

# 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	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
2	Quantification of immobilization-induced changes in human calf muscle using speed-of-sound ultrasound. Medicine (United States), 2021, 100, e23576.	1.0	6
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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. Ultrasound in Medicine and Biology, 2019, 45, 2591-2611.	1.5	22
11	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
12	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
13	Breast Cancer Assessment With Pulse-Echo Speed of Sound Ultrasound From Intrinsic Tissue Reflections. Investigative Radiology, 2019, 54, 419-427.	6.2	28
14	Speed of sound ultrasound: a pilot study on a novel technique to identify sarcopenia in seniors. European Radiology, 2019, 29, 3-12.	4.5	33
15	Speed-of-Sound Imaging Based on Reflector Delineation. IEEE Transactions on Biomedical Engineering, 2019, 66, 1949-1962.	4.2	18
16	Location-specific mechanical response and morphology of facial soft tissues. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 78, 108-115.	3.1	22
17	Breast-density assessment with hand-held ultrasound: A novel biomarker to assess breast cancer risk and to tailor screening?. European Radiology, 2018, 28, 3165-3175.	4.5	24
18	Spatial domain reconstruction for imaging speed-of-sound with pulse-echo ultrasound: simulation and <i>in vivo</i> study. Physics in Medicine and Biology, 2018, 63, 215015.	3.0	66

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19	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
20	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
21	Ultrasound Needle Visibility in Contrast Mode Imaging: An In Vitro and Ex Vivo Study. <i>Ultrasound International Open</i> , 2017, 03, E82-E88.	0.6	3
22	Quantification of nonlinear elastic constants using polynomials in quasi-incompressible soft solids. , 2017, , .		1
23	Quantification of nonlinear elastic constants using polynomials in quasi-incompressible soft solids. , 2017, , .		0
24	Easy Pulsatile Phantom for Teaching and Validation of Flow Measurements in Ultrasound. <i>Ultrasound International Open</i> , 2016, 02, E93-E97.	0.6	1
25	Wall stress determines systolic and diastolic function – Characteristics of heart failure. <i>International Journal of Cardiology</i> , 2016, 202, 685-693.	1.7	35
26	Which factors influence MRI-pathology concordance of tumour size measurements in breast cancer?. <i>European Radiology</i> , 2016, 26, 1457-1465.	4.5	35
27	Microcalcification-Associated Breast Cancer: Presentation, Successful First Excision, Long-Term Recurrence and Survival Rate. <i>Breast Care</i> , 2015, 10, 380-385.	1.4	9
28	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
29	Wall stress determines systolic and diastolic function – Causes of pulmonary congestion. , 2015, , .		0
30	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
31	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
32	Increased ventricular wall stress and late gadolinium enhancement in Takotsubo cardiomyopathy. <i>International Journal of Cardiology</i> , 2014, 172, e184-e186.	1.7	11
33	Validity of palpation techniques for the identification of the spinous process L5. <i>Manual Therapy</i> , 2013, 18, 333-338.	1.6	33
34	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
35	Occurrence and Positive Predictive Value of Additional Nonmass Findings for Risk Stratification of Breast Microcalcifications in Mammography. <i>Canadian Association of Radiologists Journal</i> , 2013, 64, 333-338.	2.0	2
36	Identifying Radiological Needs of Referring Clinicians. <i>Journal of Digital Imaging</i> , 2013, 26, 393-401.	2.9	8

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37	Asymptomatic Blandâ€“Whiteâ€“Garland syndrome for 5Âˆdecades. Herz, 2013, 38, 65-66.	1.1	3
38	MR, CT, and PET imaging in pericardial disease. Heart Failure Reviews, 2013, 18, 289-306.	3.9	74
39	Cell-free collagen type I matrix for repair of cartilage defectsâ€“clinical and magnetic resonance imaging results. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 1915-1922.	4.2	76
40	Increased enddiastolic wall stress precedes left ventricular hypertrophy in dilative heart failureâ€“Use of the volume-based wall stress index. International Journal of Cardiology, 2012, 157, 233-238.	1.7	54
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	Occurrence of late gadolinium enhancement is associated with increased left ventricular wall stress and mass in patients with nonâ€“ischaemic dilated cardiomyopathy. European Journal of Heart Failure, 2011, 13, 937-944.	7.1	46
43	Enhancing Same-Day Access to Magnetic Resonance Imaging. Journal of the American College of Radiology, 2011, 8, 649-656.	1.8	21
44	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
45	Association of hyperhomocysteinemia with left ventricular dilatation and mass in human heart. Clinical Chemistry and Laboratory Medicine, 2010, 48, 555-60.	2.3	20
46	A new method to assess ventricular wall stress in patients with heart failure and its relation to heart rate variability. International Journal of Cardiology, 2010, 139, 301-303.	1.7	25
47	Depression of Heart Rate Variability in Patients with Increased Ventricular Wall Stress. PACE - Pacing and Clinical Electrophysiology, 2009, 32, S26-31.	1.2	11
48	Accuracy of MRI volume measurements of breast lesions: comparison between automated, semiautomated and manual assessment. European Radiology, 2009, 19, 1097-1107.	4.5	12
49	B-type natriuretic peptide and wall stress in dilated human heart. Molecular and Cellular Biochemistry, 2008, 314, 179-191.	3.1	51
50	Relation of B-type natriuretic peptide to left ventricular wall stress as assessed by cardiac magnetic resonance imaging in patients with dilated cardiomyopathy. Canadian Journal of Physiology and Pharmacology, 2007, 85, 790-799.	1.4	39
51	Pericardial effusion and non-constrictive diastolic dysfunction in acromegaly. European Journal of Radiology Extra, 2006, 58, 81-84.	0.1	1
52	Right Ventricular Cardiac Myxoma. Herz, 2005, 30, 663-667.	1.1	20
53	MR imaging of compartment syndrome of the lower leg: a case control study. European Radiology, 2004, 14, 1432-9.	4.5	52
54	Galactography and exfoliative cytology in women with abnormal nipple discharge. Obstetrics and Gynecology, 2001, 97, 625-629.	2.4	37

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55	Galactography and Exfoliative Cytology in Women With Abnormal Nipple Discharge. <i>Obstetrics and Gynecology</i> , 2001, 97, 625-629.	2.4	25
56	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
57	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
58	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
59	MR imaging of the hands in early rheumatoid arthritis: preliminary results.. <i>Radiographics</i> , 1993, 13, 37-46.	3.3	54
60	MR imaging of anatomy and tears of wrist ligaments.. <i>Radiographics</i> , 1993, 13, 1233-1246.	3.3	101
61	Gadolinium-enhanced MR imaging of renal masses.. <i>Radiographics</i> , 1992, 12, 1097-1116.	3.3	37