Michael Bachmann Nielsen

List of Publications by Year
in descending order

247	7,258	76326	76900
papers	citations	40 h-index	74 g-index

254	254	254	6667
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The EFSUMB Guidelines and Recommendations on the Clinical Practice of Contrast Enhanced Ultrasound (CEUS): Update 2011 on non-hepatic applications. Ultraschall in Der Medizin, 2012, 33, 33-59.	1.5	922
2	Preventive Effect of Eccentric Training on Acute Hamstring Injuries in Menâ€™s Soccer. American Journal of Sports Medicine, 2011, 39, 2296-2303.	4.2	463
3	Effectiveness of active physical training as treatment for long-standing adductor-related groin pain in athletes: randomised trial. Lancet, The, 1999, 353, 439-443.	13.7	429
4	How to perform Contrast-Enhanced Ultrasound (CEUS). Ultrasound International Open, 2018, 04, E2-E15.	0.6	222
5	High frame-rate blood vector velocity imaging using plane waves: Simulations and preliminary experiments. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1729-1743.	3.0	221
6	How to diagnose acute appendicitis: ultrasound first. Insights Into Imaging, 2016, 7, 255-263.	3.4	128
7	Risk of sphincter damage and anal incontinence after anal dilatation for fissure-in-ano. Diseases of the Colon and Rectum, 1993, 36, 677-680.	1.3	115
8	Prognostic Implications of Nonobstructive Coronary Plaques in Patients With Nonâ€“ST-Segment Elevation Myocardial Infarction. Journal of the American College of Cardiology, 2011, 58, 502-509.	2.8	106
9	Prevention of Overuse Injuries by a Concurrent Exercise Program in Subjects Exposed to an Increase in Training Load. American Journal of Sports Medicine, 2008, 36, 663-670.	4.2	102
10	Real-Time Image Fusion Involving Diagnostic Ultrasound. American Journal of Roentgenology, 2013, 200, W249-W255.	2.2	102
11	Ultrasonic colour Doppler imaging. Interface Focus, 2011, 1, 490-502.	3.0	98
12	The efficacy of using computer-aided detection (CAD) for detection of breast cancer in mammography screening: a systematic review. Acta Radiologica, 2019, 60, 13-18.	1.1	81
13	Eccentric and Isometric Hip Adduction Strength in Male Soccer Players With and Without Adductor-Related Groin Pain. Orthopaedic Journal of Sports Medicine, 2014, 2, 232596711452177.	1.7	78
14	Radiological findings in symphyseal and adductor-related groin pain in athletes: a critical review of the literature. British Journal of Sports Medicine, 2013, 47, 611-619.	6.7	71
15	Examples of In Vivo Blood Vector Velocity Estimation. Ultrasound in Medicine and Biology, 2007, 33, 541-548.	1.5	69
16	EFSUMB Guidelines on Interventional Ultrasound (INVUS), Part I. Ultraschall in Der Medizin, 2015, 36, 464-472.	1.5	69
17	Evaluation of healthy muscle tissue by strain and shear wave elastography â€“ Dependency on depth and ROI position in relation to underlying bone. Ultrasonics, 2016, 71, 127-133.	3.9	69
18	Automatic Pulmonary Nodule Detection Applying Deep Learning or Machine Learning Algorithms to the LIDC-IDRI Database: A Systematic Review. Diagnostics, 2019, 9, 29.	2.6	69

#	Article	IF	Citations
19	Acute hamstring injuries in Danish elite football: A 12â€month prospective registration study among 374 players. Scandinavian Journal of Medicine and Science in Sports, 2010, 20, 588-592.	2.9	68
20	Hand-Held Ultrasound Devices Compared with High-End Ultrasound Systems: A Systematic Review. Diagnostics, 2019, 9, 61.	2.6	67
21	Comparison of Real-Time InÂVivo Spectral and Vector Velocity Estimation. Ultrasound in Medicine and Biology, 2012, 38, 145-151.	1.5	63
22	The Diagnostic and Prognostic Value of Ultrasonography in Soccer Players With Acute Hamstring Injuries. American Journal of Sports Medicine, 2014, 42, 399-404.	4.2	62
23	Preoperative Embolization in Surgical Treatment of Spinal Metastases: Single-Blind, Randomized Controlled Clinical Trial of Efficacy in Decreasing Intraoperative Blood Loss. Journal of Vascular and Interventional Radiology, 2015, 26, 402-412.e1.	0.5	57
24	Associations Between Abnormal Ultrasound Color Doppler Measures and Tendon Pain Symptoms in Badminton Players During a Season. American Journal of Sports Medicine, 2012, 40, 548-555.	4.2	55
25	EFSUMB Statement on Medical Student Education in Ultrasound [long version]. Ultrasound International Open, 2016, 02, E2-E7.	0.6	55
26	In-vivo Examples of Flow Patterns With The Fast Vector Velocity Ultrasound Method. Ultraschall in Der Medizin, 2009, 30, 471-477.	1.5	54
27	MRI findings in soccer players with long-standing adductor-related groin pain and asymptomatic controls. British Journal of Sports Medicine, 2015, 49, 681-691.	6.7	54
28	A Comparative Study of Strain and Shear-Wave Elastography in an Elasticity Phantom. American Journal of Roentgenology, 2015, 204, W236-W242.	2.2	53
29	Endosonographic assessment of the anal sphincter after surgical reconstruction. Diseases of the Colon and Rectum, 1994, 37, 434-438.	1.3	52
30	Characterization by Biopsy or CEUS of Liver Lesions Guided by Image Fusion between Ultrasonography andÂCT, PET/CT or MRI. Ultraschall in Der Medizin, 2011, 32, 191-197.	1.5	51
31	The Use of Handheld Ultrasound Devices â€“ An EFSUMB Position Paper. Ultraschall in Der Medizin, 2019, 40, 30-39.	1.5	51
32	Strain Elastography Ultrasound: An Overview with Emphasis on Breast Cancer Diagnosis. Diagnostics, 2013, 3, 117-125.	2.6	50
33	Major femoral vascular access complications after coronary diagnostic and interventional procedures: A Danish register study. International Journal of Cardiology, 2016, 202, 604-608.	1.7	50
34	The EFSUMB Guidelines on the Non-Hepatic Clinical Applications of Contrast Enhanced Ultrasound (CEUS): a New Dawn for the Escalating Use of This Ubiquitous Technique. Ultraschall in Der Medizin, 2012, 33, 5-7.	1.5	46
35	Correlation between coronary computed tomographic angiography and fractional flow reserve. International Journal of Cardiology, 2010, 144, 200-205.	1.7	45
36	Novel Flow Quantification of the Carotid Bulb and the Common Carotid Artery with Vector Flow Ultrasound. Ultrasound in Medicine and Biology, 2014, 40, 2700-2706.	1.5	44

#	Article	IF	Citations
37	Ultrasonography of the Kidney: A Pictorial Review. Diagnostics, 2016, 6, 2.	2.6	44
38	The Performance of Deep Learning Algorithms on Automatic Pulmonary Nodule Detection and Classification Tested on Different Datasets That Are Not Derived from LIDC-IDRI: A Systematic Review. Diagnostics, 2019, 9, 207.	2.6	44
39	In vivo comparison of three ultrasound vector velocity techniques to MR phase contrast angiography. Ultrasonics, 2009, 49, 659-667.	3.9	43
40	In vivo validation of a blood vector velocity estimator with MR angiography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 91-100.	3.0	43
41	Ultrasound Elastography in Breast Cancer Diagnosis. Ultraschall in Der Medizin, 2015, 36, 550-565.	1.5	43
42	EFSUMB Guidelines on Interventional Ultrasound (INVUS), Part I. Ultraschall in Der Medizin, 2015, 36, E3-E16.	1.5	41
43	Three-Dimensional Anal Endosonography May Improve Staging of Anal Cancer Compared With Two-Dimensional Endosonography. Diseases of the Colon and Rectum, 2004, 47, 341-345.	1.3	40
44	Volume Flow in Arteriovenous Fistulas Using Vector Velocity Ultrasound. Ultrasound in Medicine and Biology, 2014, 40, 2707-2714.	1.5	40
45	Computed Tomography (CT) Perfusion as an Early Predictive Marker for Treatment Response to Neoadjuvant Chemotherapy in Gastroesophageal Junction Cancer and Gastric Cancer - A Prospective Study. PLoS ONE, 2014, 9, e97605.	2.5	38
46	EFSUMB statement on medical student education inÂultrasound [short version]. Ultraschall in Der Medizin, 2016, 37, 100-102.	1.5	38
47	Aortic Valve Stenosis Increases Helical Flow and Flow Complexity: A Study of Intra-Operative Cardiac Vector Flow Imaging. Ultrasound in Medicine and Biology, 2017, 43, 1607-1617.	1.5	38
48	Positron Emission Tomography/Computed Tomography in the Staging and Treatment of Anal Cancer. International Journal of Radiation Oncology Biology Physics, 2012, 83, 134-141.	0.8	37
49	Frequency and Effect of Access-Related Vascular Injury and Subsequent Vascular Intervention After Transcatheter Aortic Valve Replacement. American Journal of Cardiology, 2016, 118, 1244-1250.	1.6	36
50	Ultrasound Elastography Is Useful for Evaluation of Liver Fibrosis in Childrenâ€"A Systematic Review. Journal of Pediatric Gastroenterology and Nutrition, 2016, 63, 389-399.	1.8	35
51	Ultrasonic 3-D Vector Flow Method for Quantitative In Vivo Peak Velocity and Flow Rate Estimation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 544-554.	3.0	35
52	Update on the role of ultrasound guided radiofrequency ablation for thyroid nodule treatment. International Journal of Surgery, 2017, 41, S82-S93.	2.7	35
53	Imaging patients with renal colicâ€"consider ultrasound first. Insights Into Imaging, 2015, 6, 441-447.	3.4	34
54	Mammographic density and structural features can individually and jointly contribute to breast cancer risk assessment in mammography screening: a caseâ€“control study. BMC Cancer, 2016, 16, 414.	2.6	34

#	Article	IF	Citations
55	Fast Plane Wave 2-D Vector Flow Imaging Using Transverse Oscillation and Directional Beamforming. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 1050-1062.	3.0	33
56	Impact of adding breast density to breast cancer risk models: A systematic review. European Journal of Radiology, 2020, 127, 109019.	2.6	33
57	Defecographic findings in patients with anal incontinence and constipation and their relation to rectal emptying. Diseases of the Colon and Rectum, 1993, 36, 806-809.	1.3	32
58	Usefulness of contrast-enhanced transabdominal ultrasound for tumor classification and tumor staging in the pancreatic head. Scandinavian Journal of Gastroenterology, 2010, 45, 917-924.	1.5	32
59	Accurate Angle Estimator for High-Frame-Rate 2-D Vector Flow Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 842-853.	3.0	32
60	Intra-Operative Vector Flow Imaging Using Ultrasound of the Ascending Aorta among 40 Patients with Normal, Stenotic and Replaced Aortic Valves. Ultrasound in Medicine and Biology, 2016, 42, 2414-2422.	1.5	32
61	Simulator training improves ultrasound scanning performance on patients: a randomized controlled trial. European Radiology, 2019, 29, 3210-3218.	4.5	32
62	Intraoperative Cardiac Ultrasound Examination Using Vector Flow Imaging. Ultrasonic Imaging, 2013, 35, 318-332.	2.6	31
63	Common Carotid Artery Flow Measured by 3-D Ultrasonic Vector Flow Imaging and Validated with Magnetic Resonance Imaging. Ultrasound in Medicine and Biology, 2017, 43, 2213-2220.	1.5	31
64	Virtual-reality Simulation-based Training in Ultrasound. Ultraschall in Der Medizin, 2014, 35, 95-97.	1.5	30
65	Tibial periosteal reactions in soldiers: A scintigraphic study of 29 cases of lower leg pain. Acta Orthopaedica, 1991, 62, 531-534.	1.4	29
66	New Technology â€“ Demonstration of a Vector Velocity Technique. Ultraschall in Der Medizin, 2011, 32, 213-215.	1.5	29
67	First report on intraoperative vector flow imaging of the heart among patients with healthy and diseased aortic valves. Ultrasonics, 2015, 56, 243-250.	3.9	29
68	Clinical report: contrast enhancement of tumor perfusion as a guidance for biopsy. European Journal of Ultrasound: Official Journal of the European Federation of Societies for Ultrasound in Medicine and Biology, 2000, 12, 159-161.	1.3	28
69	Inter-observer agreement according to three methods of evaluating mammographic density and parenchymal pattern in a case control study: impact on relative risk of breast cancer. BMC Cancer, 2015, 15, 274.	2.6	27
70	Acute patellofemoral pain: aggravating activities, clinical examination, MRI and ultrasound findings. British Journal of Sports Medicine, 2007, 42, 64-67.	6.7	26
71	InÂVivo Evaluation of Synthetic Aperture Sequential Beamforming. Ultrasound in Medicine and Biology, 2012, 38, 708-716.	1.5	26
72	Staging of Cervical Lymph Nodes in Oral Squamous Cell Carcinoma: Adding Ultrasound in Clinically Lymph Node Negative Patients May Improve Diagnostic Work-Up. PLoS ONE, 2014, 9, e90360.	2.5	26

#	Article	IF	Citations
73	Three-Dimensional Anal Endosonography May Improve Detection of Recurrent Anal Cancer. Diseases of the Colon and Rectum, 2006, 49, 1527-1532.	1.3	25
74	Coded ultrasound for blood flow estimation using subband processing. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 2211-2220.	3.0	25
75	Analysis of Systolic Backflow and Secondary Helical Blood Flow in the Ascending Aorta Using Vector Flow Imaging. Ultrasound in Medicine and Biology, 2016, 42, 899-908.	1.5	25
76	Determining procedures for simulation-based training in radiology: a nationwide needs assessment. European Radiology, 2018, 28, 2319-2327.	4.5	25
77	A Comparison Study of Vector Velocity, Spectral Doppler and Magnetic Resonance of Blood Flow in the Common Carotid Artery. Ultrasound in Medicine and Biology, 2018, 44, 1751-1761.	1.5	25
78	Ultrasound Curricula of Student Education in Europe: Summary of the Experience. Ultrasound International Open, 2020, 06, E25-E33.	0.6	25
79	Accuracy of Visual Scoring and Semi-Quantification of Ultrasound Strain Elastography â€“ A Phantom Study. PLoS ONE, 2014, 9, e88699.	2.5	24
80	The Copenhagen Standardised MRI protocol to assess the pubic symphysis and adductor regions of athletes: outline and intratester and intertester reliability. British Journal of Sports Medicine, 2015, 49, 692-699.	6.7	24
81	Simulation-Based Abdominal Ultrasound Training â€“ A Systematic Review. Ultraschall in Der Medizin, 2016, 37, 253-261.	1.5	24
82	Impact Factors and Prediction of Popular Topics in a Journal. Ultraschall in Der Medizin, 2016, 37, 343-345.	1.5	24
83	In Vivo Motion Correction in Super-Resolution Imaging of Rat Kidneys. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 3082-3093.	3.0	24
84	Vector velocity estimation of blood flow â€“ A new application in medical ultrasound. Ultrasound, 2017, 25, 189-199.	0.7	23
85	Noninvasive Estimation of Pressure Changes Using 2-D Vector Velocity Ultrasound: An Experimental Study With <italic>In Vivo</italic> Examples. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 709-719.	3.0	23
86	Contrast-Enhanced Ultrasound in Renal Transplants: Applications and Future Directions. Ultraschall in Der Medizin, 2013, 34, 319-321.	1.5	22
87	Does bony hip morphology affect the outcome of treatment for patients with adductor-related groin pain? Outcome 10â€…years after baseline assessment. British Journal of Sports Medicine, 2014, 48, 1240-1244.	6.7	22
88	Vector Flow Imaging Compared with Digital Subtraction Angiography for Stenosis Assessment in the Superficial Femoral Artery â€“ A Study of Vector Concentration, Velocity Ratio and Stenosis Degree Percentage. Ultrasound International Open, 2019, 05, E53-E59.	0.6	22
89	Anatomic and Functional Imaging Using Rowâ€“Column Arrays. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 2722-2738.	3.0	21
90	Rectal endosonography in the evaluation of stenotic rectal tumors. Diseases of the Colon and Rectum, 1993, 36, 275-279.	1.3	20

#	Article	IF	Citations
91	Biopsy Guided by Real-Time Sonography Fused with MRI: A Phantom Study. American Journal of Roentgenology, 2008, 190, 1671-1674.	2.2	20
92	Nodal yield in selective neck dissection. Acta Oto-Laryngologica, 2013, 133, 965-971.	0.9	20
93	Convex array vector velocity imaging using transverse oscillation and its optimization. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 2043-2053.	3.0	20
94	Strain Elastography for Prediction of Malignancy in Soft Tissue Tumours â€“ Preliminary Results. Ultraschall in Der Medizin, 2015, 36, 369-374.	1.5	20
95	Vector velocity volume flow estimation: Sources of error and corrections applied for arteriovenous fistulas. Ultrasonics, 2016, 70, 136-146.	3.9	20
96	Vector Flow Imaging Compared with Conventional Doppler Ultrasound and Thermodilution for Estimation of Blood Flow in the Ascending Aorta. Ultrasonic Imaging, 2017, 39, 3-18.	2.6	20
97	Machine learning and deep learning applied in ultrasound. Ultraschall in Der Medizin, 2018, 39, 379-381.	1.5	20
98	Sonographically Guided Transrectal or Transvaginal One-Step Catheter Placement in Deep Pelvic and Perirectal Abscesses. American Journal of Roentgenology, 2004, 183, 1035-1036.	2.2	19
99	Contrast enhanced ultrasound in liver imaging. European Journal of Radiology, 2004, 51, S3-S8.	2.6	19
100	Surveillance for Hemodialysis Access Stenosis: Usefulness of Ultrasound Vector Volume Flow. Journal of Vascular Access, 2016, 17, 483-488.	0.9	19
101	Development of a reliable simulation-based test for diagnostic abdominal ultrasound with a pass/fail standard usable for mastery learning. European Radiology, 2018, 28, 51-57.	4.5	19
102	Electromyography of the internal anal sphincter performed under endosonographic guidance description of a new method. Diseases of the Colon and Rectum, 1994, 37, 138-143.	1.3	18
103	Super-Resolution Imaging with Ultrasound for Visualization of the Renal Microvasculature in Rats Before and After Renal Ischemia: A Pilot Study. Diagnostics, 2020, 10, 862.	2.6	18
104	The Added Effect of Artificial Intelligence on Physiciansâ€™ Performance in Detecting Thoracic Pathologies on CT and Chest X-ray: A Systematic Review. Diagnostics, 2021, 11, 2206.	2.6	18
105	Ultrasound super-resolution imaging with a hierarchical Kalman tracker. Ultrasonics, 2022, 122, 106695.	3.9	18
106	Sentinel node detection in melanomas using contrast-enhanced ultrasound. Acta Radiologica, 2009, 50, 412-417.	1.1	17
107	Ultrasound image quality assessment: a framework for evaluation of clinical image quality. Proceedings of SPIE, 2010, , .	0.8	17
108	Recent advances in blood flow vector velocity imaging. , 2011, , .		17

#	Article	IF	Citations
109	The hydrostatic pressure indifference point underestimates orthostatic redistribution of blood in humans. Journal of Applied Physiology, 2014, 116, 730-735.	2.5	17
110	A Vector Flow Imaging Method for Portable Ultrasound Using Synthetic Aperture Sequential Beamforming. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 1655-1665.	3.0	17
111	Quantitative assessment of left ventricular systolic wall thickening using multidetector computed tomography. European Journal of Radiology, 2009, 72, 92-97.	2.6	16
112	In-vivo validation of fast spectral velocity estimation techniques. Ultrasonics, 2010, 50, 52-59.	3.9	16
113	Clinical recovery of two hip adductor longus ruptures: a case-report of a soccer player. BMC Research Notes, 2013, 6, 205.	1.4	16
114	Ultrasound Vascular Elastography as a Tool for Assessing Atherosclerotic Plaques â€“ A Systematic Literature Review. Ultrasound International Open, 2016, 02, E106-E112.	0.6	16
115	Four Virtual-Reality Simulators for Diagnostic Abdominal Ultrasound Training in Radiology. Diagnostics, 2019, 9, 50.	2.6	16
116	Postembolization Syndrome after Prostatic Artery Embolization: A Systematic Review. Diagnostics, 2020, 10, 659.	2.6	16
117	Contrast enhanced ultrasound of sentinel lymph nodes. , 2013, 13, 73-81.		16
118	Perioperative blood transfusion does not decrease survival after surgical treatment of spinal metastases. European Spine Journal, 2014, 23, 1791-1796.	2.2	15
119	Use of Contrast-Enhanced Ultrasound Imaging to Detect the First Draining Lymph Node (FDLN) in a Swine Model. Journal of Ultrasound in Medicine, 2008, 27, 1203-1209.	1.7	14
120	Radiological imaging of the neck for initial decision-making in oral squamous cell carcinomasâ€”A questionnaire survey in the Nordic countries. Acta OncolÃ³gica, 2012, 51, 355-361.	1.8	14
121	Vector Flow Imaging Compared with Pulse Wave Doppler for Estimation of Peak Velocity in the Portal Vein. Ultrasound in Medicine and Biology, 2018, 44, 593-601.	1.5	14
122	Simulation-Based Training of Ultrasound-Guided Procedures in Radiology â€“ A Systematic Review. Ultraschall in Der Medizin, 2019, 40, 584-602.	1.5	14
123	Pediatric Transthoracic Cardiac Vector Flow Imaging â€“ A Preliminary Pictorial Study. Ultrasound International Open, 2019, 05, E20-E26.	0.6	14
124	Primary graft dysfunction; possible evaluation by high resolution computed tomography, and suggestions for a scoring systemâ˜†. Interactive Cardiovascular and Thoracic Surgery, 2009, 9, 859-867.	1.1	13
125	The diagnostic value of adding dynamic scintigraphy to standard delayed planar imaging for sentinel node identification in melanoma patients. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 1999-2004.	6.4	13
126	Radiological patterns of primary graft dysfunction after lung transplantation evaluated by 64-multi-slice computed tomography: a descriptive study. Interactive Cardiovascular and Thoracic Surgery, 2012, 14, 785-791.	1.1	13

#	Article	IF	Citations
127	Standardised assessment of competence in Focused Assessment with Sonography for Trauma. Acta Anaesthesiologica Scandinavica, 2018, 62, 1154-1160.	1.6	13
128	Accuracy and Precision of a Plane Wave Vector Flow Imaging Method in the Healthy Carotid Artery. Ultrasound in Medicine and Biology, 2018, 44, 1727-1741.	1.5	13
129	Super-Resolution Ultrasound Imaging of Rat Kidneys before and after Ischemia-Reperfusion. , 2019, , .		13
130	Highlights of the development in ultrasound during the last 70 years: A historical review. Acta Radiologica, 2021, 62, 1499-1514.	1.1	13
131	Hypercoagulability in relation to coronary artery bypass graft patency and clinical outcome. Scandinavian Cardiovascular Journal, 2013, 47, 104-108.	1.2	12
132	Ultrasound in Pre-Graduate Medical Education. Ultraschall in Der Medizin, 2015, 36, 213-215.	1.5	12
133	Gastrointestinal Applications of Iodine Quantification Using Dual-Energy CT: A Systematic Review. Diagnostics, 2020, 10, 814.	2.6	12
134	Interobserver and Intraobserver Variation of Two-Dimensional and Three-Dimensional Anal Endosonography in the Evaluation of Recurrent Anal Cancer. Diseases of the Colon and Rectum, 2009, 52, 484-488.	1.3	11
135	Computed Tomography (CT) Perfusion in Abdominal Cancer: Technical Aspects. Diagnostics, 2013, 3, 261-270.	2.6	11
136	Clinical Evaluation of Synthetic Aperture Sequential Beamforming Ultrasound in Patients with Liver Tumors. Ultrasound in Medicine and Biology, 2014, 40, 2805-2810.	1.5	11
137	Consensus on technical procedures in radiology to include in simulation-based training for residents: a European-wide needs assessment. European Radiology, 2021, 31, 171-180.	4.5	11
138	Visualizing Glioma Infiltration by the Combination of Multimodality Imaging and Artificial Intelligence, a Systematic Review of the Literature. Diagnostics, 2021, 11, 592.	2.6	11
139	Evaluation of 2D super-resolution ultrasound imaging of the rat renal vasculature using ex vivo micro-computed tomography. Scientific Reports, 2021, 11, 24335.	3.3	11
140	Dynamic Contrast-Enhanced Ultrasound of Colorectal Liver Metastases as an Imaging Modality for Early Response Prediction to Chemotherapy. Diagnostics, 2017, 7, 35.	2.6	10
141	Comparison of Two Co-Registration Methods for Real-Time Ultrasonography Fused with MRI: a Phantom Study. Ultraschall in Der Medizin, 2010, 31, 296-301.	1.5	9
142	Improving Accuracy for Image Fusion in Abdominal Ultrasonography. Diagnostics, 2012, 2, 34-41.	2.6	9
143	Risk stratification of women with false-positive test results in mammography screening based on mammographic morphology and density: A case control study. Cancer Epidemiology, 2017, 49, 53-60.	1.9	9
144	Elastography in Breast Imaging. Ultraschall in Der Medizin, 2019, 40, 688-691.	1.5	9

#	Article	IF	Citations
145	Non-Invasive Assessment of Intravascular Pressure Gradients: A Review of Current and Proposed Novel Methods. Diagnostics, 2019, 9, 5.	2.6	9
146	Evaluation of competence in ultrasound-guided proceduresâ€"a generic assessment tool developed through the Delphi method. European Radiology, 2021, 31, 4203-4211.	4.5	9
147	Surgically Induced Contrast Enhancements on Intraoperative and Early Postoperative MRI Following High-Grade Glioma Surgery: A Systematic Review. Diagnostics, 2021, 11, 1344.	2.6	9
148	Current Status of Trans-Arterial Embolization in Pain Management of Musculoskeletal Inflammatory Conditions â€" An Evidence-Based Review. CardioVascular and Interventional Radiology, 2021, 44, 1699-1708.	2.0	9
149	Strain histograms are equal to strain ratios in predicting malignancy in breast tumours. PLoS ONE, 2017, 12, e0186230.	2.5	9
150	Comparison of precontract, postcontrast, and delayed CT scanning for the staging of rectal carcinoma. Gastrointestinal Radiology, 1992, 17, 267-270.	0.4	8
151	Evaluation of Contrast-Enhanced Ultrasound of the Pancreas Combined with Concurrent Hormone Stimulation. Ultraschall in Der Medizin, 2008, 29, 520-524.	1.5	8
152	Freehand Biopsy Guided by Electromagnetic Needle Tracking: A Phantom Study. Ultraschall in Der Medizin, 2011, 32, 614-618.	1.5	8
153	Scintigraphy at 3 months after single lung transplantation and observations of primary graft dysfunction and lung function. Interactive Cardiovascular and Thoracic Surgery, 2012, 14, 792-796.	1.1	8
154	Tissue Motion Estimation and Correction in Super Resolution Imaging. , 2019, , .		8
155	Can Strain Elastography Predict Malignancy of Soft Tissue Tumors in a Tertiary Sarcoma Center?. Diagnostics, 2020, 10, 148.	2.6	8
156	Causes and Risk Factors of Pediatric Spontaneous Intracranial Hemorrhageâ€"A Systematic Review. Diagnostics, 2022, 12, 1459.	2.6	8
157	Focused bedside ultrasonography by clinicians: Experiences with a basic introductory course. Scandinavian Journal of Gastroenterology, 2008, 43, 229-233.	1.5	7
158	Implementation of tissue harmonic synthetic aperture imaging on a commercial ultrasound system. , 2012, , .		7
159	In vivo 3-D vector velocity estimation with continuous data. , 2015, , .		7
160	Dynamic Contrast-Enhanced CT in Patients with Pancreatic Cancer. Diagnostics, 2016, 6, 34.	2.6	7
161	Common Carotid Artery Volume Flow: A Comparison Study between Ultrasound Vector Flow Imaging and Phase Contrast Magnetic Resonance Imaging. Neurology International, 2021, 13, 269-278.	2.8	7
162	Can Dipstick Screening for Hematuria Identify Individuals with Structural Renal Abnormalities? A Sonographic Evaluation. Scandinavian Journal of Urology and Nephrology, 1996, 30, 25-27.	1.4	6

#	Article	IF	Citations
163	Assessing Tumor Response to Treatment in Patients with Lung Cancer Using Dynamic Contrast-Enhanced CT. Diagnostics, 2016, 6, 28.	2.6	6
164	A Methodology for Anatomic Ultrasound Image Diagnostic Quality Assessment. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 206-217.	3.0	6
165	Vector and Doppler Ultrasound Velocities Evaluated in a Flow Phantom and the Femoropopliteal Vein. Ultrasound in Medicine and Biology, 2017, 43, 2477-2487.	1.5	6
166	Carotid Stenosis Assessment with Vector Concentration before and after Stenting. Diagnostics, 2020, 10, 420.	2.6	6
167	Super-Resolution Ultrasound Imaging Can Quantify Alterations in Microbubble Velocities in the Renal Vasculature of Rats. Diagnostics, 2022, 12, 1111.	2.6	6
168	Long-term internal thoracic artery bypass graft patency and geometry assessed by multidetector computed tomography. International Journal of Cardiovascular Imaging, 2012, 28, 1577-1583.	1.5	5
169	Preliminary study of synthetic aperture tissue harmonic imaging on in-vivo data. , 2013, , .		5
170	In-vivo convex array vector flow imaging. , 2014, , .		5
171	Accuracy and sources of error for an angle independent volume flow estimator. , 2014, , .		5
172	Multiparametric Ultrasound of Thyroid Nodules: Where Do We Stand?. Ultraschall in Der Medizin, 2017, 38, 357-359.	1.5	5
173	Evaluation of Peak Reflux Velocities with Vector Flow Imaging and Spectral Doppler Ultrasound in Varicose Veins. Ultrasound International Open, 2018, 04, E91-E98.	0.6	5
174	History and Latest Advances in Flow Estimation Technology: From 1-D in 2-D to 3-D in 4-D. , 2019, , .		5
175	Validity of negative bone biopsy in suspicious bone lesions. Acta Radiologica Open, 2021, 10, 205846012110306.	0.6	5
176	Ultrasound Contrast Agents may help in Avoiding Necrotic Areas at Biopsy. Ultraschall in Der Medizin, 2006, 27, 2-3.	1.5	5
177	Microbubble tracking with a forward-backward strategy. , 2022, , .		5
178	Super-Resolution Ultrasound Imaging Provides Quantification of the Renal Cortical and Medullary Vasculature in Obese Zucker Rats: A Pilot Study. Diagnostics, 2022, 12, 1626.	2.6	5
179	Focused Assessment with Sonography for Trauma in Patients with Confirmed Liver Lesions. Scandinavian Journal of Surgery, 2012, 101, 287-291.	2.6	4
180	New developments in vector velocity imaging using the transverse oscillation approach. Proceedings of SPIE, 2013, , .	0.8	4

#	Article	IF	Citations
181	3-D velocity estimation for two planes in vivo. , 2014, , .		4
182	Velocity estimation of the main portal vein with Transverse Oscillation. , 2015, , .		4
183	Clinical Evaluation of Synthetic Aperture Harmonic Imaging for Scanning Focal Malignant Liver Lesions. Ultrasound in Medicine and Biology, 2015, 41, 2368-2375.	1.5	4
184	Novel automatic detection of pleura and B-lines (comet-tail artifacts) on in vivo lung ultrasound scans. Proceedings of SPIE, 2016, , .	0.8	4
185	Hybrid segmentation of vessels and automated flow measures in in-vivo ultrasound imaging. , 2016, , .		4
186	Energy based clutter filtering for vector flow imaging. , 2017, , .		4
187	Real-Time 2-D Phased Array Vector Flow Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 1205-1213.	3.0	4
188	Vector Flow Imaging of the Ascending Aorta in Patients with Tricuspid and Bicuspid Aortic Valve Stenosis Treated with Biological and Mechanical Implants. Ultrasound in Medicine and Biology, 2020, 46, 64-72.	1.5	4
189	Flow Complexity Estimation in Dysfunctional Arteriovenous Dialysis Fistulas using Vector Flow Imaging. Ultrasound in Medicine and Biology, 2020, 46, 2493-2504.	1.5	4
190	Examples of Vector Velocity Imaging. IFMBE Proceedings, 2011, , 77-80.	0.3	4
191	Defaecography commode with ruler mounted on the side: reference point for measurements of perineal descent. British Journal of Radiology, 1991, 64, 160-160.	2.2	3
192	Clinical findings and endosonographic appearance of endometriosis in the anal sphincter. Journal of Clinical Ultrasound, 1993, 21, 48-51.	0.8	3
193	Contrast enhanced ultrasound. European Journal of Radiology, 2004, 51, S1.	2.6	3
194	Arterial secondary blood flow patterns visualized with vector flow ultrasound. , 2011, , .		3
195	Preliminary in-vivo evaluation of synthetic aperture sequential beamformation using a multielement convex array. , 2011, , .		3
196	Computational fluid dynamics using in vivo ultrasound blood flow measurements. , 2012, , .		3
197	In-vivo synthetic aperture and plane wave high frame rate cardiac imaging. , 2014, , .		3
198	In vivo high frame rate vector flow imaging using plane waves and directional beamforming. , 2016, , .		3

#	Article	IF	Citations
199	High frame rate synthetic aperture vector flow imaging for transthoracic echocardiography. , 2016, , .		3
200	Energy based clutter filtering for vector flow imaging. , 2017, , .		3
201	Respiratory variability of peak velocities in the common femoral vein estimated with vector flow imaging and Doppler ultrasound. Ultrasound in Medicine and Biology, 2018, 44, 1941-1950.	1.5	3
202	Four-Dimensional Flow MRI of Abdominal Veins: A Systematic Review. Diagnostics, 2021, 11, 767.	2.6	3
203	Simulation-based training in ultrasound â€“ where are we now?. Ultraschall in Der Medizin, 2021, 42, 240-244.	1.5	3
204	Automatic Classification of Arterial and Venous Flow in Super-resolution Ultrasound Images of Rat Kidneys. , 2021, , .		3
205	Ensuring competence in ultrasound-guided proceduresâ€”a validity study of a newly developed assessment tool. European Radiology, 2022, 32, 4954-4966.	4.5	3
206	Periurethral tumor involving the vagina: clinical and sonographic findings. Acta Obstetricia Et Gynecologica Scandinavica, 1996, 75, 191-192.	2.8	2
207	In vivo examples of synthetic aperture vector flow imaging. , 2007, , .		2
208	Lebersonografie im Zentrum des radiologischen und internistischen Interesses. Ultraschall in Der Medizin, 2009, 30, 227-229.	1.5	2
209	Ultrasonography Fused with PET-CT Hybrid Imaging. Current Medical Imaging, 2011, 7, 248-251.	0.8	2
210	Axillary sentinel node identification in breast cancer patients: degree of radioactivity present at biopsy is critical. Clinical Physiology and Functional Imaging, 2011, 31, 288-293.	1.2	2
211	Automated hierarchical time gain compensation forin-vivoultrasound imaging. Proceedings of SPIE, 2015, , .	0.8	2
212	Interobserver and Intraobserver Reproducibility with Volume Dynamic Contrast Enhanced Computed Tomography (DCE-CT) in Gastroesophageal Junction Cancer. Diagnostics, 2016, 6, 8.	2.6	2
213	Inter- and intra-rater agreement in the assessment of the vascularity of spinal metastases using digital subtraction angiography tumor blush. Acta Radiologica, 2017, 58, 734-739.	1.1	2
214	Endovascular aortic repair reduces gluteal oxygenation. Acta Radiologica Open, 2019, 8, 205846011985011.	0.6	2
215	Portable Vector Flow Imaging Compared With Spectral Doppler Ultrasonography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 453-462.	3.0	2
216	KontrastgestÃ¼tzte Sonographie und ultraschallgesteuerte Interventionen. Ultraschall in Der Medizin, 2006, 27, 4-7.	1.5	2

#	Article	IF	Citations
217	Pressure Difference Estimation in Non-stenotic Carotid Bifurcation Phantoms Using Vector Flow Imaging. Ultrasound in Medicine and Biology, 2022, 48, 346-357.	1.5	2
218	Impaired rectal emptying caused by perineal herniation of the rectum: defaecographic demonstration using oblique projections. British Journal of Radiology, 1993, 66, 171-172.	2.2	1
219	Coded ultrasound for blood flow estimation using subband processing. , 2007, , .		1
220	Quantification of complex blood flow using real-time in vivo vector flow ultrasound. , 2010, , .		1
221	Intra-/Interobserver Agreement of Enhancement Pattern for Pancreatic Head Lesions Using Contrast-Enhanced Ultrasound: According to EFSUMB Guidelines. Diagnostics, 2012, 2, 2-9.	2.6	1
222	Vector volume flow in arteriovenous fistulas. , 2013, , .		1
223	In vivo three-dimensional velocity vector imaging and volumetric flow rate measurements. , 2013, , .		1
224	Transverse oscillation vector flow imaging for transthoracic echocardiography. , 2015, , .		1
225	Accuracy and precision of plane wave vector flow imaging for laminar and complex flow in vivo. , 2017, , .		1
226	High-frame-rate imaging of a carotid bifurcation using a low-complexity velocity estimation approach. , 2017, , .		1
227	Atherosclerotic Lesions in the Superficial Femoral Artery (SFA) Characterized with Velocity Ratios using Vector Velocity Ultrasound. Ultrasound International Open, 2018, 04, E79-E84.	0.6	1
228	Image Fusion of Diagnostic Ultrasound with Other Modalities. Current Medical Imaging, 2009, 5, 150-155.	0.8	1
229	Preliminary comparison between real-time in-vivo spectral and transverse oscillation velocity estimates. Proceedings of SPIE, 2011, , .	0.8	0
230	In vivo color flow mapping using synthetic aperture dual stage beamforming. , 2012, , .		0
231	Clinical evaluation of synthetic aperture sequential beamforming. , 2012, , .		0
232	Shadow effects in simulated ultrasound images derived from computed tomography images using a focused beam tracing model. Journal of the Acoustical Society of America, 2012, 132, 487-497.	1.1	0
233	Intraoperative vector flow imaging of the heart. , 2013, , .		0
234	Non-invasive measurement of pressure gradients in pulsatile flow using ultrasound. , 2013, , .		0

#	Article	IF	Citations
235	Clinical evaluation of Synthetic Aperture Sequential Beamforming and Tissue Harmonic Imaging. , 2014, , .		0
236	Vector flow imaging of the ascending aorta. , 2015, , .		0
237	Advanced automated gain adjustments for in-vivo ultrasound imaging. , 2015, , .		0
238	Surveillance of hemodialysis vascular access with ultrasound vector flow imaging. , 2015, , .		0
239	Blood flow velocity in the popliteal vein using transverse oscillation ultrasound. , 2016, , .		0
240	Comment on The 100 Most-Cited Articles Focused on Ultrasound Imaging: A Bibliometric Analysis. Ultraschall in Der Medizin, 2017, 38, 310-310.	1.5	0
241	Looking back at EUROSON 2016 in Leipzig, Germany: which topics were popular?. Ultraschall in Der Medizin, 2017, 38, e48-e50.	1.5	0
242	Accuracy and precision study of plane wave vector flow imaging for laminar and complex flow in vivo. , 2017, , .		0
243	High-frame-rate imaging of a carotid bifurcation using a low-complexity velocity estimation approach. , 2017, , .		0
244	Flow Changes After Biological and Mechanical Aortic Valve Implantation Measured with VFI. , 2018, , .		0
245	Pressure Difference Estimation in Carotid Bulbs using Vector Flow Imaging - A Phantom Study. , 2019, , .		0
246	Vector Concentration used for Stenosis Assessment in the Carotid Artery before and after Carotid Stenting. , 2019, , .		0
247	Transthoracic Vector Flow Imaging in Pediatric Patients with Valvular Stenosis â€“ A Proof of Concept Study. Ultrasound International Open, 2021, 07, E48-E54.	0.6	0