Luca Saba

List of Publications by Year
in descending order

384 papers	11,018 citations	41344 49 h-index	71685 76 g-index
390 all docs	390 docs citations	390 times ranked	8471 citing authors

#	Article	IF	Citations
1	Imaging biomarkers of vulnerable carotid plaques for stroke risk prediction and their potential clinical implications. Lancet Neurology, The, 2019, 18, 559-572.	10.2	279
2	A Review on a Deep Learning Perspective in Brain Cancer Classification. Cancers, 2019, 11, 111.	3.7	253
3	The present and future of deep learning in radiology. European Journal of Radiology, 2019, 114, 14-24.	2.6	229
4	Carotid Artery Wall Imaging: Perspective and Guidelines from the ASNR Vessel Wall Imaging Study Group and Expert Consensus Recommendations of the American Society of Neuroradiology. American Journal of Neuroradiology, 2018, 39, E9-E31.	2.4	213
5	CT and Ultrasound in the Study of Ulcerated Carotid Plaque Compared with Surgical Results: Potentialities and Advantages of Multidetector Row CT Angiography. American Journal of Neuroradiology, 2007, 28, 1061-1066.	2.4	193
6	Cerebral Small Vessel Disease: A Review Focusing on Pathophysiology, Biomarkers, and Machine Learning Strategies. Journal of Stroke, 2018, 20, 302-320.	3.2	182
7	A deep look into radiomics. Radiologia Medica, 2021, 126, 1296-1311.	7.7	176
8	Atherosclerotic Risk Stratification Strategy for Carotid Arteries Using Texture-Based Features. Ultrasound in Medicine and Biology, 2012, 38, 899-915.	1.5	168
9	Mature and immature ovarian teratomas: CT, US and MR imaging characteristics. European Journal of Radiology, 2009, 72, 454-463.	2.6	152
10	Imaging of Neurologic Disease in Hospitalized Patients with COVID-19: An Italian Multicenter Retrospective Observational Study. Radiology, 2020, 297, E270-E273.	7.3	149
11	Symtosis: A liver ultrasound tissue characterization and risk stratification in optimized deep learning paradigm. Computer Methods and Programs in Biomedicine, 2018, 155, 165-177.	4.7	136
12	Multiclass magnetic resonance imaging brain tumor classification using artificial intelligence paradigm. Computers in Biology and Medicine, 2020, 122, 103804.	7.0	134
13	State-of-the-art review on deep learning in medical imaging. Frontiers in Bioscience - Landmark, 2019, 24, 392-426.	3.0	122
14	Automated stratification of liver disease in ultrasound: An online accurate feature classification paradigm. Computer Methods and Programs in Biomedicine, 2016, 130, 118-134.	4.7	121
15	Symptomatic vs. Asymptomatic Plaque Classification in Carotid Ultrasound. Journal of Medical Systems, 2012, 36, 1861-1871.	3.6	105
16	Imaging of the Carotid Artery Vulnerable Plaque. CardioVascular and Interventional Radiology, 2014, 37, 572-585.	2.0	102
17	Completely Automated Multiresolution Edge Snapper—A New Technique for an Accurate Carotid Ultrasound IMT Measurement: Clinical Validation and Benchmarking on a Multi-Institutional Database. IEEE Transactions on Image Processing, 2012, 21, 1211-1222.	9.8	101
18	Extreme Learning Machine Framework for Risk Stratification of Fatty Liver Disease Using Ultrasound Tissue Characterization. Journal of Medical Systems, 2017, 41, 152.	3.6	95

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19	Diagnostic accuracy of colour Doppler ultrasonography, CT angiography and blood-pool-enhanced MR angiography in assessing carotid stenosis: a comparative study with DSA in 170 patients. Radiologia Medica, 2012, 117, 54-71.	7.7	87
20	Artificial intelligence-based hybrid deep learning models for image classification: The first narrative review. Computers in Biology and Medicine, 2021, 137, 104803.	7.0	81
21	COVID-19 pathways for brain and heart injury in comorbidity patients: A role of medical imaging and artificial intelligence-based COVID severity classification: A review. Computers in Biology and Medicine, 2020, 124, 103960.	7.0	79
22	Hybrid deep learning segmentation models for atherosclerotic plaque in internal carotid artery B-mode ultrasound. Computers in Biology and Medicine, 2021, 136, 104721.	7.0	73
23	An Accurate and Generalized Approach to Plaque Characterization in 346 Carotid Ultrasound Scans. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 1045-1053.	4.7	71
24	MRI and "Tenderness Guided" transvaginal ultrasonography in the diagnosis of recto-sigmoid endometriosis. Journal of Magnetic Resonance Imaging, 2012, 35, 352-360.	3.4	71
25	Clinical study of peroneal artery perforators with computed tomographic angiography: implications for fibular flap harvest. Surgical and Radiologic Anatomy, 2010, 32, 329-334.	1.2	70
26	Improved Correlation between Carotid and Coronary Atherosclerosis SYNTAX Score Using Automated Ultrasound Carotid Bulb Plaque IMT Measurement. Ultrasound in Medicine and Biology, 2015, 41, 1247-1262.	1.5	69
27	Deep learning strategy for accurate carotid intima-media thickness measurement: An ultrasound study on Japanese diabetic cohort. Computers in Biology and Medicine, 2018, 98, 100-117.	7.0	68
28	PCA-based polling strategy in machine learning framework for coronary artery disease risk assessment in intravascular ultrasound: A link between carotid and coronary grayscale plaque morphology. Computer Methods and Programs in Biomedicine, 2016, 128, 137-158.	4.7	67
29	Performance of a deep learning algorithm for the evaluation of CAD-RADS classification with CCTA. Atherosclerosis, 2020, 294, 25-32.	0.8	67
30	Association Between Carotid Artery Plaque Volume, Composition, and Ulceration: A Retrospective Assessment With MDCT. American Journal of Roentgenology, 2012, 199, 151-156.	2.2	66
31	A comparison between NASCET and ECST methods in the study of carotids. European Journal of Radiology, 2010, 76, 42-47.	2.6	65
32	Rheumatoid Arthritis: Atherosclerosis Imaging and Cardiovascular Risk Assessment Using Machine and Deep Learning–Based Tissue Characterization. Current Atherosclerosis Reports, 2019, 21, 7.	4.8	64
33	Imaging of the carotid artery. Atherosclerosis, 2012, 220, 294-309.	0.8	63
34	Percutaneous vertebroplasty: Multi-centric results from EVEREST experience in large cohort of patients. European Journal of Radiology, 2012, 81, 4083-4086.	2.6	63
35	Stroke Risk Stratification and its Validation using Ultrasonic Echolucent Carotid Wall Plaque Morphology: A Machine Learning Paradigm. Computers in Biology and Medicine, 2017, 80, 77-96.	7.0	63
36	Plaque Tissue Morphology-Based Stroke Risk Stratification Using Carotid Ultrasound: A Polling-Based PCA Learning Paradigm. Journal of Medical Systems, 2017, 41, 98.	3.6	61

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37	Integrative analysis for COVID-19 patient outcome prediction. Medical Image Analysis, 2021, 67, 101844.	11.6	57
38	An artificial intelligence framework and its bias for brain tumor segmentation: A narrative review. Computers in Biology and Medicine, 2022, 143, 105273.	7.0	57
39	Liver Metastases From Colorectal Cancer Treated With Conventional and Antiangiogenetic Chemotherapy. Journal of Computer Assisted Tomography, 2011, 35, 690-696.	0.9	56
40	Automatic Lung Segmentation Using Control Feedback System: Morphology and Texture Paradigm. Journal of Medical Systems, 2015, 39, 22.	3.6	56
41	CT Attenuation Analysis of Carotid Intraplaque Hemorrhage. American Journal of Neuroradiology, 2018, 39, 131-137.	2.4	56
42	Noninvasive Therapy for Osteoid Osteoma: A Prospective Developmental Study with MR Imagingâ€"guided High-Intensity Focused Ultrasound. Radiology, 2017, 285, 186-196.	7.3	55
43	Venous and arterial thromboembolic events with immune checkpoint inhibitors: A systematic review. Thrombosis Research, 2020, 196, 444-453.	1.7	55
44	GyneScan: An Improved Online Paradigm for Screening of Ovarian Cancer via Tissue Characterization. Technology in Cancer Research and Treatment, 2014, 13, 529-539.	1.9	54
45	A Survey on Coronary Atherosclerotic Plaque Tissue Characterization in Intravascular Optical Coherence Tomography. Current Atherosclerosis Reports, 2018, 20, 33.	4.8	54
46	A low-cost machine learning-based cardiovascular/stroke risk assessment system: integration of conventional factors with image phenotypes. Cardiovascular Diagnosis and Therapy, 2019, 9, 420-430.	1.7	54
47	Deep learning fully convolution network for lumen characterization in diabetic patients using carotid ultrasound: a tool for stroke risk. Medical and Biological Engineering and Computing, 2019, 57, 543-564.	2.8	54
48	A Novel Block Imaging Technique Using Nine Artificial Intelligence Models for COVID-19 Disease Classification, Characterization and Severity Measurement in Lung Computed Tomography Scans on an Italian Cohort. Journal of Medical Systems, 2021, 45, 28.	3.6	53
49	Window Settings for the Study of Calcified Carotid Plaques with Multidetector CT Angiography. American Journal of Neuroradiology, 2009, 30, 1445-1450.	2.4	52
50	Ultrasound IMT measurement on a multi-ethnic and multi-institutional database: Our review and experience using four fully automated and one semi-automated methods. Computer Methods and Programs in Biomedicine, 2012, 108, 946-960.	4.7	52
51	3-D optimized classification and characterization artificial intelligence paradigm for cardiovascular/stroke risk stratification using carotid ultrasound-based delineated plaque: Atheromaticâ„¢ 2.0. Computers in Biology and Medicine, 2020, 125, 103958.	7.0	52
52	Multidetector-row CT angiography in the study of atherosclerotic carotid arteries. Neuroradiology, 2007, 49, 623-637.	2.2	51
53	Association between carotid plaque enhancement shown by multidetector CT angiography and histologically validated microvessel density. European Radiology, 2012, 22, 2237-2245.	4.5	51
54	Immunotherapy Associated Pulmonary Toxicity: Biology Behind Clinical and Radiological Features. Cancers, 2019, 11, 305.	3.7	51

4

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55	Carotid Artery Abnormalities and Leukoaraiosis in Elderly Patients: Evaluation with MDCT. American Journal of Roentgenology, 2009, 192, W63-W70.	2.2	49
56	Current state of the art in perforator flap imaging with computed tomographic angiography. Surgical and Radiologic Anatomy, 2009, 31, 631-639.	1.2	48
57	Multidetector row CT of the brain and carotid artery: a correlative analysis. Clinical Radiology, 2009, 64, 767-778.	1.1	48
58	Angio Computed Tomography Preoperative Evaluation for Anterolateral Thigh Flap Harvesting. Annals of Plastic Surgery, 2009, 62, 368-371.	0.9	48
59	Association between internal carotid artery dissection and arterial tortuosity. Neuroradiology, 2015, 57, 149-153.	2.2	47
60	Cardiovascular/stroke risk predictive calculators: a comparison between statistical and machine learning models. Cardiovascular Diagnosis and Therapy, 2020, 10, 919-938.	1.7	46
61	A narrative review on characterization of acute respiratory distress syndrome in COVID-19-infected lungs using artificial intelligence. Computers in Biology and Medicine, 2021, 130, 104210.	7.0	46
62	Efficacy and sensitivity of axial scans and different reconstruction methods in the study of the ulcerated carotid plaque using multidetector-row CT angiography: comparison with surgical results. American Journal of Neuroradiology, 2007, 28, 716-23.	2.4	46
63	MDCTA of Carotid Plaque Degree of Stenosis: Evaluation of Interobserver Agreement. American Journal of Roentgenology, 2008, 190, W41-W46.	2.2	45
64	Ovarian Tumor Characterization and Classification Using Ultrasound—A New Online Paradigm. Journal of Digital Imaging, 2013, 26, 544-553.	2.9	45
65	Three-dimensional ultrasonography in the diagnosis of deep endometriosis. Human Reproduction, 2014, 29, 1189-1198.	0.9	45
66	Six artificial intelligence paradigms for tissue characterisation and classification of non-COVID-19 pneumonia against COVID-19 pneumonia in computed tomography lungs. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 423-434.	2.8	45
67	Systematic Review of Artificial Intelligence in Acute Respiratory Distress Syndrome for COVID-19 Lung Patients: A Biomedical Imaging Perspective. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 4128-4139.	6.3	45
68	Prostate Tissue Characterization/Classification in 144 Patient Population Using Wavelet and Higher Order Spectra Features from Transrectal Ultrasound Images. Technology in Cancer Research and Treatment, 2013, 12, 545-557.	1.9	44
69	A new method for IVUS-based coronary artery disease risk stratification: A link between coronary & carotid ultrasound plaque burdens. Computer Methods and Programs in Biomedicine, 2016, 124, 161-179.	4.7	43
70	Carotid artery wall thickness: comparison between sonography and multi-detector row CT angiography. Neuroradiology, 2010, 52, 75-82.	2.2	42
71	Anatomic variations of arterial liver vascularization: an analysis by using MDCTA. Surgical and Radiologic Anatomy, 2011, 33, 559-568.	1.2	42
72	Hypothesis Validation of Far-Wall Brightness in Carotid-Artery Ultrasound for Feature-Based IMT Measurement Using a Combination of Level-Set Segmentation and Registration. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 1054-1063.	4.7	42

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73	Two-stage artificial intelligence model for jointly measurement of atherosclerotic wall thickness and plaque burden in carotid ultrasound: A screening tool for cardiovascular/stroke risk assessment. Computers in Biology and Medicine, 2020, 123, 103847.	7.0	42
74	Carotid artery wall thickness and ischemic symptoms: evaluation using multi-detector-row CT angiography. European Radiology, 2008, 18, 1962-1971.	4.5	41
75	Cyst with a mural nodule tumor of the brain. Cancer Imaging, 2012, 12, 237-244.	2.8	41
76	Multiclass machine learning vs. conventional calculators for stroke/CVD risk assessment using carotid plaque predictors with coronary angiography scores as gold standard: a 500 participants study. International Journal of Cardiovascular Imaging, 2021, 37, 1171-1187.	1.5	41
77	Wilson disease tissue classification and characterization using seven artificial intelligence models embedded with 3D optimization paradigm on a weak training brain magnetic resonance imaging datasets: a supercomputer application. Medical and Biological Engineering and Computing, 2021, 59, 511-533.	2.8	41
78	Shape–Based Approach for Coronary Calcium Lesion Volume Measurement on Intravascular Ultrasound Imaging and Its Association With Carotid Intima–Media Thickness. Journal of Ultrasound in Medicine, 2015, 34, 469-482.	1.7	40
79	A Review on Atherosclerotic Biology, Wall Stiffness, Physics of Elasticity, and Its Ultrasound-Based Measurement. Current Atherosclerosis Reports, 2016, 18, 83.	4.8	40
80	Learning curve in the detection of ovarian and deep endometriosis by using Magnetic Resonance. European Journal of Radiology, 2011, 79, 237-244.	2.6	39
81	Accurate cloud-based smart IMT measurement, its validation and stroke risk stratification in carotid ultrasound: A web-based point-of-care tool for multicenter clinical trial. Computers in Biology and Medicine, 2016, 75, 217-234.	7.0	39
82	Imaging in COVID-19-related myocardial injury. International Journal of Cardiovascular Imaging, 2021, 37, 1349-1360.	1.5	39
83	Multimodality carotid plaque tissue characterization and classification in the artificial intelligence paradigm: a narrative review for stroke application. Annals of Translational Medicine, 2021, 9, 1206-1206.	1.7	39
84	Global perspective on carotid intima-media thickness and plaque: should the current measurement guidelines be revisited?. International Angiology, 2020, 38, 451-465.	0.9	39
85	Constrained snake vs. conventional snake for carotid ultrasound automated IMT measurements on multi-center data sets. Ultrasonics, 2012, 52, 949-961.	3.9	38
86	Wall-based measurement features provides an improved IVUS coronary artery risk assessment when fused with plaque texture-based features during machine learning paradigm. Computers in Biology and Medicine, 2017, 91, 198-212.	7.0	38
87	Performance evaluation of 10-year ultrasound image-based stroke/cardiovascular (CV) risk calculator by comparing against ten conventional CV risk calculators: A diabetic study. Computers in Biology and Medicine, 2019, 105, 125-143.	7.0	38
88	COVLIAS 1.0: Lung Segmentation in COVID-19 Computed Tomography Scans Using Hybrid Deep Learning Artificial Intelligence Models. Diagnostics, 2021, 11, 1405.	2.6	38
89	Role of Artificial Intelligence in Radiogenomics for Cancers in the Era of Precision Medicine. Cancers, 2022, 14, 2860.	3.7	38
90	Fully Automated Dual-Snake Formulation for Carotid Intima-Media Thickness Measurement. Journal of Ultrasound in Medicine, 2012, 31, 1123-1136.	1.7	37

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91	A Review on Carotid Ultrasound Atherosclerotic Tissue Characterization and Stroke Risk Stratification in Machine Learning Framework. Current Atherosclerosis Reports, 2015, 17, 55.	4.8	36
92	Nonlinear model for the carotid artery disease 10â€year risk prediction by fusing conventional cardiovascular factors to carotid ultrasound image phenotypes: A Japanese diabetes cohort study. Echocardiography, 2019, 36, 345-361.	0.9	36
93	Carotid plaque imaging and the risk of atherosclerotic cardiovascular disease. Cardiovascular Diagnosis and Therapy, 2020, 10, 1048-1067.	1.7	36
94	Long-COVID diagnosis: From diagnostic to advanced AI-driven models. European Journal of Radiology, 2022, 148, 110164.	2.6	36
95	Automated segmental-IMT measurement in thin/thick plaque with bulb presence in carotid ultrasound from multiple scanners: Stroke risk assessment. Computer Methods and Programs in Biomedicine, 2017, 141, 73-81.	4.7	35
96	Ultrasound-based carotid stenosis measurement and risk stratification in diabetic cohort: a deep learning paradigm. Cardiovascular Diagnosis and Therapy, 2019, 9, 439-461.	1.7	35
97	Comparison between manual and automated analysis for the quantification of carotid wall by using sonography. A validation study with CT. European Journal of Radiology, 2012, 81, 911-918.	2.6	34
98	Patients with carotid atherosclerosis who underwent or did not undergo carotid endarterectomy: outcome on mood, cognition and quality of life. BMC Psychiatry, 2015, 15, 277.	2.6	34
99	Calcium detection, its quantification, and grayscale morphology-based risk stratification using machine learning in multimodality big data coronary and carotid scans: A review. Computers in Biology and Medicine, 2018, 101, 184-198.	7.0	34
100	Artificial intelligence framework for predictive cardiovascular and stroke risk assessment models: A narrative review of integrated approaches using carotid ultrasound. Computers in Biology and Medicine, 2020, 126, 104043.	7.0	34
101	Ultrasound-based internal carotid artery plaque characterization using deep learning paradigm on a supercomputer: a cardiovascular disease/stroke risk assessment system. International Journal of Cardiovascular Imaging, 2021, 37, 1511-1528.	1.5	34
102	Bidirectional link between diabetes mellitus and coronavirus disease 2019 leading to cardiovascular disease: A narrative review. World Journal of Diabetes, 2021, 12, 215-237.	3.5	34
103	Acute arterial mesenteric ischemia and reperfusion: Macroscopic and MRI findings, preliminary report. World Journal of Gastroenterology, 2013, 19, 6825.	3.3	34
104	Understanding the bias in machine learning systems for cardiovascular disease risk assessment: The first of its kind review. Computers in Biology and Medicine, 2022, 142, 105204.	7.0	34
105	Ultrasonographic assessment of bone erosions in the different subtypes of systemic lupus erythematosus arthritis: comparison with computed tomography. Arthritis Research and Therapy, 2016, 18, 222.	3.5	33
106	A Special Report on Changing Trends in Preventive Stroke/Cardiovascular Risk Assessment Via B-Mode Ultrasonography. Current Atherosclerosis Reports, 2019, 21, 25.	4.8	33
107	Effect of carotid image-based phenotypes on cardiovascular risk calculator: AECRS1.0. Medical and Biological Engineering and Computing, 2019, 57, 1553-1566.	2.8	33
108	Unseen Artificial Intelligenceâ€"Deep Learning Paradigm for Segmentation of Low Atherosclerotic Plaque in Carotid Ultrasound: A Multicenter Cardiovascular Study. Diagnostics, 2021, 11, 2257.	2.6	33

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109	The emerging role of atrial strain assessed by cardiac MRI in different cardiovascular settings: an up-to-date review. European Radiology, 2022, 32, 4384-4394.	4.5	33
110	Intra- and inter-operator reproducibility of automated cloud-based carotid lumen diameter ultrasound measurement. Indian Heart Journal, 2018, 70, 649-664.	0.5	32
111	Intima Media Thickness Variability (IMTV) and its association with cerebrovascular events: a novel marker of carotid therosclerosis?. Cardiovascular Diagnosis and Therapy, 2012, 2, 10-8.	1.7	32
112	Imaging of the Fibrous Cap in Atherosclerotic Carotid Plaque. CardioVascular and Interventional Radiology, 2010, 33, 681-689.	2.0	31
113	Agreement and reproducibility in identification of endometriosis using magnetic resonance imaging. Acta Radiologica, 2010, 51, 573-580.	1.1	31
114	Carotid Plaque Enhancement and Symptom Correlations: An Evaluation by Using Multidetector Row CT Angiography. American Journal of Neuroradiology, 2011, 32, 1919-1925.	2.4	31
115	Cardiovascular/stroke risk prevention: A new machine learning framework integrating carotid ultrasound image-based phenotypes and its harmonics with conventional risk factors. Indian Heart Journal, 2020, 72, 258-264.	0.5	31
116	Vessel Wallâ€"Imaging Biomarkers of Carotid Plaque Vulnerability in StrokeÂPrevention Trials. JACC: Cardiovascular Imaging, 2020, 13, 2445-2456.	5.3	31
117	Inter-observer Variability Analysis of Automatic Lung Delineation in Normal and Disease Patients. Journal of Medical Systems, 2016, 40, 142.	3.6	30
118	Deep Infiltrating Endometriosis: Comparison Between 2â€Dimensional Ultrasonography (US), 3â€Dimensional US, and Magnetic Resonance Imaging. Journal of Ultrasound in Medicine, 2018, 37, 1511-1521.	1.7	30
119	What is the role of vertebral augmentation for osteoporotic fractures? A review of the recent literature. Neuroradiology, 2018, 60, 777-783.	2.2	30
120	Ranking of stroke and cardiovascular risk factors for an optimal risk calculator design: Logistic regression approach. Computers in Biology and Medicine, 2019, 108, 182-195.	7.0	30
121	Ten Fast Transfer Learning Models for Carotid Ultrasound Plaque Tissue Characterization in Augmentation Framework Embedded with Heatmaps for Stroke Risk Stratification. Diagnostics, 2021, 11, 2109.	2.6	30
122	Eight pruning deep learning models for low storage and high-speed COVID-19 computed tomography lung segmentation and heatmap-based lesion localization: A multicenter study using COVLIAS 2.0. Computers in Biology and Medicine, 2022, 146, 105571.	7.0	30
123	A Review on Joint Carotid Intima-Media Thickness and Plaque Area Measurement in Ultrasound for Cardiovascular/Stroke Risk Monitoring: Artificial Intelligence Framework. Journal of Digital Imaging, 2021, 34, 581-604.	2.9	29
124	Complications in COVID-19 patients: Characteristics of pulmonary embolism. Clinical Imaging, 2021, 77, 244-249.	1.5	29
125	Low-cost preventive screening using carotid ultrasound in patients with diabetes. Frontiers in Bioscience - Landmark, 2020, 25, 1132-1171.	3.0	29
126	Fissured Fibrous Cap of Vulnerable Carotid Plaques and Symptomaticity: Are They Correlated? Preliminary Results by Using Multi-Detector-Row CT Angiography. Cerebrovascular Diseases, 2009, 27, 322-327.	1.7	28

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127	Association of automated carotid IMT measurement and HbA1c in Japanese patients with coronary artery disease. Diabetes Research and Clinical Practice, 2013, 100, 348-353.	2.8	28
128	Review of imaging biomarkers for the vulnerable carotid plaque. JVS Vascular Science, 2021, 2, 149-158.	1.1	28
129	Computer-Aided Detection of Pulmonary Nodules in Computed Tomography. Journal of Computer Assisted Tomography, 2007, 31, 611-619.	0.9	27
130	Carotid IMT Variability (IMTV) and Its Validation in Symptomatic versus Asymptomatic Italian Population: Can This Be a Useful Index for Studying Symptomaticity?. Echocardiography, 2012, 29, 1111-1119.	0.9	27
131	Carotid Artery Plaque Characterization Using CT Multienergy Imaging. American Journal of Neuroradiology, 2013, 34, 855-859.	2.4	27
132	Lung disease stratification using amalgamation of Riesz and Gabor transforms in machine learning framework. Computers in Biology and Medicine, 2017, 89, 197-211.	7.0	27
133	Web-based accurate measurements of carotid lumen diameter and stenosis severity: An ultrasound-based clinical tool for stroke risk assessment during multicenter clinical trials. Computers in Biology and Medicine, 2017, 91, 306-317.	7.0	27
134	Vessel wall MR imaging for the detection of intracranial inflammatory vasculopathies. Cardiovascular Diagnosis and Therapy, 2020, 10, 1108-1119.	1.7	27
135	Artificial intelligence in computed tomography plaque characterization: A review. European Journal of Radiology, 2021, 140, 109767.	2.6	27
136	Is COVID Evolution Due to Occurrence of Pulmonary Vascular Thrombosis?. Journal of Thoracic Imaging, 2020, Publish Ahead of Print, 344-345.	1.5	27
137	A hybrid deep learning paradigm for carotid plaque tissue characterization and its validation in multicenter cohorts using a supercomputer framework. Computers in Biology and Medicine, 2022, 141, 105131.	7.0	27
138	The Abscopal Effect in the Era of Cancer Immunotherapy: a Spontaneous Synergism Boosting Anti-tumor Immunity?. Targeted Oncology, 2018, 13, 113-123.	3.6	26
139	Echolucency-based phenotype in carotid atherosclerosis disease for risk stratification of diabetes patients. Diabetes Research and Clinical Practice, 2018, 143, 322-331.	2.8	26
140	Balloon-Occluded Transcatheter Arterial Chemoembolization (b-TACE) for Hepatocellular Carcinoma Performed with Polyethylene-Glycol Epirubicin-Loaded Drug-Eluting Embolics: Safety and Preliminary Results. CardioVascular and Interventional Radiology, 2019, 42, 853-862.	2.0	26
141	Radiomics and â€œradi-â€¦omicsâ€•in cancer immunotherapy: a guide for clinicians. Critical Reviews in Oncology/Hematology, 2020, 154, 103068.	4.4	26
142	Carotid Artery Plaque Calcifications: Lessons From Histopathology to Diagnostic Imaging. Stroke, 2022, 53, 290-297.	2.0	26
143	Multidetector row CT angiography in the evaluation of the hepatic artery and its anatomical variants. Clinical Radiology, 2008, 63, 312-321.	1.1	25
144	Morphologic TPA (mTPA) and composite risk score for moderate carotid atherosclerotic plaque is strongly associated with HbA1c in diabetes cohort. Computers in Biology and Medicine, 2018, 101, 128-145.	7.0	25

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145	Cardiovascular risk assessment in patients with rheumatoid arthritis using carotid ultrasound B-mode imaging. Rheumatology International, 2020, 40, 1921-1939.	3.0	25
146	Immune Checkpoint Inhibitor-Induced Pancreatic Injury: Imaging Findings and Literature Review. Targeted Oncology, 2020, 15, 25-35.	3.6	25
147	Brain and Lung Imaging Correlation in Patients with COVID-19: Could the Severity of Lung Disease Reflect the Prevalence of Acute Abnormalities on Neuroimaging? A Global Multicenter Observational Study. American Journal of Neuroradiology, 2021, 42, 1008-1016.	2.4	25
148	Roadmap Consensus on Carotid Artery Plaque Imaging and Impact on Therapy Strategies and Guidelines: An International, Multispecialty, Expert Review and Position Statement. American Journal of Neuroradiology, 2021, 42, 1566-1575.	2.4	25
149	Inter- and intra-observer variability analysis of completely automated cIMT measurement software (AtheroEdgeâ„¢) and its benchmarking against commercial ultrasound scanner and expert Readers. Computers in Biology and Medicine, 2013, 43, 1261-1272.	7.0	24
150	Accurate lumen diameter measurement in curved vessels in carotid ultrasound: an iterative scale-space and spatial transformation approach. Medical and Biological Engineering and Computing, 2017, 55, 1415-1434.	2.8	24
151	Carotid Intraplaque-Hemorrhage Volume and Its Association with Cerebrovascular Events. American Journal of Neuroradiology, 2019, 40, 1731-1737.	2.4	24
152	Texture analysis imaging â€œwhat a clinical radiologist needs to knowâ€• European Journal of Radiology, 2022, 146, 110055.	2.6	24
153	Carotid artery stenosis quantification: Concordance analysis between radiologist and semi-automatic computer software by using Multi-Detector-Row CT angiography. European Journal of Radiology, 2011, 79, 80-84.	2.6	23
154	Automated carotid artery intima layer regional segmentation. Physics in Medicine and Biology, 2011, 56, 4073-4090.	3.0	23
155	Ankleâ€"Brachial Index and Its Link to Automated Carotid Ultrasound Measurement of Intimaâ€"Media Thickness Variability in 500 Japanese Coronary Artery Disease Patients. Current Atherosclerosis Reports, 2014, 16, 393.	4.8	23
156	Carotid interâ€adventitial diameter is more strongly related to plaque score than lumen diameter: An automated tool for stroke analysis. Journal of Clinical Ultrasound, 2016, 44, 210-220.	0.8	23
157	Relationship between white matter hyperintensities volume and the circle of Willis configurations in patients with carotid artery pathology. European Journal of Radiology, 2017, 89, 111-116.	2.6	23
158	Semiautomated Characterization of Carotid Artery Plaque Features From Computed Tomography Angiography to Predict Atherosclerotic Cardiovascular Disease Risk Score. Journal of Computer Assisted Tomography, 2019, 43, 452-459.	0.9	23
159	CT imaging features of carotid artery plaque vulnerability. Annals of Translational Medicine, 2020, 8, 1261-1261.	1.7	23
160	Ct Findings of Covid-19 Pneumonia in Icu-Patients. Journal of Public Health Research, 2021, 10, jphr.2021.2270.	1.2	23
161	Automated Carotid IMT Measurement and Its Validation in Low Contrast Ultrasound Database of 885 Patient Indian Population Epidemiological Study: Results of AtheroEdgeÂ® Software. , 2014, , 209-219.		23
162	Automated deep learning-based paradigm for high-risk plaque detection in B-mode common carotid ultrasound scans: an asymptotic Japanese cohort study. International Angiology, 2022, 41, .	0.9	23

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