | 1.8 | 21        |
| 31 | Right Ventricular Cardiac Myxoma. <i>Herz</i> , 2005, 30, 663-667.  | 1.1 | 20        |
| 32 | Association of hyperhomocysteinemia with left ventricular dilatation and mass in human heart. <i>Clinical Chemistry and Laboratory Medicine</i> , 2010, 48, 555-60.   | 2.3 | 20        |
| 33 | Repair of a chondral defect using a cell free scaffold in a young patient - a case report of successful scaffold transformation and colonisation. <i>BMC Surgery</i> , 2013, 13, 11.  | 1.3 | 19        |
| 34 | Patellofemoral osteoarthritis after Insall's proximal realignment for recurrent patellar dislocation. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 2623-2628.  | 4.2 | 19        |
| 35 | Speed-of-Sound Imaging Based on Reflector Delineation. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 1949-1962.  | 4.2 | 18        |
| 36 | Accuracy of MRI volume measurements of breast lesions: comparison between automated, semiautomated and manual assessment. <i>European Radiology</i> , 2009, 19, 1097-1107.  | 4.5 | 12        |

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|----|---|-----|-----------|
| 37 | Spectral Quantification of Nonlinear Elasticity Using Acoustoelasticity and Shear-Wave Dispersion. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 1845-1855.  | 3.0 | 12        |
| 38 | Speed of sound ultrasound: comparison with proton density fat fraction assessed with Dixon MRI for fat content quantification of the lower extremity. European Radiology, 2020, 30, 5272-5280.  | 4.5 | 12        |
| 39 | Depression of Heart Rate Variability in Patients with Increased Ventricular Wall Stress. PACE - Pacing and Clinical Electrophysiology, 2009, 32, S26-31.  | 1.2 | 11        |
| 40 | Increased ventricular wall stress and late gadolinium enhancement in Takotsubo cardiomyopathy. International Journal of Cardiology, 2014, 172, e184-e186.   | 1.7 | 11        |
| 41 | The missing link between heart failure and sleep disordered breathing: Increased left ventricular wall stress. International Journal of Cardiology, 2012, 157, 294-297.   | 1.7 | 10        |
| 42 | Sources of Variability in Shear Wave Speed and Dispersion Quantification with Ultrasound Elastography: A Phantom Study. Ultrasound in Medicine and Biology, 2021, 47, 3529-3542.  | 1.5 | 10        |
| 43 | Microcalcification-Associated Breast Cancer: Presentation, Successful First Excision, Long-Term Recurrence and Survival Rate. Breast Care, 2015, 10, 380-385.   | 1.4 | 9         |
| 44 | Identifying Radiological Needs of Referring Clinicians. Journal of Digital Imaging, 2013, 26, 393-401.  | 2.9 | 8         |
| 45 | Breast Density Assessment in Young Women with Ultrasound based on Speed of Sound: Influence of the Menstrual Cycle. Medicine (United States), 2019, 98, e16123.   | 1.0 | 7         |
| 46 | Validation of the suction device Nimble for the assessment of skin fibrosis in systemic sclerosis. Arthritis Research and Therapy, 2020, 22, 128.   | 3.5 | 7         |
| 47 | Quantification of immobilization-induced changes in human calf muscle using speed-of-sound ultrasound. Medicine (United States), 2021, 100, e23576.   | 1.0 | 6         |
| 48 | Induction of Luciferase Activity under the Control of an hsp70 Promoter Using High-Intensity Focused Ultrasound: Combination of Bioluminescence and MRI Imaging in Three Different Tumour Models. Technology in Cancer Research and Treatment, 2011, 10, 197-210. | 1.9 | 4         |
| 49 | Lung ultrasound for point-of-care COVID-19 pneumonia stratification: computer-aided diagnostics in a smartphone. First experiences classifying semiology from public datasets. , 2020, , .  |     | 4         |
| 50 | Comparison of ultrasound speed-of-sound of the lower extremity and lumbar muscle assessed with computed tomography for muscle loss assessment. Medicine (United States), 2021, 100, e25947.   | 1.0 | 4         |
| 51 | Speed of sound and shear wave speed for calf soft tissue composition and nonlinearity assessment. Quantitative Imaging in Medicine and Surgery, 2021, 11, 4149-4161.  | 2.0 | 4         |
| 52 | Asymptomatic Blandâ€“Whiteâ€“Garland syndrome for 5Âˆdecades. Herz, 2013, 38, 65-66.  | 1.1 | 3         |
| 53 | Ultrasound Needle Visibility in Contrast Mode Imaging: An In Vitro and Ex Vivo Study. Ultrasound International Open, 2017, 03, E82-E88.   | 0.6 | 3         |
| 54 | Occurrence and Positive Predictive Value of Additional Nonmass Findings for Risk Stratification of Breast Microcalcifications in Mammography. Canadian Association of Radiologists Journal, 2013, 64, 333-338.  | 2.0 | 2         |

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|----|---|-----|-----------|
| 55 | Toward Speed-of-Sound Anisotropy Quantification in Muscle With Pulse-Echo Ultrasound. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 2499-2511.                     | 3.0 | 2         |
| 56 | Pericardial effusion and non-constrictive diastolic dysfunction in acromegaly. European Journal of Radiology Extra, 2006, 58, 81-84.  | 0.1 | 1         |
| 57 | Easy Pulsatile Phantom for Teaching and Validation of Flow Measurements in Ultrasound. Ultrasound International Open, 2016, 02, E93-E97.  | 0.6 | 1         |
| 58 | Quantification of nonlinear elastic constants using polynomials in quasi-incompressible soft solids. , 2017, , .  |     | 1         |
| 59 | Ultrasound Imaging of Injections in Masseter Muscle without Contrast Agent Using Strain Elastography and a Novel B-Mode Spatiotemporal Filter. Ultrasound in Medicine and Biology, 2020, 46, 2717-2735. | 1.5 | 1         |
| 60 | Quantification of nonlinear elastic constants using polynomials in quasi-incompressible soft solids. , 2017, , .  |     | 0         |
| 61 | Wall stress determines systolic and diastolic function “ Causes of pulmonary congestion. , 2015, , .  |     | 0         |