

# Flemming Forsberg

## List of Publications by Year in descending order

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184  
papers

5,699  
citations

101384

36  
h-index

91712

69  
g-index

185  
all docs

185  
docs citations

185  
times ranked

4034  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines and Good Clinical Practice Recommendations for Contrast Enhanced Ultrasound (CEUS) in the Liver – Update 2012. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 187-210.	0.7	652
2	Ultrasound contrast agents: A review. <i>Ultrasound in Medicine and Biology</i> , 1994, 20, 319-333.	0.7	464
3	Pressure dependence of subharmonic signals from contrast microbubbles. <i>Ultrasound in Medicine and Biology</i> , 1999, 25, 275-283.	0.7	214
4	Ultrasonic characterization of the nonlinear properties of contrast microbubbles. <i>Ultrasound in Medicine and Biology</i> , 2000, 26, 93-104.	0.7	176
5	Sentinel Lymph Nodes in a Swine Model with Melanoma: Contrast-enhanced Lymphatic US. <i>Radiology</i> , 2004, 230, 727-734.	3.6	165
6	Power Doppler Assessment of Vascular Changes During Fracture Treatment With Low-Intensity Ultrasound. <i>Journal of Ultrasound in Medicine</i> , 2003, 22, 145-153.	0.8	150
7	Subharmonic Imaging with Microbubble Contrast Agents: Initial Results. <i>Ultrasonic Imaging</i> , 1999, 21, 79-94.	1.4	148
8	A Novel Microvascular Flow Technique. <i>Ultrasound Quarterly</i> , 2016, 32, 67-74.	0.3	134
9	Development and optimization of a doxorubicin loaded poly(lactic acid) contrast agent for ultrasound directed drug delivery. <i>Journal of Controlled Release</i> , 2010, 143, 38-44.	4.8	109
10	Destruction of contrast microbubbles and the association with inertial cavitation. <i>Ultrasound in Medicine and Biology</i> , 2000, 26, 1009-1019.	0.7	108
11	Contrast-Enhanced Sonographic Imaging of Lymphatic Channels and Sentinel Lymph Nodes. <i>Journal of Ultrasound in Medicine</i> , 2005, 24, 953-965.	0.8	98
12	Initial Experience with Contrast-Enhanced Sonography of the Prostate. <i>American Journal of Roentgenology</i> , 2000, 174, 1575-1580.	1.0	95
13	Breast Lesions: Imaging with Contrast-enhanced Subharmonic US – Initial Experience. <i>Radiology</i> , 2007, 244, 718-726.	3.6	88
14	Hepatic Tumor Detection: MR Imaging and Conventional US versus Pulse-Inversion Harmonic US of NC100100 during Its Reticuloendothelial System – Specific Phase. <i>Radiology</i> , 2002, 222, 824-829.	3.6	83
15	In vivo pressure estimation using subharmonic contrast microbubble signals: proof of concept. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2005, 52, 581-583.	1.7	81
16	Chronic Liver Disease: Noninvasive Subharmonic Aided Pressure Estimation of Hepatic Venous Pressure Gradient. <i>Radiology</i> , 2013, 268, 581-588.	3.6	81
17	Sensitization of Hypoxic Tumors to Radiation Therapy Using Ultrasound-Sensitive Oxygen Microbubbles. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 88-96.	0.4	78
18	Comparison of in vitro and in vivo acoustic response of a novel 50:50 PLGA contrast agent. <i>Ultrasonics</i> , 2006, 44, 360-367.	2.1	71

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19	Surfactant-stabilized contrast agent on the nanoscale for diagnostic ultrasound imaging. <i>Ultrasound in Medicine and Biology</i> , 2006, 32, 83-93.	0.7	70
20	Contrast Enhanced Ultrasound Flash Replenishment Method for Directed Prostate Biopsies. <i>Journal of Urology</i> , 2007, 178, 2354-2358.	0.2	68
21	Subharmonic Contrast Microbubble Signals for Noninvasive Pressure Estimation under Static and Dynamic Flow Conditions. <i>Ultrasonic Imaging</i> , 2011, 33, 153-164.	1.4	68
22	Development of an ultrasound sensitive oxygen carrier for oxygen delivery to hypoxic tissue. <i>International Journal of Pharmaceutics</i> , 2015, 478, 361-367.	2.6	66
23	A Primer on the Physical Principles of Tissue Harmonic Imaging. <i>Radiographics</i> , 2015, 35, 1955-1964.	1.4	65
24	Noninvasive LV Pressure Estimation Using Subharmonic Emissions From Microbubbles. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, 87-92.	2.3	62
25	Comparing contrast-enhanced ultrasound to immunohistochemical markers of angiogenesis in a human melanoma xenograft model: preliminary results. <i>Ultrasound in Medicine and Biology</i> , 2002, 28, 445-451.	0.7	58
26	Effect of filling gases on the backscatter from contrast microbubbles: theory and in vivo measurements. <i>Ultrasound in Medicine and Biology</i> , 1999, 25, 1203-1211.	0.7	56
27	Exosomal $\alpha 6$ integrin is required for monocyte M2 polarization in prostate cancer. <i>Matrix Biology</i> , 2018, 70, 20-35.	1.5	54
28	Modeling subharmonic response from contrast microbubbles as a function of ambient static pressure. <i>Journal of the Acoustical Society of America</i> , 2011, 129, 2325-2335.	0.5	49
29	Comparing Contrast-Enhanced Color Flow Imaging and Pathological Measures of Breast Lesion Vascularity. <i>Ultrasound in Medicine and Biology</i> , 2008, 34, 1365-1372.	0.7	46
30	Contrast-Enhanced Ultrasound Imaging of Sentinel Lymph Nodes After Peritumoral Administration of Sonazoid in a Melanoma Tumor Animal Model. <i>Journal of Ultrasound in Medicine</i> , 2011, 30, 441-453.	0.8	46
31	Simultaneous grayscale and subharmonic ultrasound imaging on a modified commercial scanner. <i>Ultrasonics</i> , 2011, 51, 890-897.	2.1	46
32	In Vivo Perfusion Estimation Using Subharmonic Contrast Microbubble Signals. <i>Journal of Ultrasound in Medicine</i> , 2006, 25, 15-21.	0.8	45
33	Effect of shell type on the in vivo backscatter from polymer-encapsulated microbubbles. <i>Ultrasound in Medicine and Biology</i> , 2004, 30, 1281-1287.	0.7	40
34	Monitoring Neoadjuvant Chemotherapy for Breast Cancer by Using Three-dimensional Subharmonic Aided Pressure Estimation and Imaging with US Contrast Agents: Preliminary Experience. <i>Radiology</i> , 2017, 285, 53-62.	3.6	39
35	Subharmonic signal generation from contrast agents in simulated neovessels. <i>Ultrasound in Medicine and Biology</i> , 2004, 30, 199-203.	0.7	38
36	Three-Dimensional Subharmonic Ultrasound Imaging In Vitro and In Vivo. <i>Academic Radiology</i> , 2012, 19, 732-739.	1.3	38

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37	Subharmonic aided pressure estimation for monitoring interstitial fluid pressure in tumours " In vitro and in vivo proof of concept. Ultrasonics, 2014, 54, 1938-1944.	2.1	38
38	Localized microbubble cavitation-based antivasular therapy for improving HCC treatment response to radiotherapy. Cancer Letters, 2017, 411, 100-105.	3.2	38
39	Diagnosing Portal Hypertension with Noninvasive Subharmonic Pressure Estimates from a US Contrast Agent. Radiology, 2021, 298, 104-111.	3.6	38
40	US-triggered Microbubble Destruction for Augmenting Hepatocellular Carcinoma Response to Transarterial Radioembolization: A Randomized Pilot Clinical Trial. Radiology, 2021, 298, 450-457.	3.6	38
41	Noninvasive estimation of dynamic pressures in vitro and in vivo using the subharmonic response from microbubbles. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 2056-2066.	1.7	36
42	On the implementation of an automated acoustic output optimization algorithm for subharmonic aided pressure estimation. Ultrasonics, 2013, 53, 880-888.	2.1	36
43	Quantitative acoustic characterization of a new surfactant-based ultrasound contrast agent. Ultrasound in Medicine and Biology, 1997, 23, 1201-1208.	0.7	35
44	Parametric Imaging Using Subharmonic Signals From Ultrasound Contrast Agents in Patients With Breast Lesions. Journal of Ultrasound in Medicine, 2011, 30, 85-92.	0.8	35
45	Diagnosing Breast Lesions With Contrast-Enhanced 3-Dimensional Power Doppler Imaging. Journal of Ultrasound in Medicine, 2004, 23, 173-182.	0.8	34
46	Investigating the Efficacy of Subharmonic Aided Pressure Estimation for Portal Vein Pressures and Portal Hypertension Monitoring. Ultrasound in Medicine and Biology, 2012, 38, 1784-1798.	0.7	34
47	On the Usefulness of the Mechanical Index Displayed on Clinical Ultrasound Scanners for Predicting Contrast Microbubble Destruction. Journal of Ultrasound in Medicine, 2005, 24, 443-450.	0.8	33
48	Contrast-Enhanced Ultrasound Evaluation of Residual Blood Flow to Hepatocellular Carcinoma After Treatment With Transarterial Chemoembolization Using Drug-Eluting Beads. Journal of Ultrasound in Medicine, 2015, 34, 859-867.	0.8	33
49	Non-Invasive Intra-cardiac Pressure Measurements Using Subharmonic-Aided Pressure Estimation: Proof of Concept in Humans. Ultrasound in Medicine and Biology, 2017, 43, 2718-2724.	0.7	33
50	Volume flow estimation using time domain correlation and ultrasonic flowmetry. Ultrasound in Medicine and Biology, 1995, 21, 1037-1045.	0.7	32
51	Comparison of shift estimation strategies in spectral elastography. Ultrasonics, 2006, 44, 99-108.	2.1	32
52	Perfusion Estimation Using Contrast-Enhanced 3-dimensional Subharmonic Ultrasound Imaging. Investigative Radiology, 2013, 48, 654-660.	3.5	32
53	Making waves: how ultrasound-targeted drug delivery is changing pharmaceutical approaches. Materials Advances, 2022, 3, 3023-3040.	2.6	31
54	Recent technological advancements in cardiac ultrasound imaging. Ultrasonics, 2018, 84, 329-340.	2.1	30

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55	Ultrasound-triggered antibiotic release from PEEK clips to prevent spinal fusion infection: Initial evaluations. <i>Acta Biomaterialia</i> , 2019, 93, 12-24.	4.1	30
56	Contrast enhanced maximum intensity projection ultrasound imaging for assessing angiogenesis in murine glioma and breast tumor models: A comparative study. <i>Ultrasonics</i> , 2011, 51, 382-389.	2.1	29
57	Subharmonic microbubble emissions for noninvasively tracking right ventricular pressures. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H126-H132.	1.5	29
58	Static and Dynamic Cumulative Maximum Intensity Display Mode for Subharmonic Breast Imaging. <i>Journal of Ultrasound in Medicine</i> , 2010, 29, 1177-1185.	0.8	27
59	Comparison of Photoacoustically Derived Hemoglobin and Oxygenation Measurements with Contrast-Enhanced Ultrasound Estimated Vascularity and Immunohistochemical Staining in a Breast Cancer Model. <i>Ultrasonic Imaging</i> , 2015, 37, 42-52.	1.4	27
60	Effects of Needle and Catheter Size on Commercially Available Ultrasound Contrast Agents. <i>Journal of Ultrasound in Medicine</i> , 2015, 34, 1961-1968.	0.8	27
61	Breast Cancer Brain Metastasis Response to Radiation After Microbubble Oxygen Delivery in a Murine Model. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 3221-3228.	0.8	26
62	New Image Processing Technique for Evaluating Breast Microcalcifications. <i>Journal of Ultrasound in Medicine</i> , 2012, 31, 885-893.	0.8	24
63	Quantitative analysis of vascular heterogeneity in breast lesions using contrast-enhanced 3-D harmonic and subharmonic ultrasound imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2015, 62, 502-510.	1.7	24
64	Recent technological advancements in breast ultrasound. <i>Ultrasonics</i> , 2016, 70, 183-190.	2.1	24
65	Effect of Pulse Shaping on Subharmonic Aided Pressure Estimation In Vitro and In Vivo. <i>Journal of Ultrasound in Medicine</i> , 2017, 36, 3-11.	0.8	23
66	Comparing Differential Tissue Harmonic Imaging With Tissue Harmonic and Fundamental Gray Scale Imaging of the Liver. <i>Journal of Ultrasound in Medicine</i> , 2007, 26, 1557-1563.	0.8	22
67	Optimal Control of SonoVue Microbubbles to Estimate Hydrostatic Pressure. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 557-567.	1.7	22
68	Doppler Ultrasound Simulation Model for Pulsatile Flow with Nonaxial Components. <i>Ultrasonic Imaging</i> , 1996, 18, 157-172.	1.4	21
69	In vivo elastographic investigation of ethanol-induced hepatic lesions. <i>Ultrasound in Medicine and Biology</i> , 2005, 31, 607-612.	0.7	21
70	Subdermal Ultrasound Contrast Agent Injection for Sentinel Lymph Node Identification: An Analysis of Safety and Contrast Agent Dose in Healthy Volunteers. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 1611-1620.	0.8	21
71	Gemcitabine-loaded microbubble system for ultrasound imaging and therapy. <i>Acta Biomaterialia</i> , 2021, 130, 385-394.	4.1	21
72	Photoacoustic Oxygenation Quantification in Patients with Raynaud's: First-in-Human Results. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 2081-2088.	0.7	19

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73	Quantitative Nonlinear Contrast-Enhanced Ultrasound of the Breast. <i>American Journal of Roentgenology</i> , 2016, 207, 274-281.	1.0	18
74	Evaluation of hepatocellular carcinoma transarterial chemoembolization using quantitative analysis of 2D and 3D real-time contrast enhanced ultrasound. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 035039.	0.6	18
75	Blood Flow Estimation with Harmonic Flash Echo Imaging. <i>Ultrasonic Imaging</i> , 2001, 23, 161-170.	1.4	17
76	Multi-frequency harmonic arrays: initial experience with a novel transducer concept for nonlinear contrast imaging. <i>Ultrasonics</i> , 2004, 43, 79-85.	2.1	17
77	Diagnosis of Carpal Tunnel Syndrome using Shear Wave Elastography and High-frequency Ultrasound Imaging. <i>Academic Radiology</i> , 2021, 28, e278-e287.	1.3	17
78	Novel Automated Motion Compensation Technique for Producing Cumulative Maximum Intensity Subharmonic Images. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 1555-1563.	0.7	16
79	Assessing algorithms for defining vascular architecture in subharmonic images of breast lesions. <i>Physics in Medicine and Biology</i> , 2011, 56, 919-930.	1.6	16
80	Recent Experiences and Advances in Contrast-Enhanced Subharmonic Ultrasound. <i>BioMed Research International</i> , 2015, 2015, 1-6.	0.9	16
81	Sentinel Lymph Node Characterization with a Dual-Targeted Molecular Ultrasound Contrast Agent. <i>Molecular Imaging and Biology</i> , 2018, 20, 221-229.	1.3	16
82	Processing of Subharmonic Signals from Ultrasound Contrast Agents to Determine Ambient Pressures. <i>Ultrasonic Imaging</i> , 2012, 34, 81-92.	1.4	15
83	Advanced Ultrasound Techniques for Breast Imaging. <i>Seminars in Roentgenology</i> , 2011, 46, 60-67.	0.2	14
84	Contrast-Enhanced Sonography for Detection of Secondary Lymph Nodes in a Melanoma Tumor Animal Model. <i>Journal of Ultrasound in Medicine</i> , 2014, 33, 939-947.	0.8	14
85	Microcalcifications Versus Artifacts: Initial Evaluation of a New Ultrasound Image Processing Technique to Identify Breast Microcalcifications in a Screening Population. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 2321-2324.	0.7	14
86	Subharmonic-Aided Pressure Estimation for Monitoring Interstitial Fluid Pressure in Tumors: Calibration and Treatment with Paclitaxel in Breast Cancer Xenografts. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 1401-1410.	0.7	14
87	On Factors Affecting Subharmonic-aided Pressure Estimation (SHAPE). <i>Ultrasonic Imaging</i> , 2019, 41, 35-48.	1.4	14
88	Sonoporation for Augmenting Chemotherapy of Pancreatic Ductal Adenocarcinoma. <i>Methods in Molecular Biology</i> , 2020, 2059, 191-205.	0.4	14
89	Contrast-Enhanced Transrectal Ultrasonography of a Novel Canine Prostate Cancer Model. <i>Journal of Ultrasound in Medicine</i> , 2002, 21, 1003-1013.	0.8	13
90	Correlation of ultrasound contrast agent derived blood flow parameters with immunohistochemical angiogenesis markers in murine xenograft tumor models. <i>Ultrasonics</i> , 2013, 53, 1384-1391.	2.1	13

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91	Prostate Contrast Enhanced Transrectal Ultrasound Evaluation of the Prostate With Whole-Mount Prostatectomy Correlation. <i>Urology</i> , 2019, 133, 187-191.	0.5	13
92	Superb Microvascular Imaging Improves Detection of Vascularity in Indeterminate Renal Masses. <i>Journal of Ultrasound in Medicine</i> , 2020, 39, 1947-1955.	0.8	13
93	Harmonic imaging with gas-filled microspheres: Initial experiences. <i>International Journal of Imaging Systems and Technology</i> , 1997, 8, 69-81.	2.7	12
94	Contrast-Enhanced Subharmonic and Harmonic Ultrasound of Renal Masses Undergoing Percutaneous Cryoablation. <i>Academic Radiology</i> , 2015, 22, 820-826.	1.3	12
95	Influence of contrast-enhanced ultrasound administration setups on microbubble enhancement: a focus on pediatric applications. <i>Pediatric Radiology</i> , 2018, 48, 101-108.	1.1	12
96	Ultrasound Detection of Microcalcifications in Surgical Breast Specimens. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1286-1290.	0.7	12
97	Contrast-Enhanced Ultrasound for Monitoring Non-surgical Treatments of Uterine Fibroids: A Systematic Review. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 3-18.	0.7	12
98	Selecting the optimal parameters for sonoporation of pancreatic cancer in a pre-clinical model. <i>Cancer Biology and Therapy</i> , 2021, 22, 204-215.	1.5	12
99	Validating Volume Flow Measurements From a Novel Semiautomated Four-Dimensional Doppler Ultrasound Scanner. <i>Academic Radiology</i> , 2006, 13, 1204-1210.	1.3	11
100	Long Term Surveillance of Renal Cell Carcinoma Recurrence Following Ablation using 2D and 3D Contrast-Enhanced Ultrasound. <i>Urology</i> , 2018, 121, 189-196.	0.5	11
101	Characterization of Breast Microcalcifications Using a New Ultrasound Image Processing Technique. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 1733-1738.	0.8	11
102	Ultrasound contrast agents: microbubbles made simple for the pediatric radiologist. <i>Pediatric Radiology</i> , 2021, 51, 2117-2127.	1.1	11
103	Network Meta-Analysis: Noninvasive Imaging Modalities for Identifying Clinically Significant Portal Hypertension. <i>Digestive Diseases and Sciences</i> , 2022, 67, 3313-3326.	1.1	11
104	Delineation of Atherosclerotic Plaque Using Subharmonic Imaging Filtering Techniques and a Commercial Intravascular Ultrasound System. <i>Ultrasonic Imaging</i> , 2013, 35, 30-44.	1.4	10
105	Arterial occlusions increase the risk of in-stent restenosis after vertebral artery ostium stenting. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 574-578.	2.0	10
106	Characterizing Breast Lesions Using Quantitative Parametric 3D Subharmonic Imaging: A Multicenter Study. <i>Academic Radiology</i> , 2020, 27, 1065-1074.	1.3	10
107	Investigation of parametric spectral estimation techniques for elasticity imaging. <i>Ultrasound in Medicine and Biology</i> , 2005, 31, 1109-1121.	0.7	9
108	Carotid Stenosis Assessed With a 4-Dimensional Semiautomated Doppler System. <i>Journal of Ultrasound in Medicine</i> , 2008, 27, 1337-1344.	0.8	9

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109	Preclinical Acute Toxicology Study of Surfactant-Stabilized Ultrasound Contrast Agents in Adult Rats. <i>International Journal of Toxicology</i> , 2010, 29, 32-39.	0.6	9
110	Assessing carotid plaque neovascularity and calcifications in patients prior to endarterectomy. <i>Journal of Vascular Surgery</i> , 2019, 70, 1137-1144.	0.6	9
111	Developing an Interface and Investigating Optimal Parameters for Real-Time Intracardiac Subharmonic-Aided Pressure Estimation. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 579-585.	1.7	9
112	Hepatic Vein Contrast-Enhanced Ultrasound Subharmonic Imaging Signal as a Screening Test for Portal Hypertension. <i>Digestive Diseases and Sciences</i> , 2021, 66, 4354-4360.	1.1	9
113	Can the Effect of Antiangiogenic Treatments Be Monitored and Quantified Noninvasively by Using Contrast-enhanced US?. <i>Radiology</i> , 2010, 254, 317-318.	3.6	8
114	Subharmonic and Endoscopic Contrast Imaging of Pancreatic Masses: A Pilot Study. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 123-129.	0.8	8
115	Characterization of Adnexal Masses Using Contrast-Enhanced Subharmonic Imaging: A Pilot Study. <i>Journal of Ultrasound in Medicine</i> , 2020, 39, 977-985.	0.8	8
116	Transrectal Subharmonic Ultrasound Imaging for Prostate Cancer Detection. <i>Urology</i> , 2020, 138, 106-112.	0.5	8
117	Contrast-enhanced Ultrasound Identifies Patent Feeding Vessels in Transarterial Chemoembolization Patients With Residual Tumor Vascularity. <i>Ultrasound Quarterly</i> , 2020, 36, 218-223.	0.3	8
118	In vivo destruction of ultrasound contrast microbubbles is independent of the mechanical index. <i>Journal of Ultrasound in Medicine</i> , 2006, 25, 143-4.	0.8	8
119	Image enhancement by acoustic conditioning of ultrasound contrast agents. <i>Ultrasound in Medicine and Biology</i> , 2004, 30, 191-198.	0.7	7
120	Parametric Subharmonic Imaging Using a Commercial Intravascular Ultrasound Scanner. <i>Journal of Ultrasound in Medicine</i> , 2012, 31, 361-371.	0.8	7
121	Comparing Central Aortic Pressures Obtained Using a SphygmoCor Device to Pressures Obtained Using a Pressure Catheter. <i>American Journal of Hypertension</i> , 2022, 35, 397-406.	1.0	7
122	The Antiangiogenic Effects of a Vascular Endothelial Growth Factor Decoy Receptor Can Be Monitored in Vivo Using Contrast-Enhanced Ultrasound Imaging. <i>Molecular Imaging</i> , 2014, 13, 7290.2013.00073.	0.7	6
123	The Diagnostic Value of Contrast-Enhanced Ultrasound for Monitoring Complications After Kidney Transplantation—A Systematic Review and Meta-Analysis. <i>Academic Radiology</i> , 2021, 28, 1086-1093.	1.3	6
124	Contrast-Enhanced Ultrasound and Shear Wave Elastography: Novel Methods for the Evaluation of Urethral Stricture Disease. <i>Journal of Urology</i> , 2022, 207, 152-160.	0.2	6
125	Contrast-Enhanced Subharmonic Aided Pressure Estimation (SHAPE) using Ultrasound Imaging with a Focus on Identifying Portal Hypertension. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	6
126	Applying real-time noninvasive pressure estimation obtained from subharmonic contrast microbubble signals. , 2008, , .		5



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127	Comparing Image Processing Techniques for Improved 3-Dimensional Ultrasound Imaging. Journal of Ultrasound in Medicine, 2010, 29, 615-619.	0.8	5
128	High and low frequency subharmonic imaging of angiogenesis in a murine breast cancer model. Ultrasonics, 2015, 62, 50-55.	2.1	5
129	Minimizing Penile Prosthesis Implant Infection: What Can We Learn From Orthopedic Surgery?. Urology, 2020, 146, 6-14.	0.5	5
130	<sc>3D</sc> Harmonic and Subharmonic Imaging for Characterizing Breast Lesions. Journal of Ultrasound in Medicine, 2022, 41, 1667-1675.	0.8	5
131	Real-Time Excitation-Enhanced Ultrasound Contrast Imaging. Ultrasonic Imaging, 2005, 27, 65-74.	1.4	4
132	Comparing Quantitative Immunohistochemical Markers of Angiogenesis to Contrast-Enhanced Subharmonic Imaging. Journal of Ultrasound in Medicine, 2016, 35, 1839-1847.	0.8	4
133	The Effects of Hydrostatic Pressure on the Subharmonic Response of SonoVue and Sonazoid. , 2019, , .		4
134	Three-Dimensional Subharmonic Aided Pressure Estimation for Assessing Arterial Plaques in a Rabbit Model. Journal of Ultrasound in Medicine, 2019, 38, 1865-1873.	0.8	4
135	Acoustic Parameters for Optimal Ultrasound-Triggered Release from Novel Spinal Hardware Devices. Ultrasound in Medicine and Biology, 2020, 46, 350-358.	0.7	4
136	Predicting Long-Term Hepatocellular Carcinoma Response to Transarterial Radioembolization Using Contrast-Enhanced Ultrasound: Initial Experiences. Ultrasound in Medicine and Biology, 2021, 47, 2523-2531.	0.7	4
137	Will the Combination of US Contrast Microbubbles and High-Intensity Focused Ultrasound Enable Noninvasive Brain Surgery?. Radiology, 2006, 241, 1-2.	3.6	3
138	Monitoring Progression of Ductal Carcinoma In Situ Using Photoacoustics and Contrast-Enhanced Ultrasound. Translational Oncology, 2019, 12, 973-980.	1.7	3
139	Performance of Molecular Lymphosonography for Detection and Quantification of Metastatic Involvement in Sentinel Lymph Nodes. Journal of Ultrasound in Medicine, 2019, 38, 2103-2110.	0.8	3
140	A Noninvasive Ultrasound Based Technique to Identify Treatment Responders in Patients with Portal Hypertension. Academic Radiology, 2021, 28, S128-S137.	1.3	3
141	Acute portal hypertension models in dogs: low- and high-flow approaches. Comparative Medicine, 2012, 62, 419-26.	0.4	3
142	The antiangiogenic effects of a vascular endothelial growth factor decoy receptor can be monitored in vivo using contrast-enhanced ultrasound imaging. Molecular Imaging, 2014, 13, 1-9.	0.7	3
143	Ultrasound Pressure Estimation for Diagnosing Portal Hypertension in Patients Undergoing Dialysis for Chronic Kidney Disease. Journal of Ultrasound in Medicine, 2022, 41, 2181-2189.	0.8	3
144	Contrast-enhanced ultrasound identifies early extrahepatic collateral contributing to residual hepatocellular tumor viability after transarterial chemoembolization. Radiology Case Reports, 2018, 13, 713-718.	0.2	2

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145	Contrast-enhanced Ultrasound in Small Intestinal Ischemia. Journal of Ultrasound in Medicine, 2021, , .	0.8	2
146	Characterization of indeterminate breast lesions on B-mode ultrasound using automated machine learning models. Journal of Medical Imaging, 2020, 7, .	0.8	2
147	Improved Sensitivity of <scp>Ultrasound-based</scp> Subharmonic Aided Pressure Estimation Using Monodisperse Microbubbles. Journal of Ultrasound in Medicine, 2022, 41, 1781-1789.	0.8	2
148	Using a Commercial Ultrasound Contrast Agent for Viral-Mediated Gene Transfer In Vitro and In Vivo. AIP Conference Proceedings, 2007, , .	0.3	1
149	Quantitative analysis of subharmonic imaging using microbubbles in contrast imaging. , 2011, , .		1
150	Science to Practice: Can Contrast-enhanced US of Targeted Microbubbles Be Used to Monitor and Quantify Inflammation in Patients with Inflammatory Bowel Disease?. Radiology, 2012, 262, 1-2.	3.6	1
151	Characterization of renal masses with harmonic and subharmonic contrast-enhanced ultrasound. , 2014, , .		1
152	Comparing subharmonic imaging and immunohistochemical markers of angiogenesis. , 2014, , .		1
153	Contrast-enhanced Sonography and Fusion Technology for Assessment of an Embolized Renal Angiomyolipoma. Journal of Ultrasound in Medicine, 2016, 35, 2292-2295.	0.8	1
154	Contrast-enhanced nonlinear 3D ultrasound imaging of breast lesions in a clinical population. , 2016, , .		1
155	Ultrasound microbubble targeted gemcitabine delivery for pancreatic cancer treatment. , 2017, , .		1
156	Three-dimensional US Measurements of Blood Flow: One Step Closer to Clinical Practice. Radiology, 2020, 296, 671-672.	3.6	1
157	Subharmonic Aided Pressure Estimation (SHAPE). , 2018, , 159-168.		1
158	Activation of Phase Change Contrast Agents Using Ionizing Radiation. Journal of Ultrasound in Medicine, 2021, , .	0.8	1
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