Carol C Mitchell

List of Publications by Year
in descending order

48 papers	2,256 citations	393982 19 h-index	301761 39 g-index
48 all docs	48 docs citations	48 times ranked	3172 citing authors

#	Article	IF	Citations
1	Guidelines for Performing a Comprehensive Transthoracic Echocardiographic Examination in Adults: Recommendations from the American Society of Echocardiography. Journal of the American Society of Echocardiography, 2019, 32, 1-64.	1.2	1,208
2	ASE Statement on Protection of Patients and Echocardiography Service Providers During the 2019 Novel Coronavirus Outbreak: Endorsed by the American College of Cardiology. Journal of the American Society of Echocardiography, 2020, 33, 648-653.	1.2	174
3	ASE Statement on Protection of Patients and Echocardiography Service Providers During the 2019 Novel Coronavirus Outbreak. Journal of the American College of Cardiology, 2020, 75, 3078-3084.	1.2	125
4	Preliminaryin vivoatherosclerotic carotid plaque characterization using the accumulated axial strain and relative lateral shift strain indices. Physics in Medicine and Biology, 2008, 53, 6377-6394.	1.6	92
5	Histopathologic Validation of Grayscale Carotid Plaque Characteristics Related to Plaque Vulnerability. Ultrasound in Medicine and Biology, 2017, 43, 129-137.	0.7	58
6	Carotid atherosclerotic plaque instability and cognition determined by ultrasound-measured plaque strain in asymptomatic patients with significant stenosis. Journal of Neurosurgery, 2018, 128, 111-119.	0.9	54
7	Ultrasound carotid plaque features, cardiovascular disease risk factors and events: The Multi-Ethnic Study of Atherosclerosis. Atherosclerosis, 2018, 276, 195-202.	0.4	51
8	Correlation of Cognitive Function with Ultrasound Strain Indices in Carotid Plaque. Ultrasound in Medicine and Biology, 2014, 40, 78-89.	0.7	40
9	Classification of Symptomatic and Asymptomatic Patients with and without Cognitive Decline Using Non-invasive Carotid Plaque Strain Indices as Biomarkers. Ultrasound in Medicine and Biology, 2016, 42, 909-918.	0.7	38
10	The relationship between carotid artery plaque stability and white matter ischemic injury. NeuroImage: Clinical, 2015, 9, 216-222.	1.4	32
11	Impaired cognitive function in patients with atherosclerotic carotid stenosis and correlation with ultrasound strain measurements. Journal of the Neurological Sciences, 2012, 322, 20-24.	0.3	28
12	ASE Statement on the Reintroduction of Echocardiographic Services during the COVID-19 Pandemic. Journal of the American Society of Echocardiography, 2020, 33, 1034-1039.	1.2	28
13	Deep Learning for Carotid Plaque Segmentation using a Dilated U-Net Architecture. Ultrasonic Imaging, 2020, 42, 221-230.	1.4	27
14	A Practical Guide to Pediatric Coronary Artery Imaging with Echocardiography. Journal of the American Society of Echocardiography, 2015, 28, 379-391.	1.2	25
15	Cognitive Deficits in Symptomatic and Asymptomatic Carotid Endarterectomy Surgical Candidates. Archives of Clinical Neuropsychology, 2016, 31, 1-7.	0.3	25
16	The Preservation of Cognition 1 Year After Carotid Endarterectomy in Patients With Prior Cognitive Decline. Neurosurgery, 2018, 82, 322-328.	0.6	25
17	In vivo attenuation and equivalent scatterer size parameters for atherosclerotic carotid plaque: Preliminary results. Ultrasonics, 2009, 49, 779-785.	2.1	21
18	Carotid Artery Echolucency, Texture Features, and Incident Cardiovascular Disease Events: The MESA Study. Journal of the American Heart Association, 2019, 8, e010875.	1.6	21

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19	Carotid artery ultrasound texture, cardiovascular risk factors, and subclinical arterial disease: the Multi-Ethnic Study of Atherosclerosis (MESA). British Journal of Radiology, 2018, 91, 20170637.	1.0	20
20	Influence of Ultrasound System and Gain on Grayscale Median Values. Journal of Ultrasound in Medicine, 2019, 38, 307-319.	0.8	19
21	Specific Considerations for Sonographers When Performing Echocardiography during the 2019 Novel Coronavirus Outbreak: Supplement to the American Society of Echocardiography Statement. Journal of the American Society of Echocardiography, 2020, 33, 654-657.	1.2	18
22	Hierarchical Motion Estimation With Bayesian Regularization in Cardiac Elastography: Simulation and $In~ Vivo$ Validation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 1708-1722.	1.7	17
23	Asthma is associated with carotid arterial injury in children: The Childhood Origins of Asthma (COAST) Cohort. PLoS ONE, 2018, 13, e0204708.	1.1	15
24	Transcranial Doppler and Microemboli Detection: Relationships to Symptomatic Status and Histopathology Findings. Ultrasound in Medicine and Biology, 2017, 43, 1861-1867.	0.7	13
25	Echogenicity of the Carotid Arterial Wall in Active Smokers. Journal of Diagnostic Medical Sonography, 2018, 34, 161-168.	0.1	9
26	The Attempt to Standardize Technical and Analytic Competence in Sonography Education. Journal of Diagnostic Medical Sonography, 2011, 27, 203-211.	0.1	8
27	Protocol of Aerobic Exercise and Cognitive Health (REACH): A Pilot Study. Journal of Alzheimer's Disease Reports, 2020, 4, 107-121.	1.2	7
28	Grayscale Analysis of Carotid Plaque: An Overview. Journal of the American Society of Echocardiography, 2019, 32, A21-A22.	1.2	6
29	Enhancement of in vivo cardiac photoacoustic signal specificity using spatiotemporal singular value decomposition. Journal of Biomedical Optics, 2021, 26, .	1.4	6
30	Spatiotemporal Bayesian Regularization for Cardiac Strain Imaging: Simulation and In Vivo Results. IEEE Open Journal of Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 1, 21-36.	0.9	6
31	Changes in carotid artery structure with smoking cessation. Vascular Medicine, 2019, 24, 493-500.	0.8	5
32	Lagrangian carotid strain imaging indices normalized to blood pressure for vulnerable plaque. Journal of Clinical Ultrasound, 2019, 47, 477-485.	0.4	4
33	Carotid artery displacement and cardiovascular disease risk in the Multi-Ethnic Study of Atherosclerosis. Vascular Medicine, 2019, 24, 405-413.	0.8	4
34	Attenuation Coefficient Parameter Computations for Tissue Composition Assessment of Carotid Atherosclerotic Plaque in Vivo. Ultrasound in Medicine and Biology, 2020, 46, 1513-1532.	0.7	4
35	Effects of ultrasound technology advances on measurement of carotid intimaâ€“media thickness: A review. Vascular Medicine, 2021, 26, 81-85.	0.8	4
36	Murine cardiac fibrosis localization using adaptive Bayesian cardiac strain imaging in vivo. Scientific Reports, 2022, 12, .	1.6	4

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37	Carotid Plaque Strain Indices Were Correlated With Cognitive Performance in a Cohort With Advanced Atherosclerosis, and Traditional Doppler Measures Showed no Association. Journal of Ultrasound in Medicine, 2020, 39, 2033-2042.	0.8	3
38	In-vivo quantitative ultrasound evaluation of carotid plaque. , 2017, , .		2
39	Evaluating the effectiveness of a lower extremity venous phantom on developing ultrasound examination skills and confidence. Ultrasound, 2021, 29, 18-26.	0.3	2
40	Carotid Strain Imaging with a Locally Optimized Adaptive Bayesian Regularized Motion Tracking Algorithm. , 2020, , .		2
41	Ultrasound strain imaging using spatiotemporal Bayesian regularized multi-level block matching method. , 2021, , .		1
42	Abstract WMP47: Traditional Doppler Measures Do Not predict Cognition in a Cohort With Advanced Atherosclerosis. Stroke, 2019, 50, .	1.0	1
43	In vivo Apical Infarct Localization using Adaptive Bayesian Cardiac Strain Imaging. , 2021, , .		1
44	Coupled Sub-aperture and Spatiotemporal Singular Value Decomposition Processing for Cardiac Photoacoustic Imaging In Vivo. , 2021, , .		1
45	Bayesian Regularized Strain Imaging for Assessment of Murine Cardiac Function In vivo. , 2021, 2021, 2883-2886.		1
46	Development of a Duplex Ultrasound Protocol for Baseline and Follow-Up Imaging of a Branched Aortic Endoprosthesis. Journal for Vascular Ultrasound, 2021, 45, 158-175.	0.2	1
47	Update on carotid plaque instability quantification using strain indices from multiple regions of interest in carotid plaque. , 2017, , .		0
48	Grayscale Ultrasound Texture Features of Carotid and Brachial Arteries in People With HIV Infection Before and After Antiretroviral Therapy. Journal of the American Heart Association, 2022, 11, e024142.	1.6	0