Emilio Quaia

List of Publications by Year
in descending order

122 papers	4,022 citations	136885 32 h-index	128225 60 g-index
155 all docs	155 docs citations	155 times ranked	3494 citing authors

#	Article	IF	Citations
1	Characterization of Focal Liver Lesions with Contrast-specific US Modes and a Sulfur Hexafluorideâ€"filled Microbubble Contrast Agent: Diagnostic Performance and Confidence. Radiology, 2004, 232, 420-430.	3.6	462
2	Microbubble ultrasound contrast agents: an update. European Radiology, 2007, 17, 1995-2008.	2.3	305
3	Mammography with Synchrotron Radiation: First Clinical Experience with Phase-Detection Technique. Radiology, 2011, 259, 684-694.	3.6	205
4	Comparison of Contrast-Enhanced Sonography with Unenhanced Sonography and Contrast-Enhanced CT in the Diagnosis of Malignancy in Complex Cystic Renal Masses. American Journal of Roentgenology, 2008, 191, 1239-1249.	1.0	203
5	Contrast-Enhanced Ultrasonographic Evaluation of Inflammatory Activity in Crohn's Disease. Gastroenterology, 2009, 137, 43-52.	0.6	193
6	Comparison of contrast-enhanced ultrasonography versus baseline ultrasound and contrast-enhanced computed tomography in metastatic disease of the liver: diagnostic performance and confidence. European Radiology, 2006, 16, 1599-1609.	2.3	151
7	Assessment of tissue perfusion by contrast-enhanced ultrasound. European Radiology, 2011, 21, 604-615.	2.3	93
8	The diagnostic value of small bowel wall vascularity after sulfur hexafluoride-filled microbubble injection in patients with Crohn's disease. Correlation with the therapeutic effectiveness of specific anti-inflammatory treatment. European Journal of Radiology, 2009, 69, 438-444.	1.2	81
9	Characterization of liver hemangiomas with pulse inversion harmonic imaging. European Radiology, 2002, 12, 537-544.	2.3	74
10	Color Doppler Imaging of Posttraumatic Priapism before and after Selective Embolization. Radiographics, 2003, 23, 495-503.	1.4	73
11	Renal parenchymal diseases: Is characterization feasible with ultrasound?. European Radiology, 2002, 12, 2006-2020.	2.3	70
12	The mammography project at the SYRMEP beamline. European Journal of Radiology, 2008, 68, S58-S62.	1.2	70
13	Characterization of unifocal liver lesions with pulse inversion harmonic imaging after Levovist injection: preliminary results. European Radiology, 2000, 10, 1369-1376.	2.3	69
14	Inflammatory activity in Crohn disease: ultrasound findings. Abdominal Imaging, 2008, 33, 589-597.	2.0	68
15	The Value of Small Bowel Wall Contrast Enhancement After Sulfur Hexafluoride-Filled Microbubble Injection toÂDifferentiate Inflammatory from Fibrotic Strictures inÂPatients with Crohn's Disease. Ultrasound in Medicine and Biology, 2012, 38, 1324-1332.	0.7	65
16	Subtyping of Primary Aldosteronism in the AVIS-2 Study: Assessment of Selectivity and Lateralization. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 2042-2052.	1.8	65
17	Characterization of renal tumours with pulse inversion harmonic imaging by intermittent high mechanical index technique: initial results. European Radiology, 2003, 13, 1402-1412.	2.3	60
18	Detection of liver metastases by pulse inversion harmonic imaging during Levovist late phase: comparison with conventional ultrasound and helical CT in 160 patients. European Radiology, 2003, 13, 475-483.	2.3	55

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19	Analysis of the impact of digital tomosynthesis on the radiological investigation of patients with suspected pulmonary lesions on chest radiography. European Radiology, 2012, 22, 1912-1922.	2.3	52
20	Interstitial Lung Disease at High Resolution CT after SARS-CoV-2-Related Acute Respiratory Distress Syndrome According to Pulmonary Segmental Anatomy. Journal of Clinical Medicine, 2021, 10, 3985.	1.0	51
21	The Value of Digital Tomosynthesis in the Diagnosis of Suspected Pulmonary Lesions on Chest Radiography. Academic Radiology, 2010, 17, 1267-1274.	1.3	50
22	Liver haemangiomas undetermined at grey-scale ultrasound: contrast-enhancement patterns with SonoVue and pulse-inversion US. European Radiology, 2005, 15, 685-693.	2.3	49
23	Painful Penile Induration: Imaging Findings and Management. Radiographics, 2009, 29, 477-493.	1.4	45
24	Time-Intensity Curves Obtained after Microbubble Injection Can Be Used to Differentiate Responders from Nonresponders among Patients with Clinically Active Crohn Disease after 6 Weeks of Pharmacologic Treatment. Radiology, 2016, 281, 606-616.	3.6	43
25	Benign focal liver lesions: spectrum of findings on SonoVue-enhanced pulse-inversion ultrasonography. European Radiology, 2005, 15, 1643-1649.	2.3	42
26	US Characterization of Focal Hepatic Lesions with Intermittent High-Acoustic-Power Mode and Contrast Material. Academic Radiology, 2003, 10, 739-750.	1.3	39
27	The value of time-intensity curves obtained after microbubble contrast agent injection to discriminate responders from non-responders to anti-inflammatory medication among patients with Crohnâ€™s disease. European Radiology, 2013, 23, 1650-1659.	2.3	39
28	The real capabilities of contrast-enhanced ultrasound in the characterization of solid focal liver lesions. European Radiology, 2011, 21, 457-462.	2.3	38
29	The application of ultrasound contrast agents in the characterization of renal tumors. World Journal of Urology, 2004, 22, 316-322.	1.2	37
30	Differentiation of Inflammatory From Fibrotic Ileal Strictures among Patients with Crohn's Disease Based on Visual Analysis: Feasibility Study Combining Conventional B-Mode Ultrasound, Contrast-Enhanced Ultrasound and Strain Elastography. Ultrasound in Medicine and Biology, 2018, 44, 762-770.	0.7	37
31	Targeting Lewis Y (Ley) in Small Cell Lung Cancer with a Humanized Monoclonal Antibody, hu3S193: A Pilot Trial Testing Two Dose Levels. Journal of Thoracic Oncology, 2007, 2, 947-952.	0.5	35
32	Diagnostic Value of Hepatocellular Nodule Vascularity After Microbubble Injection for Characterizing Malignancy in Patients with Cirrhosis. American Journal of Roentgenology, 2007, 189, 1474-1483.	1.0	33
33	Effect of Observer Experience in the Differentiation Between Benign and Malignant Liver Tumors After Ultrasound Contrast Agent Injection. Journal of Ultrasound in Medicine, 2010, 29, 25-36.	0.8	33
34	Contrast-enhanced ultrasound of the small bowel in Crohnâ€™s disease. Abdominal Imaging, 2013, 38, 1005-1013.	2.0	33
35	Indeterminate solid hepatic lesions identified on non-diagnostic contrast-enhanced computed tomography: Assessment of the additional diagnostic value of contrast-enhanced ultrasound in the non-cirrhotic liver. European Journal of Radiology, 2014, 83, 456-462.	1.2	33
36	Initial observations on the effect of irradiation on the liver-specific uptake of Levovist. European Journal of Radiology, 2002, 41, 192-199.	1.2	32

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37	Inflammatory activity in Crohnâ€™s disease: CE-US. Abdominal Imaging, 2011, 36, 142-148.	2.0	32
38	Fast T2 mapping of the patellar articular cartilage with gradient and spin-echo magnetic resonance imaging at 1.5 T: validation and initial clinical experience in patients with osteoarthritis. Skeletal Radiology, 2008, 37, 511-517.	1.2	30
39	The added diagnostic value of 64-row multidetector CT combined with contrast-enhanced US in the evaluation of hepatocellular nodule vascularity: implications in the diagnosis of malignancy in patients with liver cirrhosis. European Radiology, 2009, 19, 651-663.	2.3	30
40	Radiological investigation of gunshot wounds: a systematic review of published evidence. International Journal of Legal Medicine, 2019, 133, 1149-1158.	1.2	29
41	Radiologicâ€“pathologic correlations of intratumoral tissue components in the most common solid and cystic renal tumors. Pictorial review. European Radiology, 2005, 15, 1734-1744.	2.3	28
42	Transcranial Doppler: state of the art. European Journal of Radiology, 1998, 27, S141-S148.	1.2	27
43	Radiology Imaging of Renal Structure and Function by Computed Tomography, Magnetic Resonance Imaging, and Ultrasound. Seminars in Nuclear Medicine, 2011, 41, 45-60.	2.5	25
44	Digital Tomosynthesis as a Problem-Solving Imaging Technique to Confirm or Exclude Potential Thoracic Lesions Based on Chest X-Ray Radiography. Academic Radiology, 2013, 20, 546-553.	1.3	25
45	Predictors of Dysplastic Nodule Diagnosis in Patients With Liver Cirrhosis on Unenhanced and Gadobenate Dimeglumineâ€“Enhanced MRI With Dynamic and Hepatobiliary Phase. American Journal of Roentgenology, 2013, 200, 553-562.	1.0	25
46	Diagnostic imaging costs before and after digital tomosynthesis implementation in patient management after detection of suspected thoracic lesions on chest radiography. Insights Into Imaging, 2014, 5, 147-155.	1.6	24
47	Established paths and new avenues: a review of the main radiological techniques for investigating sarcopenia. Quantitative Imaging in Medicine and Surgery, 2020, 10, 1602-1613.	1.1	24
48	[Differential patterns of contrast enhancement in different focal liver lesions after injection of the microbubble US contrast agent SonoVue]. Radiologia Medica, 2004, 107, 155-65.	4.7	24
49	Differentiation of Inflammatory from Fibrotic Ileal Strictures among Patients with Crohn's Disease through Analysis of Timeâ€“Intensity Curves Obtained after Microbubble Contrast Agent Injection. Ultrasound in Medicine and Biology, 2017, 43, 1171-1178.	0.7	22
50	Diagnostic Accuracy of CT Texture Analysis in Adrenal Masses: A Systematic Review. International Journal of Molecular Sciences, 2022, 23, 637.	1.8	22
51	Classification and Safety of Microbubble-Based Contrast Agents. , 2005, , 3-14.		21
52	Diffusion-weighted magnetic resonance imaging in the prediction and assessment of chemotherapy outcome in liver metastases. Radiologia Medica, 2014, 119, 625-633.	4.7	21
53	Imaging of haemodialysis: renal and extrarenal findings. Insights Into Imaging, 2015, 6, 309-321.	1.6	21
54	Characterization of Focal Liver Lesions with Pulse Inversion Harmonic Imaging (PIHI) Using a Second Generation US Contrast Agent. Academic Radiology, 2002, 9, S376-S379.	1.3	20

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55	Color Doppler appearance of penile cavernosalâ€“spongiosal communications in patients with severe Peyronie's disease. European Radiology, 2002, 12, 2525-2531.	2.3	20
56	Comparison of Visual and Quantitative Analysis for Characterization of Insonated Liver Tumors After Microbubble Contrast Injection. American Journal of Roentgenology, 2006, 186, 1560-1570.	1.0	20
57	Gray Scale Ultrasound, Color Doppler Ultrasound, and Contrast-Enhanced Ultrasound in Renal Parenchymal Diseases. Ultrasound Quarterly, 2018, 34, 250-267.	0.3	19
58	Contrast enhancement ultrasound application in focal liver lesions characterization: a retrospective study about guidelines application (SOCEUSâ€“CEUS survey). Journal of Ultrasound, 2016, 19, 99-106.	0.7	18
59	State of the Art: LI-RADS for Contrast-enhanced US. Radiology, 2019, 293, 4-14.	3.6	18
60	Molecular Imaging of Pulmonary Inflammation and Infection. International Journal of Molecular Sciences, 2020, 21, 894.	1.8	18
61	Solid focal liver lesions indeterminate by contrast-enhanced CT or MR imaging: the added diagnostic value of contrast-enhanced ultrasound. Abdominal Imaging, 2012, 37, 580-590.	2.0	17
62	Activity-based cost analysis of contrast-enhanced ultrasonography (CEUS) related to the diagnostic impact in focal liver lesion characterisation. Insights Into Imaging, 2015, 6, 499-508.	1.6	16
63	Impact of gadoliniumâ€based contrast agent in the assessment of Crohn's disease activity: Is contrast agent injection necessary?. Journal of Magnetic Resonance Imaging, 2016, 43, 688-697.	1.9	16
64	Morphological breast imaging: tomography and digital mammography with synchrotron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 497, 9-13.	0.7	15
65	Assessment of a New Mathematical Model for the Computation of Numerical Parameters Related to Renal Cortical Blood Flow and Fractional Blood Volume by Contrast-Enhanced Ultrasound. Ultrasound in Medicine and Biology, 2009, 35, 616-627.	0.7	15
66	Physical Basis and Principles of Action of Microbubble-based Contrast Agents. , 2005, , 15-30.		14
67	Imaging characteristics of pleural tumours. Insights Into Imaging, 2015, 6, 729-740.	1.6	13
68	Value of percent change in tumoral volume measured atT₂-weighted and diffusion-weighted MRI to identify responders after neoadjuvant chemoradiation therapy in patients with locally advanced rectal carcinoma. Journal of Magnetic Resonance Imaging, 2016, 44, 1415-1424.	1.9	13
69	Honorary Authorship: Is There Any Chance to Stop It? Analysis of the Literature and a Personal Opinion. Tomography, 2021, 7, 801-803.	0.8	13
70	Evidence of diagnostic enhancement pattern in hepatocellular carcinoma nodulesÂâ‰2Âcm according to the AASLD/EASL revised criteria. Abdominal Imaging, 2013, 38, 1245-1253.	2.0	12
71	Biochemical Markers and MR Imaging Findings as Predictors of Crohn Disease Activity in Patients Scanned by Contrast-enhanced MR Enterography. Academic Radiology, 2014, 21, 1225-1232.	1.3	12
72	Attenuation Value in Adrenal Incidentalomas: A Longitudinal Study. Frontiers in Endocrinology, 2021, 12, 794197.	1.5	12

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73	Detection of focal renal perfusion defects in rabbits after sulphur hexafluoride-filled microbubble injection at low transmission power ultrasound insonation. European Radiology, 2006, 16, 166-172.	2.3	11
74	Terminology for Contrast-Enhanced Sonography. Journal of Ultrasound in Medicine, 2007, 26, 717-730.	0.8	11
75	Intraoperative ultrasonography (ioUS) characteristics of focal cortical dysplasia (FCD) type II b. Seizure: the Journal of the British Epilepsy Association, 2019, 69, 80-86.	0.9	11
76	Advanced intraoperative ultrasound (ioUS) techniques in focal cortical dysplasia (FCD) surgery: A preliminary experience on a case series. Clinical Neurology and Neurosurgery, 2020, 198, 106188.	0.6	11
77	Diagnostic Accuracy of Chest Digital Tomosynthesis in Patients Recovering after COVID-19 Pneumonia. Tomography, 2022, 8, 1221-1227.	0.8	11
78	Evaluation of liver parenchymal blood flow with contrast-enhanced US. Academic Radiology, 2003, 10, 869-876.	1.3	10
79	Fully integrated [18F]FDG PET/MR in large vessel vasculitis. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2022, 66, .	0.4	10
80	The Link of Pancreatic Iron with Glucose Metabolism and Cardiac Iron in Thalassemia Intermedia: A Large, Multicenter Observational Study. Journal of Clinical Medicine, 2021, 10, 5561.	1.0	10
81	Arterial enhancingâ€•only nodules less than 2 cm in diameter in patients with liver cirrhosis: Predictors of hepatocellular carcinoma diagnosis on gadobenate dimeglumineâ€enhanced mr imaging. Journal of Magnetic Resonance Imaging, 2013, 37, 892-902.	1.9	9
82	Early Predictors of the Longâ€term Response to Therapy in Patients With Crohn Disease Derived From a Timeâ€Intensity Curve Analysis After Microbubble Contrast Agent Injection. Journal of Ultrasound in Medicine, 2019, 38, 947-958.	0.8	9
83	Bolus versus continuous infusion of microbubble contrast agent for liver ultrasound by using an automatic power injector in humans: A pilot study. Journal of Clinical Ultrasound, 2016, 44, 136-142.	0.4	8
84	The H Index Myth: A Form of Fanaticism or a Simple Misconception?. Tomography, 2022, 8, 1241-1243.	0.8	8
85	Predictors of intrahepatic cholangiocarcinoma in cirrhotic patients scanned by gadobenate dimeglumine-enhanced magnetic resonance imaging: diagnostic accuracy and confidence. Clinical Imaging, 2015, 39, 1032-1038.	0.8	7
86	Diagnostic impact of digital tomosynthesis in oncologic patients with suspected pulmonary lesions on chest radiography. European Radiology, 2016, 26, 2837-2844.	2.3	7
87	The role of radiological and hybrid imaging for muscle metastases: a systematic review. European Radiology, 2020, 30, 2209-2219.	2.3	7
88	High-resolution CT features in patients with COVID-19 pneumonia and negative nasopharyngeal and oropharyngeal swabs. Pulmonology, 2020, 27, 351-353.	1.0	7
89	The value of gamma camera and computed tomography data set coregistration to assess Lewis Y antigen targeting in small cell lung cancer by 111Indium-labeled humanized monoclonal antibody 3S193. European Journal of Radiology, 2008, 67, 292-299.	1.2	6
90	Spectral Presaturation Inversion Recovery MR Imaging Sequence after Gadolinium Injection to Differentiate Fibrotic Scar Tissue and Neoplastic Strands in the Mesorectal Fat in Patients Undergoing Restaging of Rectal Carcinoma after Neoadjuvant Chemo- and Radiation Therapy. Academic Radiology, 2011, 18, 1365-1375.	1.3	6

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91	Characterization of Focal Liver Lesions. , 2005, , 125-166.		5
92	Characterization and Detection of Renal Tumors. , 2005, , 223-244.		5
93	Complete penile corporeal septation: evaluation with contrast enhanced US. Abdominal Imaging, 2008, 33, 621-625.	2.0	5
94	How to Perform Intra-Operative Contrast-Enhanced Ultrasound of the Brainâ€"A WFUMB Position Paper. Ultrasound in Medicine and Biology, 2021, 47, 2006-2016.	0.7	5
95	Setting for â€œNormalâ€•Serum Ferritin Levels in Patients with Transfusion-Dependent Thalassemia: Our Current Strategy. Journal of Clinical Medicine, 2021, 10, 5985.	1.0	5
96	Sarcopenia in juvenile localized scleroderma: new insights on deep involvement. European Radiology, 2020, 30, 4091-4097.	2.3	4
97	The most appropriate time delay after microbubble contrast agent intravenous injection to maximize liver metastasis conspicuity on contrast-enhanced ultrasound. Journal of Medical Ultrasound, 2018, 26, 128.	0.2	4
98	Predictors of mesorectal fascia invasion after gadolinium injection in rectal carcinoma after neoadjuvant therapy. Clinical Imaging, 2014, 38, 698-703.	0.8	3
99	Can chest computed tomography findings be compared between outpatient and hospitalized COVIDâ€19 patients?. Journal of Medical Imaging and Radiation Sciences, 2022, 53, 184-185.	0.2	3
100	Detection of Focal Liver Lesions. , 2005, , 167-185.		2
101	Ultrasound of the Kidney. Medical Radiology, 2014, , 83-121.	0.0	2
102	Digital tomosynthesis and ground glass nodules: Optimization of acquisition protocol. A phantom study. Radiography, 2021, 27, 574-580.	1.1	1
103	Chest computed tomography in COVID-19 infection. Clinical and Translational Imaging, 2021, 9, 649-650.	1.1	1
104	High resolution computed tomography texture analysis identifies patients at risk of pulmonary fibrosis after COVID-19 pneumonia. Quantitative Imaging in Medicine and Surgery, 2022, 12, 2199-2202.	1.1	1
105	Overcoming the Crisis of the Reviewing Process: Responsibility of a Scientific Journal. Tomography, 2022, 8, 540-542.	0.8	1
106	Predictors of Metastatic Lymph Nodes at Preoperative Staging CT in Gastric Adenocarcinoma. Tomography, 2022, 8, 1196-1207.	0.8	1
107	Tumor Diagnosis and Treatment: Imaging Assessment. Tomography, 2022, 8, 1463-1465.	0.8	1
108	Contrast-Specific Imaging Techniques: Methodological Point of View. , 2005, , 71-76.		0

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109	Classificazione dei mezzi di contrasto a base di microbolle. , 2007, , 1-6.		0
110	Ultrasound of the Kidney. Medical Radiology, 2010, , 87-127.	0.0	0
111	Obstructive Uropathy, Pyonephrosis, and Reflux Nephropathy in Adults. Medical Radiology, 2010, , 357-393.	0.0	0
112	Sternal transplant using cadaveric allograft: quantitative and qualitative assessment of bone healing by computed tomography. Quantitative Imaging in Medicine and Surgery, 2021, 11, 502-509.	1.1	0
113	Can rapid antibody tests and chest computed tomography really substitute realâ€time polymerase chain reaction in COVIDâ€19?. Journal of Medical Virology, 2022, 94, 18-19.	2.5	0
114	Reconstruction of the dynamic in a fatal traffic accident with prolonged dragging of the victim. Legal Medicine, 2021, 53, 101963.	0.6	0
115	Pretherapeutic Diagnosis and Staging. Updates in Surgery Series, 2013, , 9-26.	0.0	0
116	Obstructive Uropathy, Pyonephrosis, and Reflux Nephropathy in Adults. Medical Radiology, 2014, , 353-389.	0.0	0
117	Chronic Inflammatory Bowel Disease. , 2019, , 347-363.		0
118	Linee guida europee nellâ€™impiego dei mezzi di contrasto ecografici a livello epatico. , 2007, , 105-108.		0
119	Valutazione della perfusione renale. , 2007, , 133-141.		0
120	Caratterizzazione di lesioni focali epatiche. , 2007, , 21-43.		0
121	Applicazione dei mezzi di contrasto ecografici nelle lesioni focali del fegato steatosico, nelle lesioni epatiche rare e nelle pseudolesioni del fegato. , 2007, , 45-62.		0
122	Identificazione delle metastasi epatiche. , 2007, , 63-74.		0