Luca Saba

List of Publications by Year
in descending order

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384	11,018	41344	71685
papers	citations	49 h-index	76 g-index

390	390	390	8471
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Five Strategies for Bias Estimation in Artificial Intelligence-based Hybrid Deep Learning for Acute Respiratory Distress Syndrome COVID-19 Lung Infected Patients using AP(ai)Bias 2.0: A Systematic Review. IEEE Transactions on Instrumentation and Measurement, 2024, , 1-1.	4.7	14
2	Could CMR Tissue-Tracking and Parametric Mapping Distinguish Between Takotsubo Syndrome and Acute Myocarditis? A Pilot Study. Academic Radiology, 2022, 29, S33-S39.	2.5	18
3	Identifying the Vulnerable Carotid Atherosclerotic Plaque in Patients With Asymptomatic Carotid Stenosis. Angiology, 2022, 73, 93-95.	1.8	1
4	The mid-term effects of carotid endarterectomy on cognition and regional neural activity analyzed with the amplitude of low frequency fluctuations technique. Neuroradiology, 2022, 64, 531-541.	2.2	4
5	Atrial Strain by Feature-Tracking Cardiac Magnetic Resonance Imaging in Takotsubo Cardiomyopathy. Features, Feasibility, and Reproducibility. Canadian Association of Radiologists Journal, 2022, 73, 573-580.	2.0	18
6	Automated deep learning-based paradigm for high-risk plaque detection in B-mode common carotid ultrasound scans: an asymptomatic Japanese cohort study. International Angiology, 2022, 41, .	0.9	23
7	Texture analysis imaging â€œwhat a clinical radiologist needs to knowâ€• European Journal of Radiology, 2022, 146, 110055.	2.6	24
8	Carotid Artery Plaque Calcifications: Lessons From Histopathology to Diagnostic Imaging. Stroke, 2022, 53, 290-297.	2.0	26
9	Carotid Plaques From Symptomatic Patients With Mild Stenosis Is Associated With Intraplaque Hemorrhage. Hypertension, 2022, 79, 271-282.	2.7	10
10	Ensemble Machine Learning and Its Validation for Prediction of Coronary Artery Disease and Acute Coronary Syndrome Using Focused Carotid Ultrasound. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	8
11	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
12	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
13	Cardiovascular disease detection using machine learning and carotid/femoral arterial imaging frameworks in rheumatoid arthritis patients. Rheumatology International, 2022, 42, 215-239.	3.0	18
14	Artificial Intelligence in â€œCode Strokeâ€â€”A Paradigm Shift: Do Radiologists Need to Change Their Practice?. Radiology: Artificial Intelligence, 2022, 4, e210204.	5.8	8
15	Bias Investigation in Artificial Intelligence Systems for Early Detection of Parkinsonâ€™s Disease: A Narrative Review. Diagnostics, 2022, 12, 166.	2.6	23
16	A machine learning framework for risk prediction of multi-label cardiovascular events based on focused carotid plaque B-Mode ultrasound: A Canadian study. Computers in Biology and Medicine, 2022, 140, 105102.	7.0	18
17	Non-invasive coronary imaging in patients with COVID-19: A narrative review. European Journal of Radiology, 2022, 149, 110188.	2.6	8
18	Multimodality Imaging in Ischemic Chronic Cardiomyopathy. Journal of Imaging, 2022, 8, 35.	3.0	7

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19	Long-COVID diagnosis: From diagnostic to advanced AI-driven models. European Journal of Radiology, 2022, 148, 110164.	2.6	36
20	Impact Analysis of Different CT Configurations of Carotid Artery Plaque Calcifications on Cerebrovascular Events. American Journal of Neuroradiology, 2022, 43, 272-279.	2.4	10
21	Reassessing the Carotid Artery Plaque â€œRim Signâ€•on CTA: A New Analysis with Histopathologic Confirmation. American Journal of Neuroradiology, 2022, 43, 429-434.	2.4	5
22	Carotid artery endarterectomy in patients with symptomatic non-stenotic carotid artery disease. Stroke and Vascular Neurology, 2022, 7, 251-257.	3.3	6
23	Role of imaging in rare COVID-19 vaccine multiorgan complications. Insights Into Imaging, 2022, 13, 44.	3.4	4
24	Four Types of Multiclass Frameworks for Pneumonia Classification and Its Validation in X-ray Scans Using Seven Types of Deep Learning Artificial Intelligence Models. Diagnostics, 2022, 12, 652.	2.6	23
25	Cardiovascular/Stroke Risk Stratification in Parkinsonâ€™s Disease Patients Using Atherosclerosis Pathway and Artificial Intelligence Paradigm: A Systematic Review. Metabolites, 2022, 12, 312.	2.9	21
26	The effect of external stimulation on functional networks in the aging healthy human brain. Cerebral Cortex, 2022, 33, 235-245.	2.9	8
27	A Powerful Paradigm for Cardiovascular Risk Stratification Using Multiclass, Multi-Label, and Ensemble-Based Machine Learning Paradigms: A Narrative Review. Diagnostics, 2022, 12, 722.	2.6	20
28	Cardiac magnetic resonance imaging of myocarditis and pericarditis following COVID-19 vaccination: a multicenter collection of 27 cases. European Radiology, 2022, 32, 4352-4360.	4.5	13
29	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
30	Atrial Impairment as a Marker in Discriminating Between Takotsubo and Acute Myocarditis Using Cardiac Magnetic Resonance. Journal of Thoracic Imaging, 2022, 37, W78-W84.	1.5	9
31	The added value of artificial intelligence to LI-RADS categorization: A systematic review. European Journal of Radiology, 2022, 150, 110251.	2.6	8
32	State-of-the-art review of lung imaging in cystic fibrosis with recommendations for pulmonologists and radiologists from the â€œiMAging managEment of cySTic fibROsisâ€•(MAESTRO) consortium. European Respiratory Review, 2022, 31, 210173.	7.1	21
33	Mid-term effects of carotid endarterectomy on cognition and white matter status evaluated by whole brain diffusion tensor imaging metrics: A preliminary analysis. European Journal of Radiology, 2022, 151, 110314.	2.6	4
34	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
35	Generative Adversarial Networks in Brain Imaging: A Narrative Review. Journal of Imaging, 2022, 8, 83.	3.0	16
36	18 Months Computed Tomography Follow-Up after Covid-19 Interstitial Pneumonia. Journal of Public Health Research, 2022, 11, jphr.2022.2782.	1.2	10

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37	Breast cancer and communication: monocentric experience of a self-assessment questionnaire. Journal of Public Health Research, 2022, 11, .	1.2	0
38	Cardiovascular Risk Stratification in Diabetic Retinopathy via Atherosclerotic Pathway in COVID-19/Non-COVID-19 Frameworks Using Artificial Intelligence Paradigm: A Narrative Review. Diagnostics, 2022, 12, 1234.	2.6	15
39	Cardiovascular/Stroke Risk Assessment in Patients with Erectile Dysfunctionâ€"A Role of Carotid Wall Arterial Imaging and Plaque Tissue Characterization Using Artificial Intelligence Paradigm: A Narrative Review. Diagnostics, 2022, 12, 1249.	2.6	5
40	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
41	COVLIAS 1.0Lesion vs. MedSeg: An Artificial Intelligence Framework for Automated Lesion Segmentation in COVID-19 Lung Computed Tomography Scans. Diagnostics, 2022, 12, 1283.	2.6	15
42	Deep Learning Paradigm for Cardiovascular Disease/Stroke Risk Stratification in Parkinsonâ€™s Disease Affected by COVID-19: A Narrative Review. Diagnostics, 2022, 12, 1543.	2.6	7
43	COVLIAS 2.0-cXAI: Cloud-Based Explainable Deep Learning System for COVID-19 Lesion Localization in Computed Tomography Scans. Diagnostics, 2022, 12, 1482.	2.6	23
44	Role of cardiac <scp>MRI</scp> in the diagnosis of immune checkpoint inhibitorâ€associated myocarditis. International Journal of Cancer, 2022, 151, 1860-1873.	5.1	19
45	Role of Artificial Intelligence in Radiogenomics for Cancers in the Era of Precision Medicine. Cancers, 2022, 14, 2860.	3.7	38
46	Interleukin-6 Predicts Carotid Plaque Severity, Vulnerability, and Progression. Circulation Research, 2022, 131, .	4.5	15
47	International Union of Angiology (IUA) consensus paper on imaging strategies in atherosclerotic carotid artery imaging: From basic strategies to advanced approaches. Atherosclerosis, 2022, 354, 23-40.	0.8	22
48	Embolic Stroke of Undetermined Source and Carotid Intraplaque Hemorrhage on MRI. Clinical Neuroradiology, 2021, 31, 307-313.	1.9	12
49	Integrative analysis for COVID-19 patient outcome prediction. Medical Image Analysis, 2021, 67, 101844.	11.6	57
50	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
51	Imaging in COVID-19-related myocardial injury. International Journal of Cardiovascular Imaging, 2021, 37, 1349-1360.	1.5	39
52	Magnetic resonance imaging of BalÃ³â€™s concentric sclerosis: Literature review and presentation of two focused cases. Clinical and Experimental Neuroimmunology, 2021, 12, 54-62.	1.0	0
53	Efficacy of a Novel Vertebral Body Augmentation System in the Treatment of Patients with Symptomatic Vertebral Body Fractures. CardioVascular and Interventional Radiology, 2021, 44, 289-299.	2.0	5
54	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

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55	Review of imaging biomarkers for the vulnerable carotid plaque. JVS Vascular Science, 2021, 2, 149-158.	1.1	28
56	Multinational Survey of Current Practice from Imaging to Treatment of Atherosclerotic Carotid Stenosis. Cerebrovascular Diseases, 2021, 50, 108-120.	1.7	11
57	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
58	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
59	Cardiovascular disease and stroke risk assessment in patients with chronic kidney disease using integration of estimated glomerular filtration rate, ultrasonic image phenotypes, and artificial intelligence: a narrative review. International Angiology, 2021, 40, 150-164.	0.9	15
60	Does Carotid Artery Tortuosity Play a Role in Stroke?. Canadian Association of Radiologists Journal, 2021, 72, 084653712199105.	2.0	6
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	Potential Role of Artificial Intelligence in Cardiac Magnetic Resonance Imaging. Journal of Thoracic Imaging, 2021, 36, 142-148.	1.5	21
63	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
64	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
65	Ct Findings of Covid-19 Pneumonia in Icu-Patients. Journal of Public Health Research, 2021, 10, jphr.2021.2270.	1.2	23
66	Carotid Intraplaque Hemorrhage and Stenosis: At What Stage of Plaque Progression Does Intraplaque Hemorrhage Occur, and When is It Most Likely to Be Associated with Symptoms?. American Journal of Neuroradiology, 2021, 42, 1285-1290.	2.4	9
67	Comparison of Multimaterial Decomposition Fat Fraction with DECT and Proton Density Fat Fraction with IDEAL IQ MRI for Quantification of Liver Steatosis in a Population Exposed to Chemotherapy. Dose-Response, 2021, 19, 155932582098493.	1.6	7
68	Coronary CT angiography: a guide to examination, interpretation, and clinical indications. Expert Review of Cardiovascular Therapy, 2021, 19, 413-425.	1.5	9
69	Advances in Multimodality Carotid Plaque Imaging: AJR Expert Panel Narrative Review. American Journal of Roentgenology, 2021, 217, 16-26.	2.2	18
70	Role of artificial intelligence in cardiovascular risk prediction and outcomes: comparison of machine-learning and conventional statistical approaches for the analysis of carotid ultrasound features and intra-plaque neovascularization. International Journal of Cardiovascular Imaging, 2021, 37, 3145-3156.	1.5	15
71	Management of Patients with Asymptomatic Carotid Stenosis May Need to Be Individualized: A Multidisciplinary Call for Action. Journal of Stroke, 2021, 23, 202-212.	3.2	21
72	Observational study on healthcare workers protection in the angiographic suite during the SARS-CoV-2 pandemic: before and during vax era. Journal of Public Health Research, 2021, 10, .	1.2	1

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73	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
74	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
75	Emerging role of artificial intelligence in stroke imaging. Expert Review of Neurotherapeutics, 2021, 21, 745-754.	2.8	3
76	Artificial intelligence in computed tomography plaque characterization: A review. European Journal of Radiology, 2021, 140, 109767.	2.6	27
77	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
78	Management of patients with asymptomatic carotid stenosis may need to be individualized: a multidisciplinary call for action. Republication of J Stroke 2021;23:202-212. International Angiology, 2021, 40, 487-496.	0.9	5
79	A deep look into radiomics. Radiologia Medica, 2021, 126, 1296-1311.	7.7	176
80	Walk Your Talk: Real-World Adherence to Guidelines on the Use of MRI in Multiple Sclerosis. Diagnostics, 2021, 11, 1310.	2.6	2
81	Volume of White Matter Hyperintensities, and Cerebral Micro-Bleeds. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105905.	1.6	3
82	COVID-19 Disease, Womenâ€™s Predominant Non-Heparin Vaccine-Induced Thrombotic Thrombocytopenia and Kounis Syndrome: A Passepartout Cytokine Storm Interplay. Biomedicines, 2021, 9, 959.	3.2	14
83	The association between white matter hyperintensities, cognition and regional neural activity in healthy subjects. European Journal of Neuroscience, 2021, 54, 5427-5443.	2.6	6
84	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
85	Obstructive and Nonobstructive Hypertrophic Cardiomyopathy. Journal of Thoracic Imaging, 2021, Publish Ahead of Print, 49-57.	1.5	4
86	Global Fractional Anisotropy: Effect on Resting-state Neural Activity and Brain Networking in Healthy Participants. Neuroscience, 2021, 472, 103-115.	2.3	15
87	Complications in COVID-19 patients: Characteristics of pulmonary embolism. Clinical Imaging, 2021, 77, 244-249.	1.5	29
88	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
89	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
90	Validation of choroidal anastomosis on high-resolution magnetic resonance imaging as an imaging biomarker in hemorrhagic moyamoya disease. European Radiology, 2021, 31, 4548-4556.	4.5	14

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91	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
92	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
93	Inter-Variability Study of COVLIAS 1.0: Hybrid Deep Learning Models for COVID-19 Lung Segmentation in Computed Tomography. Diagnostics, 2021, 11, 2025.	2.6	20
94	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
95	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
96	The Added Value of Vessel Wall MRI in the Detection of Intraluminal Thrombus in Patients Suspected of Craniocervical Artery Dissection. , 2021, 12, 2140.		7
97	COVLIAS 1.0 vs. MedSeg: Artificial Intelligence-Based Comparative Study for Automated COVID-19 Computed Tomography Lung Segmentation in Italian and Croatian Cohorts. Diagnostics, 2021, 11, 2367.	2.6	15
98	Association between carotid artery plaque inflammation and brain MRI. Journal of Neuroradiology, 2020, 47, 203-209.	1.1	3
99	Carotid artery imaging: The study of intra-plaque vascularization and hemorrhage in the era of the â€œvulnerableâ€•plaque. Journal of Neuroradiology, 2020, 47, 464-472.	1.1	20
100	Performance of a deep learning algorithm for the evaluation of CAD-RADS classification with CCTA. Atherosclerosis, 2020, 294, 25-32.	0.8	67
101	Intra-procedural dual phase cone beam computed tomography has a better diagnostic accuracy over pre-procedural MRI and MDCT in detection and characterization of HCC in cirrhotic patients undergoing TACE procedure. European Journal of Radiology, 2020, 124, 108806.	2.6	13
102	The impact of modifiable risk factors on lesion burden in patients with early multiple sclerosis. Multiple Sclerosis and Related Disorders, 2020, 39, 101886.	2.0	3
103	Carotid artery stenosis and brain connectivity: the role of white matter hyperintensities. Neuroradiology, 2020, 62, 377-387.	2.2	15
104	The influence of the volumetric composition of the intracranial space on neural activity in healthy subjects: a restingâ€state functional magnetic resonance study. European Journal of Neuroscience, 2020, 51, 1944-1961.	2.6	6
105	Plaque imaging volume analysis: technique and application. Cardiovascular Diagnosis and Therapy, 2020, 10, 1032-1047.	1.7	8
106	Carotid plaque imaging and the risk of atherosclerotic cardiovascular disease. Cardiovascular Diagnosis and Therapy, 2020, 10, 1048-1067.	1.7	36
107	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
108	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

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109	Vessel wall MR imaging for the detection of intracranial inflammatory vasculopathies. Cardiovascular Diagnosis and Therapy, 2020, 10, 1108-1119.	1.7	27
110	Venous and arterial thromboembolic events with immune checkpoint inhibitors: A systematic review. Thrombosis Research, 2020, 196, 444-453.	1.7	55
111	Carotid plaque imaging profiling in subjects with risk factors (diabetes and hypertension). Cardiovascular Diagnosis and Therapy, 2020, 10, 1005-1018.	1.7	15
112	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
113	White-matter hyperintensities in patients with carotid artery stenosis: An exploratory connectometry study. Neuroradiology Journal, 2020, 33, 486-493.	1.2	7
114	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
115	Early diagnosis of chemotherapy-induced cardiotoxicity by cardiac MRI. European Journal of Radiology, 2020, 130, 109158.	2.6	21
116	Low-Cost Office-Based Cardiovascular Risk Stratification Using Machine Learning and Focused Carotid Ultrasound in an Asian-Indian Cohort. Journal of Medical Systems, 2020, 44, 208.	3.6	18
117	Perivascular Fat Density and Contrast Plaque Enhancement: Does a Correlation Exist?. American Journal of Neuroradiology, 2020, 41, 1460-1465.	2.4	20
118	Does the Carotid Bulb Offer a Better 10-Year CVD/Stroke Risk Assessment Compared to the Common Carotid Artery? A 1516 Ultrasound Scan Study. Angiology, 2020, 71, 920-933.	1.8	16
119	Radiomics and â€œradi-â€¦omicsâ€•in cancer immunotherapy: a guide for clinicians. Critical Reviews in Oncology/Hematology, 2020, 154, 103068.	4.4	26
120	Vessel Wallâ€“Imaging Biomarkers of Carotid Plaque Vulnerability in StrokeÂPrevention Trials. JACC: Cardiovascular Imaging, 2020, 13, 2445-2456.	5.3	31
121	CT imaging features of carotid artery plaque vulnerability. Annals of Translational Medicine, 2020, 8, 1261-1261.	1.7	23
122	Advanced imaging in the diagnosis of cardiovascular diseases: the â€œongoingâ€•future. Cardiovascular Diagnosis and Therapy, 2020, 10, 915-918.	1.7	0
123	Extracranial Carotid Artery Stenosis: The Effects on Brain and Cognition with a Focus on Restingâ€State Functional Connectivity. Journal of Neuroimaging, 2020, 30, 736-745.	2.0	12
124	Ultrasound-based stroke/cardiovascular risk stratification using Framingham Risk Score and ASCVD Risk Score based on â€œIntegrated Vascular Ageâ€•instead of â€œChronological Ageâ€• a multi-ethnic study of Asian Indian, Caucasian, and Japanese cohorts. Cardiovascular Diagnosis and Therapy, 2020, 10, 939-954.	1.7	15
125	Effects of White Matter Hyperintensities on Brain Connectivity and Hippocampal Volume in Healthy Subjects According to Their Localization. Brain Connectivity, 2020, 10, 436-447.	1.7	10
126	Insight from imaging on plaque vulnerability: similarities and differences between coronary and carotid arteriesâ€”implications for systemic therapies. Cardiovascular Diagnosis and Therapy, 2020, 10, 1150-1162.	1.7	20

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127	Heart applications of 4D flow. Cardiovascular Diagnosis and Therapy, 2020, 10, 1140-1149.	1.7	10
128	Cardiovascular risk assessment in patients with rheumatoid arthritis using carotid ultrasound B-mode imaging. Rheumatology International, 2020, 40, 1921-1939.	3.0	25
129	Cardiovascular/stroke risk predictive calculators: a comparison between statistical and machine learning models. Cardiovascular Diagnosis and Therapy, 2020, 10, 919-938.	1.7	46
130	Can COVID19 trigger the plaque vulnerabilityâ€"a Kounis syndrome warning for â€œasymptomatic subjectsâ€• Cardiovascular Diagnosis and Therapy, 2020, 10, 1352-1355.	1.7	13
131	Multiclass magnetic resonance imaging brain tumor classification using artificial intelligence paradigm. Computers in Biology and Medicine, 2020, 122, 103804.	7.0	134
132	Health-related qualify of life, angina type and coronary artery disease in patients with stable chest pain. Health and Quality of Life Outcomes, 2020, 18, 140.	2.4	14
133	Imaging of Neurologic Disease in Hospitalized Patients with COVID-19: An Italian Multicenter Retrospective Observational Study. Radiology, 2020, 297, E270-E273.	7.3	149
134	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
135	A special report on changing trends in preventive stroke/cardiovascular risk assessment via B-mode ultrasonography. , 2020, , 291-318.		4
136	Cardiac Involvement in COVID-19â€"Assessment with Echocardiography and Cardiac Magnetic Resonance Imaging. SN Comprehensive Clinical Medicine, 2020, 2, 845-851.	0.6	22
137	Morphological Carotid Plaque Area Is Associated With Glomerular Filtration Rate: A Study of South Asian Indian Patients With Diabetes and Chronic Kidney Disease. Angiology, 2020, 71, 520-535.	1.8	20
138	Immune Checkpoint Inhibitor-Induced Pancreatic Injury: Imaging Findings and Literature Review. Targeted Oncology, 2020, 15, 25-35.	3.6	25
139	Erdheim-Chester disease presenting with cough, abdominal pain, and headache. Radiology Case Reports, 2020, 15, 745-748.	0.6	2
140	Is COVID Evolution Due to Occurrence of Pulmonary Vascular Thrombosis?. Journal of Thoracic Imaging, 2020, Publish Ahead of Print, 344-345.	1.5	27
141	Cardiac computed tomography radiomics: an emerging tool for the non-invasive assessment of coronary atherosclerosis. Cardiovascular Diagnosis and Therapy, 2020, 10, 2005-2017.	1.7	19
142	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
143	Integration of estimated glomerular filtration rate biomarker in image-based cardiovascular disease/stroke risk calculator: a south Asian-Indian diabetes cohort with moderate chronic kidney disease. International Angiology, 2020, 39, 290-306.	0.9	16
144	Low-cost preventive screening using carotid ultrasound in patients with diabetes. Frontiers in Bioscience - Landmark, 2020, 25, 1132-1171.	3.0	29

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145	Imaging for Endometriosis in Adolescents. , 2020, , 315-331.		0
146	Correlation of MRI-detected vulnerable carotid plaques with clinical presentation: a systematic review and meta-analysis. Journal of Neurosurgical Sciences, 2020, 64, 263-271.	0.6	3
147	Coronary atherosclerosis as the main endpoint of non-invasive imaging in cardiology: a narrative review. Cardiovascular Diagnosis and Therapy, 2020, 10, 1897-1905.	1.7	1
148	Narrative review of cardiac computed tomography perfusion: insights into static rest perfusion. Cardiovascular Diagnosis and Therapy, 2020, 10, 1946-1953.	1.7	4
149	Geometric total plaque area is an equally powerful phenotype compared with carotid intimaâ€“media thickness for stroke risk assessment: A deep learning approach. , 2020, , 229-271.		0
150	Carotid plaque vulnerability on magnetic resonance imaging and risk of future ischemic events: a systematic review and meta-analysis. Journal of Neurosurgical Sciences, 2020, 64, 480-486.	0.6	5
151	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
152	Dual energy computed tomography analysis in cancer patients: What factors affect iodine concentration in contrast enhanced studies?. European Journal of Radiology, 2019, 120, 108698.	2.6	8
153	Carotid Plaque CTA Analysis in Symptomatic Subjects with Bilateral Intraparenchymal Hemorrhage: A Preliminary Analysis. American Journal of Neuroradiology, 2019, 40, 1538-1545.	2.4	21
154	Carotid Intraplaque-Hemorrhage Volume and Its Association with Cerebrovascular Events. American Journal of Neuroradiology, 2019, 40, 1731-1737.	2.4	24
155	Rheumatoid Arthritis: Atherosclerosis Imaging and Cardiovascular Risk Assessment Using Machine and Deep Learningâ€“Based Tissue Characterization. Current Atherosclerosis Reports, 2019, 21, 7.	4.8	64
156	A Review on a Deep Learning Perspective in Brain Cancer Classification. Cancers, 2019, 11, 111.	3.7	253
157	Polyethylene Glycol Epirubicin-Loaded Transcatheter Arterial Chemoembolization Procedures Utilizing a Combined Approach with 100 and 200 Î¼m Microspheres: A Promising Alternative to Current Standards. Journal of Vascular and Interventional Radiology, 2019, 30, 305-313.	0.5	11
158	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
159	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
160	Immunotherapy Associated Pulmonary Toxicity: Biology Behind Clinical and Radiological Features. Cancers, 2019, 11, 305.	3.7	51
161	The present and future of deep learning in radiology. European Journal of Radiology, 2019, 114, 14-24.	2.6	229
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