Artifacts in ultrasound imaging.

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Citation Report

#	Article	IF	Citations
1	A new model describing ultrasound reflectivity at the transducer surface. , 0, , .		3
2	Molecular Absorption of Ultrasound in Biological Materials. , 1987, , .		2
3	In-vivo measurements of ultrasound attenuation in normal or diseased liver. Ultrasound in Medicine and Biology, 1988, 14, 127-136.	0.7	76
4	Application of a knowledge-based system to the interpretation of ultrasound images. , 0, , .		1
5	Clinical evaluation of a digital signal-processing device for real-time speckle suppression in medical ultrasonics. British Journal of Radiology, 1989, 62, 761-764.	1.0	6
7	Contrast agents in diagnostic ultrasound. Ultrasound in Medicine and Biology, 1989, 15, 319-333.	0.7	322
8	Abdominal ultrasonography in small animals: Examination of the liver, spleen and pancreas. Journal of Small Animal Practice, 1990, 31, 5-14.	0.5	34
9	Artifacts in urinary tract ultrasonography. Urologic Radiology, 1990, 12, 228-232.	0.2	1
10	Fetal Echocardiography: Assessment of Cardiovascular Anatomy and Function. Clinics in Perinatology, 1990, 17, 911-940.	0.8	3
11	Effect of scan format on refraction artifacts. Ultrasound in Medicine and Biology, 1990, 16, 183-191.	0.7	14
12	Regions in the B-mode image of a cylinder where the location of a point reflector is changed by sound speed variation. Ultrasound in Medicine and Biology, 1991, 17, 355-366.	0.7	3
13	B-scan Ultrasonography of Eyes Containing Intravitreal Gas. American Journal of Ophthalmology, 1991, 112, 272-277.	1.7	5
14	Trainable models for the interpretation of echocardiogram images. , 1991, , 408-418.		0
16	CCDS: Physical principles and technical considerations. , 1992, , 1-14.		3
17	Endoscopic Ultrasonography Images of the Normal Retroperitoneum. Gastrointestinal Endoscopy Clinics of North America, 1992, 2, 637-655.	0.6	7
18	Morphometric analysis of sonographic images by spatial geometric modeling. Computerized Medical Imaging and Graphics, 1992, 16, 93-108.	3.5	6
19	Trainable models for the interpretation of biomedical images. Image and Vision Computing, 1992, 10, 444-449.	2.7	9
20	Ultrasonic signs of pneumothorax: Preliminary work. Journal of Clinical Ultrasound, 1993, 21, 245-250.	0.4	62

#	Article	IF	Citations
21	ULTRASOUND CORNER THE URINARY BLADDER WALL HYPOECHOIC PSEUDOLESION. Veterinary Radiology and Ultrasound, 1993, 34, 45-46.	0.4	10
22	Mirror-image artifact with endoscopic ultrasonography and reappraisal of the fluid-air interface. Gastrointestinal Endoscopy, 1993, 39, 700-703.	0.5	9
23	Reverberation reduction in ultrasonic B-mode images via dual frequency image subtraction. IEEE Transactions on Medical Imaging, 1993, 12, 792-802.	5.4	6
24	Compensation for the signal processing characteristics of ultrasound b-mode scanners in adaptive speckle reduction. Ultrasound in Medicine and Biology, 1993, 19, 469-485.	0.7	39
25	Clinical significance and origin of artifacts in transesophageal echocardiography of the thoracic aorta. Journal of the American College of Cardiology, 1993, 21, 754-760.	1.2	98
26	Ultrasonically Guided Aspiration Biopsy in Osteolytic Bone Lesions of the Chest Wall. Chest, 1993, 103, 1403-1408.	0.4	23
27	Development of an advanced digital image processor for real-time speckle suppression in routine ultrasonic scanning. Ultrasound in Medicine and Biology, 1994, 20, 239-249.	0.7	12
28	Endoscopic ultrasonographic criteria of vascular invasion by potentially resectable pancreatic tumors. Gastrointestinal Endoscopy, 1994, 40, 326-333.	0.5	105
29	Transesophageal Echocardiographic Artifact Mimicking Pseudoaneurysm of the Aorta. Journal of the American Society of Echocardiography, 1994, 7, 538-541.	1.2	6
30	Review of artifacts associated with transrectal ultrasound: Understanding, recognition, and prevention of misinterpretation. Journal of Clinical Ultrasound, 1995, 23, 483-494.	0.4	25
31	IMAGING ARTIFACTS IN DIAGNOSTIC ULTRASOUND-A REVIEW. Veterinary Radiology and Ultrasound, 1995, 36, 297-306.	0.4	75
32	ULTRASOUND CORNER: AN ARTIFACT RESULTING FROM PROPAGATION SPEED ERROR. Veterinary Radiology and Ultrasound, 1995, 36, 549-550.	0.4	3
33	Image Artifacts in Real-Time Ultrasound. Journal of Diagnostic Medical Sonography, 1995, 11, 300-308.	0.1	12
34	Diagnosis of ascending aortic dissection by transesophageal echocardiography: Utility of M-mode in recognizing artifacts. Journal of the American College of Cardiology, 1996, 27, 102-107.	1.2	96
35	Recent developments in breast imaging. Physics in Medicine and Biology, 1996, 41, 315-368.	1.6	151
36	Ultrasound physics: principles of ultrasonography. Gastrointestinal Endoscopy, 1996, 43, S4-S5.	0.5	2
37	Ultrasound versus plain film in the detection of pneumoperitoneum. Abdominal Imaging, 1996, 21, 404-412.	2.0	45
38	Detection and estimation of the volume of pneumothorax using real-time sonography: efficacy determined by receiver operating characteristic analysis.. American Journal of Roentgenology, 1996, 166, 317-321.	1.0	60

#	Article	IF	Citations
39	SIDE LOBES AND GRATING LOBES ARTIFACTS IN ULTRASOUND IMAGING. Veterinary Radiology and Ultrasound, 1997, 38, 387-393.	0.4	32
40	Respiratory Ultrasonography of Human Parasternal Intercostal Muscle In Vivo. Ultrasound in Medicine and Biology, 1998, 24, 313-326.	0.7	19
41	In vitro evaluation of three-dimensional ultrasonography based on magnetic scanhead tracking. Ultrasound in Medicine and Biology, 1998, 24, 1161-1167.	0.7	43
42	Mirror image artifacts of color Doppler images causing misinterpretation in carotid artery stenoses.. Journal of Ultrasound in Medicine, 1998, 17, 683-686.	0.8	22
43	Gas at Abdominal US: Appearance, Relevance, and Analysis of Artifacts. Radiology, 1999, 210, 113-123.	3.6	53
44	ULTRASONOGRAPHIC EVALUATION OF EQUINE TENDONS: A QUANTITATIVE IN VITRO STUDY OF THE EFFECTS OF AMPLIFIER GAIN LEVEL, TRANSDUCER-TILT, AND TRANSDUCER-DISPLACEMENT. Veterinary Radiology and Ultrasound, 1999, 40, 151-160.	0.4	32
45	Does ductal occlusion with the Gianturco coil cause left pulmonary artery and/or descending aorta obstruction?. American Journal of Cardiology, 1999, 83, 1229-1235.	0.7	13
46	Effect of color Doppler system on the twinkling sign associated with urinary tract calculi. , 1999, 27, 433-439.		64
47	Ultrasound Processing and Computing: Review and Future Directions. Annual Review of Biomedical Engineering, 1999, 1, 559-588.	5.7	56
48	Ring-down artifacts posterior to the right hemidiaphragm on abdominal sonography: sign of pulmonary parenchymal abnormalities.. Journal of Ultrasound in Medicine, 1999, 18, 403-410.	0.8	14
49	NON-CARDIAC THORACIC ULTRASOUND IN 75 FELINE AND CANINE PATIENTS. Veterinary Radiology and Ultrasound, 2000, 41, 154-162.	0.4	80
50	RELEVANCE OF SONOGRAPHIC ARTIFACTS OBSERVED DURING IN VITRO CHARACTERIZATION OF UROCYSTOLITH MINERAL COMPOSITION. Veterinary Radiology and Ultrasound, 2000, 41, 438-446.	0.4	17
51	Sources and impact of artifacts on clinical three-dimensional ultrasound imaging. Ultrasound in Obstetrics and Gynecology, 2000, 16, 374-383.	0.9	100
52	Artifacts and the visualization of fetal distal extremities using three-dimensional ultrasound. Ultrasound in Obstetrics and Gynecology, 2000, 16, 341-344.	0.9	16
53	Doppler Mirror Image Artifacts Mimicking Mitral Regurgitation in Patients with Mechanical Bileaflet Mitral Valve Prostheses. European Journal of Echocardiography, 2000, 1, 138-143.	2.3	7
54	Mirror Image Artifact Produced by Cardiac Pacemaker. Journal of Diagnostic Medical Sonography, 2000, 16, 26-28.	0.1	1
55	Structure-related echoes in ultrasonographic images of equine superficial digital flexor tendons. American Journal of Veterinary Research, 2000, 61, 202-209.	0.3	27
56	Is It Real or Is It an Artifact. Ultrasound Quarterly, 2001, 17, 201-210.	0.3	15

#	Article	IF	Citations
58	Differential Transesophageal Echocardiographic Diagnosis Between Linear Artifacts and Intraluminal Flap of Aortic Dissection or Disruption. Chest, 2001, 119, 1778-1790.	0.4	66
59	Endobronchial ultrasound-guided transbronchial lung biopsy in solitary pulmonary nodules and peripheral lesions. European Respiratory Journal, 2002, 20, 972-974.	3.1	298
60	Ultrasonography in a Nasal Cavity Filled with Water during Endoscopic Sinus Surgery. Annals of Otology, Rhinology and Laryngology, 2002, 111, 836-841.	0.6	1
62	Potential of three-dimensional ultrasound in neonatal and paediatric neurosonography. European Radiology, 2003, 13, 2082-2093.	2.3	50
63	Real-Time three-dimensional echocardiography versus two-dimensional echocardiography in the diagnosis of left ventricular apical thrombi: Preliminary findings. Journal of Clinical Ultrasound, 2003, 31, 412-418.	0.4	10
64	The aurora sign: an ultrasonographic sign suggesting parenchymal lung disease. British Journal of Radiology, 2003, 76, 437-443.	1.0	20
65	Computerized ultrasonographic tissue characterization of equine superficial digital flexor tendons by means of stability quantification of echo patterns in contiguous transverse ultrasonographic images. American Journal of Veterinary Research, 2003, 64, 366-375.	0.3	71
66	Ultrasonographic fata morgana. Nephrology Dialysis Transplantation, 2003, 18, 845-846.	0.4	0
67	Diagnostic contribution of thoracic ultrasonography in 17 foals with Rhodococcus equi pneumonia. Veterinary Radiology and Ultrasound, 2004, 45, 172-176.	0.4	28
68	Wavelet-based statistical approach for speckle reduction in medical ultrasound images. Medical and Biological Engineering and Computing, 2004, 42, 189-192.	1.6	174
69	The diagnostic relevance of colour Doppler artefacts in carotid artery examinations. European Journal of Radiology, 2004, 51, 246-251.	1.2	17
70	Atypical Color Doppler Findings Related to Remote Lower-Extremity Traumatic Injury. Journal for Vascular Ultrasound, 2005, 29, 93-95.	0.2	0
71	Ring down artefacts on abdominal sonography to predict pulmonary abnormalities in the emergency department. Emergency Medicine Journal, 2005, 22, 747-748.	0.4	4
72	Doppler Artifacts and Pitfalls. Ultrasound Clinics, 2006, 1, 79-109.	0.2	8
73	Doppler Artifacts and Pitfalls. Radiologic Clinics of North America, 2006, 44, 805-835.	0.9	84
74	Classification and segmentation of intracardiac masses in cardiac tumor echocardiograms. Computerized Medical Imaging and Graphics, 2006, 30, 95-107.	3.5	25
75	Numerical assessment of the impact of a flow wire on its velocity measurements. Ultrasound in Medicine and Biology, 2006, 32, 1025-1036.	0.7	2
76	Aortic Pseudothrombus. Journal of Diagnostic Medical Sonography, 2006, 22, 131-134.	0.1	1

#	Article	IF	Citations
77	Imaging Artifacts of Medical Instruments in Ultrasound-Guided Interventions. Journal of Ultrasound in Medicine, 2007, 26, 1303-1322.	0.8	72
78	Artifacts and Pitfall Errors Associated With Ultrasound-Guided Regional Anesthesia. Part II. Regional Anesthesia and Pain Medicine, 2007, 32, 419-433.	1.1	8
79	Upper Extremity Venous Doppler Ultrasound. Radiologic Clinics of North America, 2007, 45, 513-524.	0.9	25
80	A versatile technique for visual enhancement of medical ultrasound images. , 2007, 17, 542-560.		64
81	Continuing medical education: Ultrasound guidance for regional blockade â€" basic concepts. Canadian Journal of Anaesthesia, 2008, 55, 869-874.	0.7	1
83	Reverberation: source of potential artifacts occurring during ultrasound-guided regional anesthesia. Canadian Journal of Anaesthesia, 2009, 56, 174-175.	0.7	5
84	Transthoracic Ultrasound in the Evaluation of Pulmonary Fibrosis: Our Experience. Ultrasound in Medicine and Biology, 2009, 35, 723-729.	0.7	76
85	Endoscopic Ultrasound in CBD Stone. Gastroenterology, 2009, 137, e7-e8.	0.6	0
86	Monitoring of the repair process of surgically created lesions in equine superficial digital flexor tendons by use of computerized ultrasonography. American Journal of Veterinary Research, 2009, 70, 37-48.	0.3	45
87	Upper Extremity Venous Doppler Ultrasound. Ultrasound Clinics, 2009, 4, 181-192.	0.2	1
88	Transmit beams adapted to reverberation noise suppression using dual-frequency SURF imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 2124-2133.	1.7	25
89	Locally adaptive speckle noise reduction using maximum a posteriori estimation based on Maxwell distribution. , 2009, , .		0
90	Sonographic Interstitial Syndrome. Journal of Ultrasound in Medicine, 2009, 28, 163-174.	0.8	204
91	Artifacts and Pitfall Errors Associated With Ultrasound-Guided Regional Anesthesia. Regional Anesthesia and Pain Medicine, 2010, 35, S81-S92.	1.1	55
92	Mobile echoes in liver cysts: A form of range-ambiguity artifact. Journal of Clinical Ultrasound, 2010, 38, 475-479.	0.4	4
93	Characterization of the normal pulmonary surface and pneumonectomy space by reflected ultrasound. Journal of Ultrasound, 2011, 14, 22-27.	0.7	20
94	â€œSyntheticâ€•Comets: A New Look at Lung Sonography. Ultrasound in Medicine and Biology, 2011, 37, 1762-1770.	0.7	53
95	Comparison of three types of preparations for abdominal sonography. Journal of Clinical Ultrasound, 2011, 39, 203-208.	0.4	14

#	Article	IF	Citations
96	Hexagonal adaptive filtering on compound ultrasound images. , 2011, 2011, 4856-9.		1
97	Mirror-Image Artifact of Early Pregnancy on Transvaginal Sonography. Journal of Ultrasound in Medicine, 2012, 31, 1858-1859.	0.8	4
98	Creating thoracic phantoms for diagnostic and procedural ultrasound training. Australasian Journal of Ultrasound in Medicine, 2012, 15, 43-54.	0.3	16
99	Ultrasound image enhancement: A review. Biomedical Signal Processing and Control, 2012, 7, 419-428.	3.5	152
100	Automatic registration between 3D intra-operative ultrasound and pre-operative CT images of the liver based on robust edge matching. Physics in Medicine and Biology, 2012, 57, 69-91.	1.6	55
101	A novel Bayesian respiratory motion model to estimate and resolve uncertainty in image-guided cardiac interventions. Medical Image Analysis, 2013, 17, 488-502.	7.0	15
102	Combined chirp coded tissue harmonic and fundamental ultrasound imaging for intravascular ultrasound: 20â€“60MHz phantom and ex vivo results. Ultrasonics, 2013, 53, 369-376.	2.1	21
103	Suppression of Grating Lobe Artifacts in Ultrasound Images Formed from Diverging Transmitting Beams by Modulation of Receiving Beams. Ultrasound in Medicine and Biology, 2013, 39, 681-691.	0.7	13
104	Full-field optical coherence tomography for the analysis of fresh unstained human lobectomy specimens. Journal of Pathology Informatics, 2013, 4, 26.	0.8	39
105	Mirror Image Artifact Mimicking Heterotopic Pregnancy on Transvaginal Ultrasound: Case Series. Western Journal of Emergency Medicine, 2014, 15, 712-714.	0.6	5
106	Biomedical Applications of Ultrasound. , 2014, , 401-436.		4
107	Ultrasound Image Despeckling/Denoising Based on a Novel Multi-transducer Architecture. , 2014, , .		7
109	Techniques to derive geometries for image-based Eulerian computations. Engineering Computations, 2014, 31, 530-566.	0.7	6
110	Diagnosing pneumothorax with ultrasonography. Radiologia, 2014, 56, 229-234.	0.3	5
112	Diagnostic Ultrasound Imaging of Mouse Diaphragm Function. Journal of Visualized Experiments, 2014, , .	0.2	5
113	A Novel Method for Ultrasound-Guided Radial Arterial Catheterization in Pediatric Patients. Anesthesia and Analgesia, 2014, 118, 1019-1026.	1.1	40
114	Usefulness of Ultrasonography for Diagnosis of Small Bowel Tumors. Medicine (United States), 2015, 94, e1464.	0.4	12
115	Critical Care Basic Ultrasound Learning Goals for American Anesthesiology Critical Care Trainees. Anesthesia and Analgesia, 2015, 120, 1041-1053.	1.1	94

#	Article	IF	Citations
116	Theranostic Mesoporous Silica Nanoparticles Biodegrade after Pro-Survival Drug Delivery and Ultrasound/Magnetic Resonance Imaging of Stem Cells. Theranostics, 2015, 5, 631-642.	4.6	172
117	Speckle bias as a 3-D offset for the tracking location of shear wave imaging. , 2015, , .		2
118	Region Based Adaptive Contrast Enhancement of Medical Ultrasound Images. , 2015, , .		4
119	Basics of Ultrasound Imaging. , 2015, , 27-56.		4
120	Carotid wall imaging. , 2016, , 34-47.		0
121	Challenges, solutions, and advances in ultrasound-guided regional anaesthesia. BJA Education, 2016, 16, 374-380.	0.6	28
122	Improvement of Shear Wave Motion Detection Using Harmonic Imaging in Healthy Human Liver. Ultrasound in Medicine and Biology, 2016, 42, 1031-1041.	0.7	18
123	Searchlight phenomenon: a novel artifact of the gallbladder. Journal of Medical Ultrasonics (2001), 2016, 43, 219-225.	0.6	3
124	Fact or Artifact in Two-Dimensional Echocardiography: Avoiding Misdiagnosis and Missed Diagnosis. Journal of the American Society of Echocardiography, 2016, 29, 381-391.	1.2	77
125	Registration of Multiview Echocardiography Sequences Using a Subspace Error Metric. IEEE Transactions on Biomedical Engineering, 2017, 64, 352-361.	2.5	7
126	Feasibility of photoacoustic evaluations on dualâ€thermal treatment of ex vivo bladder tumors. Journal of Biophotonics, 2017, 10, 577-588.	1.1	13
127	Basics of ultrasonographic examination in sheep. Small Ruminant Research, 2017, 152, 10-21.	0.6	9
128	Computer aided diagnostic system for ultrasound liver images: A systematic review. Optik, 2017, 140, 1114-1126.	1.4	23
129	Ultrasound Artifacts â€“ Part 2. Ultraschall in Der Medizin, 2017, 38, 130-148.	0.8	2
130	Computer aided diagnosis of Coronary Artery Disease, Myocardial Infarction and carotid atherosclerosis using ultrasound images: A review. Physica Medica, 2017, 33, 1-15.	0.4	38
131	Clinical Significance of US Artifacts. Radiographics, 2017, 37, 1408-1423.	1.4	77
132	Acoustic reflectivity minimization in Capacitive Micromachined Ultrasonic Transducers (CMUTs). Ultrasonics, 2017, 73, 130-139.	2.1	15
133	The Distal Acoustic Spotlight: a novel method to visualize the distal acoustic space on ultrasound. Biomedical Physics and Engineering Express, 2018, 4, 037003.	0.6	0

#	Article	IF	Citations
134	Acoustical structured illumination for super-resolution ultrasound imaging. Communications Biology, 2018, 1, 3.	2.0	36
135	Adult congenital heart disease. , 2018, , 241-298.		0
136	Point-of-care Ultrasonography for Detecting the Etiology of Unexplained Acute Respiratory and Chest Complaints in the Emergency Department: A Prospective Analysis. Cureus, 2018, 10, e3218.	0.2	5
137	Re-recognition of the principle of ultrasonic reverberation image artifacts. Technology and Health Care, 2018, 29, 1-4.	0.5	0
138	Automatic Shadow Detection in 2D Ultrasound Images. Lecture Notes in Computer Science, 2018, , 66-75.	1.0	6
139	A Nonlinear Method for Imaging with Acoustic Waves Via Reduced Order Model Backprojection. SIAM Journal on Imaging Sciences, 2018, 11, 164-196.	1.3	13
140	Common Carotid Artery Wall Localization in B-mode Ultrasound Images for Initialization of Artery Wall Tracking Methods. , 2019, , .		6
141	Early and long-term changes in the muscles of the mandible following orthognathic surgery. Clinical Oral Investigations, 2019, 23, 3437-3444.	1.4	9
142	Sagittal Measurement of Tongue Movement During Respiration: Comparison Between Ultrasonography and Magnetic Resonance Imaging. Ultrasound in Medicine and Biology, 2019, 45, 921-934.	0.7	14
143	Acoustic Shadow Detection: Study and Statistics of B-Mode and Radiofrequency Data. Ultrasound in Medicine and Biology, 2019, 45, 2248-2257.	0.7	12
144	Weakly Supervised Estimation of Shadow Confidence Maps in Fetal Ultrasound Imaging. IEEE Transactions on Medical Imaging, 2019, 38, 2755-2767.	5.4	38
145	Automated Placenta Segmentation with a Convolutional Neural Network Weighted by Acoustic Shadow Detection. , 2019, 2019, 6718-6723.		13
146	Simultaneous Axial Multifocal Imaging Using a Single Acoustical Transmission: A Practical Implementation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 273-284.	1.7	8
147	A Homemade, High-fidelity Ultrasound Model for Simulating Pneumonia with Parapneumonic Effusion and Empyema. Journal of Emergency Medicine, 2019, 56, 421-425.	0.3	2
148	A novel method for ultrasound-guided radial artery cannulation in neonates by trainee anaesthesiologists. European Journal of Anaesthesiology, 2020, 37, 91-97.	0.7	13
149	A single atrial septal defect masquerading as multiple defects due to a refraction artifact â€“ A cautionary note. Journal of Cardiology Cases, 2020, 22, 55-58.	0.2	2
150	Artifacts in Musculoskeletal Ultrasonography: From Physics to Clinics. Diagnostics, 2020, 10, 645.	1.3	35
151	Acoustical ghost imaging. Applied Physics Letters, 2020, 117, 084102.	1.5	3

#	Article	IF	Citations
152	On the Effects of Constitutive Properties and Roughness of a Hard Inclusion in Soft Tissue on B-mode Images. Ultrasonic Imaging, 2020, 42, 159-176.	1.4	0
154	A Bibliometric Analysis of Citation Classics in the Journal of Ultrasound in Medicine. Journal of Ultrasound in Medicine, 2020, 39, 1289-1297.	0.8	5
155	Emergency Ultrasound in Trauma Patients: Beware of Pitfalls and Artifacts!. Journal of Emergency Medicine, 2021, 60, 368-376.	0.3	1
156	Optimum Speckle Tracking Based on Ultrafast Ultrasound for Improving Blood Flow Velocimetry. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 494-509.	1.7	6
157	Uncertainty Quantification of Ultrasound Image Velocimetry for Liquid Metal Flow Mapping. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	5
158	Robust Needle Localization and Enhancement Algorithm for Ultrasound by Deep Learning and Beam Steering Methods. Journal of Computer Science and Technology, 2021, 36, 334-346.	0.9	22
159	Point-of-Care Cardiac Ultrasound on a Very Small Infant. Anesthesiology, 2021, 135, 151.	1.3	0
160	A review on B/A measurement methods with a clinical perspective. Journal of the Acoustical Society of America, 2021, 149, 2200-2237.	0.5	15
161	Ultrasound scannerâ€"Teaching tool. European Journal of Physics, 2021, 42, 055703.	0.3	3
162	Good and bad boundaries in ultrasound compounding: preserving anatomic boundaries while suppressing artifacts. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1957-1968.	1.7	0
163	Exploiting the Tomographic Nature of the Ultrasound, Could Processed Ultrasound Images Be a Viable Alternative to Ct or MRI?. International Journal of Medical Science and Health Research, 2021, 05, 80-90.	0.1	0
164	Image Artifacts and Pitfalls. , 2010, , 173-182.		3
165	Image Artifacts and Pitfalls. , 2011, , 177-186.		1
166	Practical Physics. , 2004, , 3-27.		6
167	Pitfalls of Gray-Scale Artifacts. , 2010, , 29-42.		4
169	Microvascular Flow Imaging of Residual or Recurrent Hepatocellular Carcinoma after Transarterial Chemoembolization: Comparison with Color/Power Doppler Imaging. Korean Journal of Radiology, 2019, 20, 1114.	1.5	22
170	Controllable Angle Shear Wavefront Reconstruction Based on Image Fusion Method for Shear Wave Elasticity Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 187-198.	1.7	0
171	Bildartefakte und Pitfalls. , 2001, , 139-147.		0

#	Article	IF	Citations
172	Image Artifacts and Pitfalls. , 2003, , 137-145.		0
173	Physics and technology of medical diagnostic ultrasound. Rivista Del Nuovo Cimento, 2003, 26, 1-64.	2.0	70
174	Adult Congenital Heart Disease. , 2007, , 237-283.		1
175	Bildartefakte und Pitfalls. , 2010, , 181-190.		0
176	Acquiring and Improving Skills in Diagnostic Endosonography. , 2014, , 1-69.		0
177	Review of essential understanding of ultrasound physics and equipment operation. World Journal of Anesthesiology, 2014, 3, 12.	0.5	2
178	Basisprincipes van het ultrageluidsonderzoek. , 2016, , 13-30.		0
179	Bildartefakte und Pitfalls. , 2016, , 173-183.		0
180	Imaging Artifacts and Pitfalls. , 2016, , 175-195.		1
181	Basic Principles of Doppler Ultrasound. , 2016, , 49-79.		0
182	Usefulness of Twinkling Artifacts in Color Doppler Ultrasonography. The Journal of the Korea Contents Association, 2016, 16, 291-298.	0.0	0
183	Image Artifacts and Pitfalls. , 2017, , 163-171.		0
185	Rare Ultrasound Findings of the Thyroid Gland and Lesions Imitating Goiter. , 2017, , 311-328.		0
187	Bile Duct Cysts. , 2021, , 9-26.		0
189	Ultrasonic Imaging: Physics and Mechanism. , 2021, , 1-38.		5
190	Drawbacks of Poor-Quality Ultrasound Images and its Enhancement. International Journal of Computer Applications, 2020, 175, 47-55.	0.2	1
191	Advantages of TRUS-based delineation for high-dose-rate prostate brachytherapy planning. Journal of Contemporary Brachytherapy, 2022, 14, 1-6.	0.4	3
192	Autonomous Prostate Segmentation in 2D B-Mode Ultrasound Images. Applied Sciences (Switzerland), 2022, 12, 2994.	1.3	0

#	Article	IF	Citations
193	Spatial Coherence in Medical Ultrasound: A Review. Ultrasound in Medicine and Biology, 2022, 48, 975-996.	0.7	5
195	The rain artifact: A newly described artifact encountered in the critical care setting due to ultrasound interference. , 0, , 30-31.		0
197	Ultrasound-guided lumbar medial branch blocks and intra-articular facet joint injections: a systematic review and meta-analysis. Pain Reports, 2022, 7, e1008.	1.4	5
198	Minimizing Image Quality Loss After Channel Count Reduction for Plane Wave Ultrasound via Deep Learning Inference. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 2849-2861.	1.7	4
199	The Feasibility of Shadowed Image Restoration Using the Synthetic Aperture Focusing Technique. Applied Sciences (Switzerland), 2022, 12, 9297.	1.3	1
200	Image Artifacts and Pitfalls. , 2022, , 187-196.		0
201	The Basics of Ultrasound Physics. Physiology in Health and Disease, 2022, , 11-57.	0.2	1
205	Image Optimization and Artifacts. , 2023, , 19-27.		0