

Anthony E Samir

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

3,181
citations

257357

24
h-index

161767

54
g-index

71
all docs

71
docs citations

71
times ranked

5178
citing authors

#	ARTICLE	IF	CITATIONS
1	Liver fibrosis assessment: MR and US elastography. <i>Abdominal Radiology</i> , 2022, 47, 3037-3050.	1.0	30
2	Non-Invasive Biomarkers of Nonalcoholic Steatohepatitis: the FNIH NIMBLE project. <i>Nature Medicine</i> , 2022, 28, 430-432.	15.2	33
3	Prior wavelet knowledge for multi-modal medical image segmentation using a lightweight neural network with attention guided features. <i>Expert Systems With Applications</i> , 2022, 209, 118166.	4.4	3
4	Variation of Shear Wave Elastography With Preload in the Thyroid. <i>Journal of Ultrasound in Medicine</i> , 2021, 40, 779-786.	0.8	3
5	Reply to "Biomarkers for High-Risk Nonalcoholic Fatty Liver Disease: Beyond Portal Venous Pulsatility Index". <i>American Journal of Roentgenology</i> , 2021, 216, W2-W2.	1.0	0
6	Radiological Society of North America/Quantitative Imaging Biomarker Alliance Shear Wave Speed Bias Quantification in Elastic and Viscoelastic Phantoms. <i>Journal of Ultrasound in Medicine</i> , 2021, 40, 569-581.	0.8	25
7	Efficient Binary Cnn For Medical Image Segmentation. , 2021, , .		4
8	Shear-Wave Elastography of the Breast: Impact of Technical Image Quality Parameters on Diagnostic Accuracy. <i>American Journal of Roentgenology</i> , 2021, 216, 1205-1215.	1.0	6
9	Cervical Extension of the Normal Thymus in Children and Adolescents. <i>Journal of Ultrasound in Medicine</i> , 2021, 40, 2361-2367.	0.8	0
10	Liver fibrosis imaging: A clinical review of ultrasound and magnetic resonance elastography. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 25-42.	1.9	53
11	Abdominal Imaging Findings in COVID-19: Preliminary Observations. <i>Radiology</i> , 2020, 297, E207-E215.	3.6	251
12	Renal Volume Estimation Using Freehand Ultrasound Scans: An Ex Vivo Demonstration. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 1769-1782.	0.7	8
13	Magnetic resonance imaging/transrectal ultrasonography fusion guided seed placement in a phantom: Accuracy between 2-seed versus 1-seed strategies. <i>European Journal of Radiology</i> , 2020, 129, 109126.	1.2	0
14	[18F]-Alfatide PET imaging of integrin $\alpha_5\beta_1$ for the non-invasive quantification of liver fibrosis. <i>Journal of Hepatology</i> , 2020, 73, 161-169.	1.8	17
15	Image Processing Pipeline for Liver Fibrosis Classification Using Ultrasound Shear Wave Elastography. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 2667-2676.	0.7	10
16	Portal Venous Pulsatility Index: A Novel Biomarker for Diagnosis of High-Risk Nonalcoholic Fatty Liver Disease. <i>American Journal of Roentgenology</i> , 2020, 214, 786-791.	1.0	20
17	Diagnostic Accuracy of Shear Wave Elastography as a Non-invasive Biomarker of High-Risk Non-alcoholic Steatohepatitis in Patients with Non-alcoholic Fatty Liver Disease. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 972-980.	0.7	10
18	Differentiation of regenerative nodule, dysplastic nodule, and small hepatocellular carcinoma in cirrhotic patients: a contrast-enhanced ultrasound-based multivariable model analysis. <i>European Radiology</i> , 2020, 30, 4741-4751.	2.3	9

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19	Bone Health Assessment using Synthetic Aperture Ultrasound Reflectometry. , 2020, , .		0
20	Diagnostic Performance of Shear Wave Elastography in Patients With Autoimmune Liver Disease. Journal of Ultrasound in Medicine, 2019, 38, 103-111.	0.8	6
21	Predictive Value of Duplex Ultrasound for Significant In-Stent Restenosis after Percutaneous Transluminal Renal Artery Stent Placement: A Propensity Score Matching Analysis. Ultrasound in Medicine and Biology, 2019, 45, 913-920.	0.7	1
22	A Low-Cost Highly Configurable Phantom for Simulation of Imaging-Guided Endocavitary Procedures. Ultrasound Quarterly, 2019, 35, 61-67.	0.3	2
23	Non-Contact laser ultrasound (N-CLUS) system for medical imaging and elastography. , 2019, , .		5
24	Imaging-Related Risk Factors for Bleeding Complications of US-Guided Native Renal Biopsy: A Propensity Score Matching Analysis. Journal of Vascular and Interventional Radiology, 2019, 30, 87-94.	0.2	7
25	Machine learning for medical ultrasound: status, methods, and future opportunities. Abdominal Radiology, 2018, 43, 786-799.	1.0	161
26	Principles of ultrasound elastography. Abdominal Radiology, 2018, 43, 773-785.	1.0	163
27	Essentials of Statistical Methods for Assessing Reliability and Agreement in Quantitative Imaging. Academic Radiology, 2018, 25, 391-396.	1.3	23
28	Experimental Validation of Longitudinal Speed of Sound Estimates in the Diagnosis of Hepatic Steatosis (Part II). Ultrasound in Medicine and Biology, 2018, 44, 2749-2758.	0.7	16
29	Current status of imaging in nonalcoholic fatty liver disease. World Journal of Hepatology, 2018, 10, 530-542.	0.8	166
30	Surgery for Obesity and Related Diseases: I. A Novel Approach to the Quantification of the Longitudinal Speed of Sound and Its Potential for Tissue Characterization. Ultrasound in Medicine and Biology, 2018, 44, 2739-2748.	0.7	15
31	Quantitative Hepatic Fat Quantification in Non-alcoholic Fatty Liver Disease Using Ultrasound-Based Techniques: A Review of Literature and Their Diagnostic Performance. Ultrasound in Medicine and Biology, 2018, 44, 2461-2475.	0.7	80
32	Current Applications and Future Impact of Machine Learning in Radiology. Radiology, 2018, 288, 318-328.	3.6	541
33	The Role of Imaging in Prostate Cancer Care Pathway: Novel Approaches to Urologic Management Challenges Along 10 Imaging Touch Points. Urology, 2018, 119, 23-31.	0.5	6
34	Ultrasound Shear Wave Elastography: Variations of Liver Fibrosis Assessment as a Function of Depth, Force and Distance from Central Axis of the Transducer with a Comparison of Different Systems. Ultrasound in Medicine and Biology, 2018, 44, 2209-2222.	0.7	13
35	Navigational Guidance and Ablation Planning Tools for Interventional Radiology. Current Problems in Diagnostic Radiology, 2017, 46, 225-233.	0.6	22
36	Aorta-Lesion-Attenuation-Difference (ALAD) on contrast-enhanced CT: a potential imaging biomarker for differentiating malignant from benign oncocytic neoplasms. Abdominal Radiology, 2017, 42, 1734-1743.	1.0	11

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37	Evaluation of hepatic fibrosis: a review from the society of abdominal radiology disease focus panel. <i>Abdominal Radiology</i> , 2017, 42, 2037-2053.	1.0	102
38	Validation of Shear Wave Elastography Cutoff Values on the Supersonic Aixplorer for Practical Clinical Use in Liver Fibrosis Staging. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 1125-1133.	0.7	19
39	Imaging and Screening of Thyroid Cancer. <i>Radiologic Clinics of North America</i> , 2017, 55, 1261-1271.	0.9	10
40	The Value of Active Ultrasound Surveillance for Patients With Small Testicular Lesions. <i>Ultrasound Quarterly</i> , 2017, 33, 23-27.	0.3	11
41	A pilot study to precisely quantify forces applied by sonographers while scanning: A step toward reducing ergonomic injury. <i>Work</i> , 2017, 58, 241-247.	0.6	33
42	The role and value of ultrasound elastography in the evaluation of thyroid nodules. <i>Cancer Cytopathology</i> , 2016, 124, 765-766.	1.4	3
43	Reliability of Shear-Wave Elastography Estimates of the Young Modulus of Tissue in Follicular Thyroid Neoplasms. <i>American Journal of Roentgenology</i> , 2016, 206, 609-616.	1.0	14
44	RSNA QIBA ultrasound shear wave speed Phase II phantom study in viscoelastic media. , 2015, , .		33
45	Feasibility study for assessing liver fibrosis in paediatric and adolescent patients using real-time shear wave elastography. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2015, 59, 687-694.	0.9	27
46	Detection and Measurement of Stones With Ultrasound Strain Elastography. <i>Ultrasound Quarterly</i> , 2015, 31, 272-278.	0.3	1
47	A Primer on the Physical Principles of Tissue Harmonic Imaging. <i>Radiographics</i> , 2015, 35, 1955-1964.	1.4	65
48	Ultrasound elastography: liver. <i>Abdominal Imaging</i> , 2015, 40, 698-708.	2.0	24
49	Prospective Trial with Optical Molecular Imaging for Percutaneous Interventions in Focal Hepatic Lesions. <i>Radiology</i> , 2015, 274, 917-926.	3.6	23
50	Shear-Wave Elastography for the Estimation of Liver Fibrosis in Chronic Liver Disease: Determining Accuracy and Ideal Site for Measurement. <i>Radiology</i> , 2015, 274, 888-896.	3.6	153
51	Clinical application of sonoelastography in thyroid, prostate, kidney, pancreas, and deep venous thrombosis. <i>Abdominal Imaging</i> , 2015, 40, 709-722.	2.0	22
52	Shear-Wave Elastography for the Preoperative Risk Stratification of Follicular-patterned Lesions of the Thyroid: Diagnostic Accuracy and Optimal Measurement Plane. <i>Radiology</i> , 2015, 277, 565-573.	3.6	107
53	Shear wave elastography in chronic kidney disease: a pilot experience in native kidneys. <i>BMC Nephrology</i> , 2015, 16, 119.	0.8	96
54	Statistics 101 for Radiologists. <i>Radiographics</i> , 2015, 35, 1789-1801.	1.4	37

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55	Relationship Between Sonographic Characteristics and Afirma Gene Expression Classifier Results in Thyroid Nodules With Indeterminate Fine-Needle Aspiration Cytopathology. <i>American Journal of Roentgenology</i> , 2015, 205, 861-865.	1.0	16
56	Amyloidosis of the liver on shear wave elastography: case report and review of literature. <i>Abdominal Imaging</i> , 2015, 40, 3078-3083.	2.0	17
57	Contrast-Enhanced Ultrasound: A Novel Noninvasive, Nonionizing Method for the Detection of Brown Adipose Tissue in Humans. <i>Journal of the American Society of Echocardiography</i> , 2015, 28, 1247-1254.	1.2	43
58	RSNA/QIBA: Shear wave speed as a biomarker for liver fibrosis staging. , 2013, , .		52
59	Diagnostic Yield of Nondiagnostic Thyroid Nodules Is Not Altered by Timing of Repeat Biopsy. <i>Thyroid</i> , 2012, 22, 590-594.	2.4	44
60	Echinococcal Cysts of the Liver and Spleen. <i>Ultrasound Quarterly</i> , 2012, 28, 205-207.	0.3	4
61	Qualitative Assessment of Enhancement in a Renal Mass. <i>Journal of Computer Assisted Tomography</i> , 2012, 36, 381-387.	0.5	2
62	Ultrasound-Guided Percutaneous Thyroid Nodule Core Biopsy: Clinical Utility in Patients with Prior Nondiagnostic Fine-Needle Aspirate. <i>Thyroid</i> , 2012, 22, 461-467.	2.4	97
63	Decision Support for Radiologist Report Recommendations. <i>Journal of the American College of Radiology</i> , 2011, 8, 819-823.	0.9	35
64	Radiofrequency ablation of hepatic tumours: effect of post-ablation margin on local tumour progression. <i>European Radiology</i> , 2010, 20, 877-885.	2.3	76
65	Fine-Needle Aspiration Biopsy of Thyroid Nodules: Experience in a Cohort of 944 Patients. <i>American Journal of Roentgenology</i> , 2009, 193, 1175-1179.	1.0	77
66	Protecting the Ureter during Radiofrequency Ablation of Renal Cell Cancer: A Pilot Study of Retrograde Pyeloperfusion with Cooled Dextrose 5% in Water. <i>Journal of Vascular and Interventional Radiology</i> , 2008, 19, 1034-1040.	0.2	108
67	Evaluation of Renal Masses. <i>Journal of the American College of Radiology</i> , 2008, 5, 857-860.	0.9	1
68	Optimal Arterial Phase Imaging for Detection of Hypervascular Hepatocellular Carcinoma Determined by Continuous Image Capture on 16-MDCT. <i>American Journal of Roentgenology</i> , 2008, 191, 772-777.	1.0	17
69	Pixel Distribution Analysis: Can It be Used to Distinguish Clear Cell Carcinomas from Angiomyolipomas with Minimal Fat?. <i>Radiology</i> , 2008, 247, 738-746.	3.6	77
70	Case 27-2008. <i>New England Journal of Medicine</i> , 2008, 359, 951-960.	13.9	14