

Marie-Helene Roy Cardinal

List of Publications by Year in descending order

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143
papers

3,365
citations

117453

34
h-index

161609

54
g-index

148
all docs

148
docs citations

148
times ranked

3188
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Applying a Skin Compression With the Ultrasound Probe on Carotid Artery Strain Elastography. <i>Journal of Ultrasound in Medicine</i> , 2022, 41, 685-697.	0.8	2
2	Shear Wave Elastography and Quantitative Ultrasound as Biomarkers to Characterize Deep Vein Thrombosis In Vivo. <i>Journal of Ultrasound in Medicine</i> , 2022, 41, 1807-1816.	0.8	8
3	Deformability of ascending thoracic aorta aneurysms assessed using ultrafast ultrasound and a principal strain estimator: In vitro evaluation and in vivo feasibility. <i>Medical Physics</i> , 2022, , .	1.6	1
4	Quantitative ultrasound, elastography, and machine learning for assessment of steatosis, inflammation, and fibrosis in chronic liver disease. <i>PLoS ONE</i> , 2022, 17, e0262291.	1.1	19
5	Strain Ultrasound Elastography of Aneurysm Sac Content after Randomized Endoleak Embolization with Sclerosing and Non-sclerosing Chitosan-based Hydrogels in a Canine Model. <i>Journal of Vascular and Interventional Radiology</i> , 2022, , .	0.2	1
6	Associative prediction of carotid artery plaques based on ultrasound strain imaging and cardiovascular risk factors in people living with HIV and age-matched control subjects of the CHACS cohort. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2022, Publish Ahead of Print, .	0.9	0
7	Intravoxel incoherent motion diffusion-weighted MRI for the characterization of inflammation in chronic liver disease. <i>European Radiology</i> , 2021, 31, 1347-1358.	2.3	17
8	Multiparametric in vivo ultrasound shear wave viscoelastography on farm-raised fatty duck livers: human radiology imaging applied to food sciences. <i>Poultry Science</i> , 2021, 100, 100968.	1.5	1
9	Lorentz force induced shear waves for magnetic resonance elastography applications. <i>Scientific Reports</i> , 2021, 11, 12785.	1.6	2
10	Quantitative ultrasound imaging of soft biological tissues: a primer for radiologists and medical physicists. <i>Insights Into Imaging</i> , 2021, 12, 127.	1.6	43
11	MRI cine tagging of cardiac-induced motion for noninvasive staging of liver fibrosis. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1570-1580.	1.9	6
12	Pilot clinical study of quantitative ultrasound spectroscopy measurements of erythrocyte aggregation within superficial veins. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 74, 109-126.	0.9	11
13	Added Value of Quantitative Ultrasound and Machine Learning in BI-RADS 4â€“5 Assessment of Solid Breast Lesions. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 436-444.	0.7	17
14	A 3D motion tracking algorithm using ultrasound B-mode images: A feasibility study. , 2020, , .		0
15	Interpretation based on stochastic geometry of homodyned-K distribution scatterer clustering parameter for quantitative ultrasound imaging. , 2020, , .		3
16	In vivo Ultrafast Quantitative Ultrasound and Shear Wave Elastography Imaging on Farm-Raised Duck Livers during Force Feeding. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 1715-1726.	0.7	12
17	Feasibility of shear wave sonoelastography to detect endoleak and evaluate thrombus organization after endovascular repair of abdominal aortic aneurysm. <i>European Radiology</i> , 2020, 30, 3879-3889.	2.3	3
18	Parameterized Strain Estimation for Vascular Ultrasound Elastography With Sparse Representation. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 3788-3800.	5.4	11

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19	Increased carotid artery wall stiffness and plaque prevalence in HIV infected patients measured with ultrasound elastography. <i>European Radiology</i> , 2020, 30, 3178-3187.	2.3	20
20	On the influence of external force induced by the ultrasound probe on internal carotid artery elastography features. , 2020, , .		0
21	Machine learning based on quantitative ultrasound for assessment of chronic liver disease. , 2020, , .		4
22	Improved frequency-shift method for shear wave attenuation computation. , 2020, , .		1
23	Assessment of Carotid Artery Plaque Components With Machine Learning Classification Using Homodyned-K Parametric Maps and Elastograms. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019, 66, 493-504.	1.7	49
24	Two-dimensional affine model-based estimators for principal strain vascular ultrasound elastography with compound plane wave and transverse oscillation beamforming. <i>Ultrasonics</i> , 2019, 91, 77-91.	2.1	17
25	Prospective comparison of transient, point shear wave, and magnetic resonance elastography for staging liver fibrosis. <i>European Radiology</i> , 2019, 29, 6477-6488.	2.3	72
26	Numerical and experimental investigation of impacts of nonlinear scattering encapsulated microbubbles on Nakagami distribution. <i>Medical Physics</i> , 2019, 46, 5467-5477.	1.6	7
27	Atherosclerotic carotid bifurcation phantoms with stenotic soft inclusions for ultrasound flow and vessel wall elastography imaging. <i>Physics in Medicine and Biology</i> , 2019, 64, 095025.	1.6	17
28	The value of non-invasive vascular elastography (NIVE) in detecting early vascular changes in overweight and obese children. <i>European Radiology</i> , 2019, 29, 3854-3861.	2.3	12
29	Atherosclerotic carotid bifurcation phantoms with a stenotic soft inclusion for flow-structure ultrasound imaging analysis. , 2019, , .		0
30	Ultrafast Quantitative Ultrasound and Shear Wave Elastography Imaging of In Vivo Duck Fatty Livers. , 2019, , .		0
31	The added value of quantitative ultrasound to shear wave elastography for assessment of steatohepatitis in a rat model. , 2019, , .		0
32	A global strain estimation algorithm for non-invasive vascular ultrasound elastography. , 2019, , .		2
33	Homodyned-K quantitative ultrasound and machine learning for detection of lateral epicondylitis of the elbow. , 2019, , .		0
34	BI-RADS assessment of solid breast lesions based on quantitative ultrasound and machine learning. , 2019, , .		0
35	Automatic Respiratory Gating Hepatic DCEUS-based Dual-phase Multi-parametric Functional Perfusion Imaging using a Derivative Principal Component Analysis. <i>Theranostics</i> , 2019, 9, 6143-6156.	4.6	2
36	Quantitative ultrasound and machine learning for assessment of steatohepatitis in a rat model. <i>European Radiology</i> , 2019, 29, 2175-2184.	2.3	33

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37	Intraluminal Ultrasonic Palpation Imaging Technique Revisited for Anisotropic Characterization of Healthy and Atherosclerotic Coronary Arteries: A Feasibility Study. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 35-49.	0.7	6
38	Automatic IVUS lumen segmentation using a 3D adaptive helix model. <i>Computers in Biology and Medicine</i> , 2019, 107, 58-72.	3.9	11
39	Acoustic radiation force induced resonance elastography of coagulating blood: theoretical viscoelasticity modeling and <i>ex vivo</i> experimentation. <i>Physics in Medicine and Biology</i> , 2018, 63, 065018.	1.6	16
40	A Dual Tissue-Doppler Optical-Flow Method for Speckle Tracking Echocardiography at High Frame Rate. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 2022-2032.	5.4	26
41	Quantitative Measurement of Erythrocyte Aggregation as a Systemic Inflammatory Marker by Ultrasound Imaging: A Systematic Review. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1303-1317.	0.7	16
42	Ultrafast imaging of cell elasticity with optical microelastography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 861-866.	3.3	44
43	Estimation of polydispersity in aggregating red blood cells by quantitative ultrasound backscatter analysis. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 2207-2216.	0.5	18
44	Stiffness Evaluation of Aortic Aneurysms Using an Ultrafast Principal Strain Estimator: In Vitro Validation. , 2018, , .		1
45	Carotid Artery Plaque Components Classification Using Homodyned-K Parametric Maps and Elastograms. , 2018, , .		0
46	Shear wave elasticity imaging for residual endoleak and thrombus characterisation after endoleak embolisation following endovascular aneurysm repair: a canine animal study. <i>European Radiology Experimental</i> , 2018, 2, 28.	1.7	1
47	Investigation of out-of-plane motion artifacts in 2D noninvasive vascular ultrasound elastography. <i>Physics in Medicine and Biology</i> , 2018, 63, 245003.	1.6	10
48	Space Curve Approach for IVUS Image Segmentation. , 2018, , .		3
49	Carotid Plaque Vulnerability Assessment Using Ultrasound Elastography and Echogenicity Analysis. <i>American Journal of Roentgenology</i> , 2018, 211, 847-855.	1.0	25
50	Carotid artery intima-media thickness measurement in children with normal and increased body mass index: a comparison of three techniques. <i>Pediatric Radiology</i> , 2018, 48, 1073-1079.	1.1	10
51	Ultrasound-guided tendon fenestration versus open-release surgery for the treatment of chronic lateral epicondylitis of the elbow: protocol for a prospective, randomised, single blinded study. <i>BMJ Open</i> , 2018, 8, e021373.	0.8	5
52	Accuracy of speckle tracking in the context of stress echocardiography in short axis view: An in vitro validation study. <i>PLoS ONE</i> , 2018, 13, e0193805.	1.1	6
53	Liver fibrosis: Review of current imaging and MRI quantification techniques. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1276-1295.	1.9	163
54	Forward and inverse viscoelastic wave scattering by irregular inclusions for shear wave elastography. <i>Journal of the Acoustical Society of America</i> , 2017, 142, 2346-2364.	0.5	5

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55	Protocol for Robust In Vivo Measurements of Erythrocyte Aggregation Using Ultrasound Spectroscopy. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 2871-2881.	0.7	6
56	Influence of erythrocyte aggregation on radial migration of platelet-sized spherical particles in shear flow. <i>Journal of Biomechanics</i> , 2017, 61, 26-33.	0.9	3
57	Carotid Artery Plaque Vulnerability Assessment Using Noninvasive Ultrasound Elastography: Validation With MRI. <i>American Journal of Roentgenology</i> , 2017, 209, 142-151.	1.0	48
58	Detection of Steatohepatitis in a Rat Model by Using Spectroscopic Shear-Wave US Elastography. <i>Radiology</i> , 2017, 282, 726-733.	3.6	13
59	Abdominal aortic aneurysm follow-up by shear wave elasticity imaging after endovascular repair in a canine model. <i>European Radiology</i> , 2017, 27, 2161-2169.	2.3	7
60	Noninvasive Vascular Modulography Method for Imaging the Local Elasticity of Atherosclerotic Plaques: Simulation and In Vitro Vessel Phantom Study. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2017, 64, 1805-1817.	1.7	18
61	Ultrafast myocardial elastography using coherent compounding of diverging waves during simulated exercise. , 2017, , .		0
62	Ultrafast myocardial elastography using coherent compounding of diverging waves during simulated stress tests: An in vitro study. , 2017, , .		2
63	Assessment of Inter-Expert Variability and of an Automated Segmentation Method of 40 and 60 MHz IVUS Images of Coronary Arteries. <i>PLoS ONE</i> , 2017, 12, e0168332.	1.1	5
64	Coherent and incoherent ultrasound backscatter from cells in aggregated conformation. , 2016, , .		1
65	Effective Medium Theory combined with a polydisperse Structure Factor Model for characterizing red blood cell aggregation. , 2016, , .		1
66	Homodyned K-distribution parametric maps combined with elastograms for carotid artery plaque assessment. , 2016, , .		2
67	Generation of shear waves by laser in soft media in the ablative and thermoelastic regimes. <i>Applied Physics Letters</i> , 2016, 109, 2219011-2219015.	1.5	16
68	Ultrasound viscoelasticity assessment using an adaptive torsional shear wave propagation method. <i>Medical Physics</i> , 2016, 43, 1603-1614.	1.6	7
69	A modified affine phase-based estimator for non-invasive vascular ultrasound elastography using coherent plane wave compounding and transverse oscillation imaging. , 2016, , .		1
70	Segmentation of blood layers with particle image velocimetry (PIV) for reproducible in vivo characterization of erythrocyte aggregation. , 2016, , .		3
71	The Imaging Modulography Technique Revisited for High-Definition Intravascular Ultrasound: Theoretical Framework. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 727-741.	0.7	13
72	Unifying Concepts of Statistical and Spectral Quantitative Ultrasound Techniques. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 488-500.	5.4	43

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73	Endovascular Repair of Abdominal Aortic Aneurysm: Follow-up with Noninvasive Vascular Elastography in a Canine Model. <i>Radiology</i> , 2016, 279, 410-419.	3.6	5
74	In Vivo Venous Assessment of Red Blood Cell Aggregate Sizes in Diabetic Patients with a Quantitative Cellular Ultrasound Imaging Method: Proof of Concept. <i>PLoS ONE</i> , 2015, 10, e0124712.	1.1	17
75	Ultrasound Elastography and MR Elastography for Assessing Liver Fibrosis: Part 1, Principles and Techniques. <i>American Journal of Roentgenology</i> , 2015, 205, 22-32.	1.0	159
76	Ultrasound Elastography and MR Elastography for Assessing Liver Fibrosis: Part 2, Diagnostic Performance, Confounders, and Future Directions. <i>American Journal of Roentgenology</i> , 2015, 205, 33-40.	1.0	164
77	Cost-utility analysis of nonalcoholic steatohepatitis screening. <i>European Radiology</i> , 2015, 25, 3282-3294.	2.3	51
78	Experimental Application of Ultrafast Imaging to Spectral Tissue Characterization. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 2506-2519.	0.7	16
79	Value of C-Arm Computed Tomography to Evaluate Stent Deployment During Femoro-Popliteal Revascularization. <i>CardioVascular and Interventional Radiology</i> , 2015, 38, 1458-1467.	0.9	0
80	Noninvasive Vascular Elastography With Plane Strain Incompressibility Assumption Using Ultrafast Coherent Compound Plane Wave Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 2618-2631.	5.4	60
81	Effects of Pulsatile Fatigue on In Situ Antegrade Fenestrated Polyester Stent Grafts Deployed in a Patient-Specific Phantom Model of Juxtarenal Aortic Aneurysm. <i>Journal of Vascular and Interventional Radiology</i> , 2015, 26, 1551-1558.	0.2	14
82	The Added Value of Statistical Modeling of Backscatter Properties in the Management of Breast Lesions at US. <i>Radiology</i> , 2015, 275, 666-674.	3.6	39
83	Non-Invasive Determination of Left Ventricular Workload in Patients with Aortic Stenosis Using Magnetic Resonance Imaging and Doppler Echocardiography. <i>PLoS ONE</i> , 2014, 9, e86793.	1.1	35
84	Experimental validation of plane wave imaging using k-space beamforming for spectral characterization of isotropic media. , 2014, , .		1
85	The effect of frequency adaptation according to the attenuation coefficient and focus depth on radiation force amplitude and estimated displacements. , 2014, , .		0
86	Development of a Photoacoustic, Ultrasound and Fluorescence Imaging Catheter for the Study of Atherosclerotic Plaque. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2014, 8, 696-703.	2.7	36
87	A sequential Bayesian based method for tracking and strain palpography estimation of arteries in intravascular ultrasound images. , 2014, , .		2
88	Nyquist velocity extension in ultrafast color Doppler. , 2014, , .		0
89	Carotid plaque assessment using non-invasive shear strain elastography. , 2014, , .		0
90	Time-dependent hardening of blood clots quantitatively measured in vivo with shear-wave ultrasound imaging in a rabbit model of venous thrombosis. <i>Thrombosis Research</i> , 2014, 133, 265-271.	0.8	44

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91	Effect of coarctation of the aorta and bicuspid aortic valve on flow dynamics and turbulence in the aorta using particle image velocimetry. <i>Experiments in Fluids</i> , 2014, 55, 1.	1.1	26
92	Segmentation method of intravascular ultrasound images of human coronary arteries. <i>Computerized Medical Imaging and Graphics</i> , 2014, 38, 91-103.	3.5	38
93	A Proof of Convergence of the Horn-Schunck Optical Flow Algorithm in Arbitrary Dimension. <i>SIAM Journal on Imaging Sciences</i> , 2014, 7, 277-293.	1.3	10
94	Endovascular Shear Strain Elastography for the Detection and Characterization of the Severity of Atherosclerotic Plaques: In Vitro Validation and In Vivo Evaluation. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 890-903.	0.7	43
95	Coronary artery atherectomy reduces plaque shear strains: An endovascular elastography imaging study. <i>Atherosclerosis</i> , 2014, 235, 140-149.	0.4	16
96	A local angle compensation method based on kinematics constraints for non-invasive vascular axial strain computations on human carotid arteries. <i>Computerized Medical Imaging and Graphics</i> , 2014, 38, 123-136.	3.5	21
97	Standardized evaluation methodology and reference database for evaluating IVUS image segmentation. <i>Computerized Medical Imaging and Graphics</i> , 2014, 38, 70-90.	3.5	105
98	Estimation Method of the Homodyned K-Distribution Based on the Mean Intensity and Two Log-Moments. <i>SIAM Journal on Imaging Sciences</i> , 2013, 6, 1499-1530.	1.3	71
99	Characterisation of carotid plaques with ultrasound elastography: feasibility and correlation with high-resolution magnetic resonance imaging. <i>European Radiology</i> , 2013, 23, 2030-2041.	2.3	57
100	A direct vulnerable atherosclerotic plaque elasticity reconstruction method based on an original material-finite element formulation: theoretical framework. <i>Physics in Medicine and Biology</i> , 2013, 58, 8457-8476.	1.6	9
101	Radial shear strain elastography imaging of carotid atherosclerotic plaques in a porcine model. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	0
102	Dynamic quantitative ultrasound imaging of mimicked breast lesions during shear wave propagation to emphasize differences in tissue statistical backscatter properties. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	0
103	Improvement of an intravascular ultrasound (IVUS) elasticity modulus imaging approach for detecting vulnerable atherosclerotic plaques. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	0
104	Optimization of the strain tensor estimation for cross sectional non-invasive elastography of the carotid using plane wave imaging. , 2012, , .		1
105	Shear wave propagation modulates quantitative ultrasound K-distribution echo envelope model statistics in homogeneous viscoelastic phantoms. , 2012, , .		0
106	Fourier f-k migration for plane wave ultrasound imaging: Theoretical framework. , 2012, , .		1
107	Vector flow mapping using plane wave ultrasound imaging. , 2012, , .		8
108	Real-time processing in dynamic ultrasound elastography: A GPU-based implementation using CUDA. , 2012, , .		5

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109	Segmentation of Plaques in Sequences of Ultrasonic B-Mode Images of Carotid Arteries Based on Motion Estimation and a Bayesian Model. IEEE Transactions on Biomedical Engineering, 2011, 58, 2202-2211.	2.5	87
110	Viscoelastic characterization of an elliptic structure in dynamic elastography imaging using a semi-analytical shear wave scattering model. , 2011, , .		0
111	Doppler vortography - Detection and quantification of the vortices in the left ventricle. , 2011, , .		0
112	Segmentation of atherosclerotic plaque components in ultrasonic B-mode images using a multiphase Bayesian level-set. , 2011, , .		0
113	An effective medium model for ultrasound blood characterization. , 2011, , .		2
114	A Critical Review and Uniformized Representation of Statistical Distributions Modeling the Ultrasound Echo Envelope. Ultrasound in Medicine and Biology, 2010, 36, 1037-1051.	0.7	164
115	In-vivo and real-time ultrasonic monitoring of red blood cell aggregation with the structure factor size and attenuation estimator during and after cardiopulmonary bypass surgery in swine. , 2010, , .		0
116	Fast marching segmentation of three-dimensional intravascular ultrasound images: A pre- and post-intervention study. Medical Physics, 2010, 37, 3633-3647.	1.6	43
117	Shear wave induced resonance elastography of breast tumors. , 2010, , .		1
118	<i>In vitro</i> in-stent restenoses evaluated by 3D ultrasound. Medical Physics, 2009, 36, 513-522.	1.6	7
119	Segmentation of plaques in sequences of ultrasonic B-mode images of carotid arteries based on motion estimation and Nakagami distributions. , 2009, , .		4
120	Vulnerable Atherosclerotic Plaque Elasticity Reconstruction Based on a Segmentation-Driven Optimization Procedure Using Strain Measurements: Theoretical Framework. IEEE Transactions on Medical Imaging, 2009, 28, 1126-1137.	5.4	72
121	In vivo ultrasound characterization of red blood cell aggregation using the Structure Factor Size and Attenuation Estimator. , 2009, , .		5
122	Performance evaluation of a medical robotic 3D-ultrasound imaging system. Medical Image Analysis, 2008, 12, 275-290.	7.0	38
123	Characterization of Atherosclerotic Plaques and Mural Thrombi With Intravascular Ultrasound Elastography: A Potential Method Evaluated in an Aortic Rabbit Model and a Human Coronary Artery. IEEE Transactions on Information Technology in Biomedicine, 2008, 12, 290-298.	3.6	33
124	Increased Shear Rate Resistance and Fastest Kinetics of Erythrocyte Aggregation in Diabetes Measured With Ultrasound. Diabetes Care, 2008, 31, 1400-1402.	4.3	37
125	Effect of depth of correlation on cross-correlation blood flow measurements in glass microchannels. , 2008, , .		2
126	Viscoelastic characterization of soft tissues by Dynamic Micro-Elastography (DME) in the frequency range of 300-1500 Hz. , 2008, , .		2

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127	Dynamic micro-elastography applied to the viscoelastic characterization of a mimicking artery and a porcine aorta. , 2008, , .		1
128	Noninvasive vascular ultrasound elastography applied to the characterization of experimental aneurysms and follow-up after endovascular repair. Physics in Medicine and Biology, 2008, 53, 6475-6490.	1.6	20
129	Ultrasound backscattering by three-dimensional distributions of aggregated red blood cells: A Monte Carlo study. , 2008, , .		3
130	Performance evaluation of different implementations of the Lagrangian speckle model estimator for non-invasive vascular ultrasound elastography. Medical Physics, 2008, 35, 3116-3126.	1.6	29
131	Shear wave induced resonance: A new excitation mode for dynamic elastography imaging. , 2008, , .		0
132	Non Invasive Evaluation of Cardiac Dysfunction in β -thalassemic Mice. FASEB Journal, 2008, 22, 970.27.	0.2	0
133	Estimation of polyvinyl alcohol cryogel mechanical properties with four ultrasound elastography methods and comparison with gold standard testings. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 498-509.	1.7	171
134	Intravascular ultrasound image segmentation: a three-dimensional fast-marching method based on gray level distributions. IEEE Transactions on Medical Imaging, 2006, 25, 590-601.	5.4	122
135	Non-invasive high-frequency vascular ultrasound elastography. Physics in Medicine and Biology, 2005, 50, 1611-1628.	1.6	89
136	Automatic 3D Segmentation of Intravascular Ultrasound Images Using Region and Contour Information. Lecture Notes in Computer Science, 2005, 8, 319-326.	1.0	6
137	Non-Gaussian statistics and temporal variations of the ultrasound signal backscattered by blood at frequencies between 10 and 58 MHz. Journal of the Acoustical Society of America, 2004, 116, 566-577.	0.5	46
138	Noninvasive Vascular Elastography: Theoretical Framework. IEEE Transactions on Medical Imaging, 2004, 23, 164-180.	5.4	146
139	A multimodality vascular imaging phantom with fiducial markers visible in DSA, CTA, MRA, and ultrasound. Medical Physics, 2004, 31, 1424-1433.	1.6	39
140	A new clutter rejection algorithm for doppler ultrasound. IEEE Transactions on Medical Imaging, 2003, 22, 530-538.	5.4	35
141	A novel realistic three-layer phantom for intravascular ultrasound imaging. International Journal of Cardiovascular Imaging, 2001, 17, 371-381.	0.2	17
142	A point process approach to assess the frequency dependence of ultrasound backscattering by aggregating red blood cells. Journal of the Acoustical Society of America, 2001, 110, 3252-3262.	0.5	61
143	Ultrasound Backscattering from Non-Aggregating and Aggregating Erythrocytes-A Review. Biorheology, 1997, 34, 443-470.	1.2	81