

Sasan Partovi

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

1,832
citations

361296

20
h-index

330025

37
g-index

119
all docs

119
docs citations

119
times ranked

2921
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiomic features from the peritumoral brain parenchyma on treatment-naïve multi-parametric MR imaging predict long versus short-term survival in glioblastoma multiforme: Preliminary findings. <i>European Radiology</i> , 2017, 27, 4188-4197.	2.3	210
2	Radiogenomic analysis of hypoxia pathway is predictive of overall survival in Glioblastoma. <i>Scientific Reports</i> , 2018, 8, 7.	1.6	113
3	Dynamic contrast-enhanced magnetic resonance imaging: fundamentals and application to the evaluation of the peripheral perfusion. <i>Cardiovascular Diagnosis and Therapy</i> , 2014, 4, 147-64.	0.7	75
4	Computational fluid dynamics in patients with continuous-flow left ventricular assist device support show hemodynamic alterations in the ascending aorta. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 1326-1333.e1.	0.4	65
5	Can thrombus age guide thrombolytic therapy?. <i>Cardiovascular Diagnosis and Therapy</i> , 2017, 7, S186-S196.	0.7	58
6	Clinical oncologic applications of PET/MRI: a new horizon. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 4, 202-12.	1.0	54
7	Inferior vena cava filter “comprehensive overview of current indications, techniques, complications and retrieval rates. <i>Vasa - European Journal of Vascular Medicine</i> , 2020, 49, 449-462.	0.6	47
8	Influence of LVAD Cannula Outflow Tract Location on Hemodynamics in the Ascending Aorta. <i>ASAIO Journal</i> , 2012, 58, 562-567.	0.9	46
9	Congenital anomalies of the IVC”embryological perspective and clinical relevance. <i>Cardiovascular Diagnosis and Therapy</i> , 2016, 6, 482-492.	0.7	45
10	Imaging of musculoskeletal manifestations in sickle cell disease patients. <i>British Journal of Radiology</i> , 2017, 90, 20160130.	1.0	44
11	Fast MRI breast cancer screening “Ready for prime time. <i>Clinical Imaging</i> , 2020, 60, 160-168.	0.8	35
12	Comparison of Hemodynamics in the Ascending Aorta Between Pulsatile and Continuous Flow Left Ventricular Assist Devices Using Computational Fluid Dynamics Based on Computed Tomography Images. <i>Artificial Organs</i> , 2014, 38, 142-148.	1.0	34
13	Effects of Covert and Overt Paradigms in Clinical Language fMRI. <i>Academic Radiology</i> , 2012, 19, 518-525.	1.3	32
14	Diffusion-weighted imaging in musculoskeletal radiology-clinical applications and future directions. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 740-53.	1.1	28
15	Imaging of atherosclerosis. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 5-12.	0.7	27
16	Contrast imaging ultrasound for the detection and characterization of carotid vulnerable plaque. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 965-981.	0.7	26
17	Hybrid PET/MR imaging in two sarcoma patients - clinical benefits and implications for future trials. <i>International Journal of Clinical and Experimental Medicine</i> , 2014, 7, 640-8.	1.3	26
18	The role of advanced reconstruction algorithms in cardiac CT. <i>Cardiovascular Diagnosis and Therapy</i> , 2017, 7, 527-538.	0.7	23

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19	Minimally invasive treatments for venous compression syndromes. <i>Cardiovascular Diagnosis and Therapy</i> , 2016, 6, 582-592.	0.7	22
20	Assessment of microcirculation by contrast-enhanced ultrasound: a new approach in vascular medicine. <i>Swiss Medical Weekly</i> , 2015, 145, w14047.	0.8	22
21	Society of Interventional Radiology Position Statement on the Role of Percutaneous Ablation in Renal Cell Carcinoma. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 189-194.e3.	0.2	21
22	Evolving clinical applications of contrast-enhanced ultrasound (CEUS) in the abdominal aorta. <i>Cardiovascular Diagnosis and Therapy</i> , 2018, 8, S118-S130.	0.7	20
23	Combined automated 3D volumetry by pulmonary CT angiography and echocardiography for detection of pulmonary hypertension. <i>European Radiology</i> , 2019, 29, 6059-6068.	2.3	20
24	ECG-triggered non-enhanced MR angiography of peripheral arteries in comparison to DSA in patients with peripheral artery occlusive disease. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2013, 26, 271-280.	1.1	19
25	State of the art: utility of multi-energy CT in the evaluation of pulmonary vasculature. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1509-1524.	0.7	19
26	Acute Pulmonary Embolism: Imaging Techniques, Findings, Endovascular Treatment and Differential Diagnoses. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2020, 192, 38-49.	0.7	19
27	Contrast-enhanced ultrasound after endovascular aortic repair-current status and future perspectives. <i>Cardiovascular Diagnosis and Therapy</i> , 2015, 5, 454-63.	0.7	19
28	Computed tomography-guided percutaneous biopsy for vertebral neoplasms: a department's experience and hybrid biopsy technique to improve yield. <i>Neurosurgical Focus</i> , 2016, 41, E17.	1.0	18
29	Contrast-enhanced Ultrasound Guidance for Interventional Procedures. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 2541-2557.	0.8	18
30	Review of Recent Results using Computational Fluid Dynamics Simulations in Patients Receiving Mechanical Assist Devices for End-Stage Heart Failure. <i>Methodist DeBaakey Cardiovascular Journal</i> , 2021, 10, 185.	0.5	17
31	Use of novel oral anticoagulant agents in venous thromboembolism. <i>Cardiovascular Diagnosis and Therapy</i> , 2016, 6, 570-581.	0.7	17
32	Multimodality imaging assessment of endoleaks post-endovascular aortic repair. <i>British Journal of Radiology</i> , 2018, 91, 20180013.	1.0	17
33	State-of-the-art aortic imaging: Part II - applications in transcatheter aortic valve replacement and endovascular aortic aneurysm repair. <i>Vasa - European Journal of Vascular Medicine</i> , 2014, 43, 6-26.	0.6	17
34	Contrast enhanced ultrasound guided biopsies of liver lesions not visualized on standard B-mode ultrasound—preliminary experience. <i>Journal of Gastrointestinal Oncology</i> , 2017, 8, 1056-1064.	0.6	16
35	Mass Effect Deformation Heterogeneity (MEDH) on Gadolinium-contrast T1-weighted MRI is associated with decreased survival in patients with right cerebral hemisphere Glioblastoma: A feasibility study. <i>Scientific Reports</i> , 2019, 9, 1145.	1.6	16
36	Assessing the end-organ in peripheral arterial occlusive disease—from contrast-enhanced ultrasound to blood-oxygen-level-dependent MR imaging. <i>Cardiovascular Diagnosis and Therapy</i> , 2014, 4, 165-72.	0.7	16

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37	Magnetic Resonance/Positron Emission Tomography (MR/PET) Oncologic Applications: Bone and Soft Tissue Sarcoma. <i>Seminars in Roentgenology</i> , 2014, 49, 345-352.	0.2	15
38	Automated 3D Volumetry of the Pulmonary Arteries based on Magnetic Resonance Angiography Has Potential for Predicting Pulmonary Hypertension. <i>PLoS ONE</i> , 2016, 11, e0162516.	1.1	15
39	Multimodality Imaging and Endovascular Treatment Options of Subclavian Steal Syndrome. <i>Canadian Association of Radiologists Journal</i> , 2018, 69, 493-507.	1.1	15
40	Contrast-enhanced ultrasound of the abdominal aorta – current status and future perspectives. <i>Vasa - European Journal of Vascular Medicine</i> , 2019, 48, 115-125.	0.6	15
41	Advanced Noncontrast MR Imaging in Musculoskeletal Radiology. <i>Radiologic Clinics of North America</i> , 2015, 53, 549-567.	0.9	14
42	Role of imaging in diagnosis and management of left ventricular assist device complications. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1365-1377.	0.7	14
43	Long term follow-up of endo-vascular recanalization of chronic inferior vena cava occlusion secondary to inferior vena cava filters. <i>Vasa - European Journal of Vascular Medicine</i> , 2017, 46, 121-126.	0.6	14
44	Assessment of cutaneous microcirculation in unaffected skin regions by transcutaneous oxygen saturation monitoring and Laser Doppler flowmetry in systemic sclerosis. <i>Clinical Hemorheology and Microcirculation</i> , 2015, 60, 263-271.	0.9	13
45	Cone-beam computed tomography improves the detection of injured vessels and involved vascular territories in patients with bleeding of uncertain origin. <i>British Journal of Radiology</i> , 2018, 91, 20170562.	1.0	13
46	Lower extremity CT angiography in peripheral arterial disease: from the established approach to evolving technical developments. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 3101-3114.	0.7	13
47	Quantitative dynamic contrast-enhanced ultrasound for the functional evaluation of the skeletal muscle microcirculation in systemic sclerosis. <i>Clinical Hemorheology and Microcirculation</i> , 2016, 62, 35-44.	0.9	12
48	Initial experience of MR/PET in a clinical cancer center. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 768-780.	1.9	11
49	Use of novel oral anticoagulant agents in atrial fibrillation: current evidence and future perspective. <i>Cardiovascular Diagnosis and Therapy</i> , 2014, 4, 314-23.	0.7	11
50	Portal Vein Thrombosis: Diagnosis and Endovascular Management. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2022, 194, 169-180.	0.7	11
51	CT-Guided Translumbar Placement of Permanent Catheters in the Inferior Vena Cava: Description of the Technique with Technical Success and Complications Data. <i>CardioVascular and Interventional Radiology</i> , 2018, 41, 1356-1362.	0.9	10
52	Image guided percutaneous gastrostomy catheter placement: How we do it safely and efficiently. <i>World Journal of Gastroenterology</i> , 2020, 26, 383-392.	1.4	10
53	Image quality assessment of automatic three-segment MR attenuation correction vs. CT attenuation correction. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 3, 291-9.	1.0	10
54	Hepatic Encephalopathy After TIPS Placement: Predictive Factors, Prevention Strategies, and Management. <i>CardioVascular and Interventional Radiology</i> , 2022, 45, 570-577.	0.9	10

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55	The Radiologist Will See You Now: Patients's™ Perceptions of an Outpatient Interventional Clinic. <i>Current Problems in Diagnostic Radiology</i> , 2016, 45, 137-138.	0.6	9
56	Real-time MRI-guided percutaneous sclerotherapy of low-flow head and neck lymphatic malformations in the pediatric population – a stepwise approach. <i>Pediatric Radiology</i> , 2017, 47, 755-760.	1.1	9
57	Role of multi-parametric ultrasound in transient perivascular inflammation of the carotid artery syndrome. <i>Ultrasound</i> , 2019, 27, 77-84.	0.3	9
58	Diagnostic performance of an automated analysis software for the diagnosis of Alzheimer's dementia with F FDG PET. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 7, 12-23.	1.0	9
59	Detection Of Adventitial Vasa Vasorum And Intraplaque Neovascularization In Carotid Atherosclerotic Lesions With Contrast-Enhanced Ultrasound And Their Role In Atherosclerosis. <i>Methodist DeBakey Cardiovascular Journal</i> , 2011, 7, 37-40.	0.5	8
60	The impact of orthopedic metal artifact reduction software on interreader variability when delineating areas of interest in the head and neck. <i>Practical Radiation Oncology</i> , 2015, 5, e309-e315.	1.1	8
61	Imaging work-up and endovascular treatment options for aorto-enteric fistula. <i>Cardiovascular Diagnosis and Therapy</i> , 2018, 8, S200-S207.	0.7	8
62	Magnetic resonance imaging as a tool to assess reliability in simulating hemodynamics in cerebral aneurysms with a dedicated computational fluid dynamics prototype: preliminary results. <i>Cardiovascular Diagnosis and Therapy</i> , 2014, 4, 207-12.	0.7	7
63	Implications and limitations of the PREPIC2 study – the interventionist's™ perspective. <i>Cardiovascular Diagnosis and Therapy</i> , 2016, 6, 259-261.	0.7	6
64	Acute pulmonary embolism multimodality imaging prior to endovascular therapy. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 343-358.	0.7	6
65	Intravascular ultrasound in the diagnosis and treatment of central venous diseases. <i>Vasa - European Journal of Vascular Medicine</i> , 2021, 50, 2-10.	0.6	6
66	State-of-the-art pulmonary arterial imaging – Part 1. <i>Vasa - European Journal of Vascular Medicine</i> , 2018, 47, 345-359.	0.6	6
67	State-of-the-art pulmonary arterial imaging – Part 2. <i>Vasa - European Journal of Vascular Medicine</i> , 2018, 47, 361-375.	0.6	5
68	Hemodynamic assessment of partial mechanical circulatory support: data derived from computed tomography angiographic images and computational fluid dynamics. <i>Cardiovascular Diagnosis and Therapy</i> , 2015, 5, 160-5.	0.7	5
69	Prospective Study of Low-Radiation and Low-Iodine Dose Aortic CT Angiography in Obese and Non-Obese Patients: Image Quality and Impact of Patient Characteristics. <i>Diagnostics</i> , 2022, 12, 675.	1.3	5
70	Advanced portal venous access techniques for transjugular intrahepatic portosystemic shunt placement. <i>BMJ Open Gastroenterology</i> , 2021, 8, e000815.	1.1	5
71	Perivascular Perfusion on Contrast-Enhanced Ultrasound (CEUS) Is Associated with Inflammation in Patients with Acute Deep Vein Thrombosis. <i>Thrombosis and Haemostasis</i> , 2017, 117, 2146-2155.	1.8	4
72	Real-time MRI-guided percutaneous sclerotherapy treatment of venous low-flow malformations in the head and neck. <i>Phlebology</i> , 2018, 33, 344-352.	0.6	4

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73	Reliability and Accuracy of Peri-Interventional Stenosis Grading in Peripheral Artery Disease Using Color-Coded Quantitative Fluoroscopy: A Phantom Study Comparing a Clinical and Scientific Postprocessing Software. <i>BioMed Research International</i> , 2018, 2018, 1-11.	0.9	4
74	Transarterial Chemoembolization of Hepatocellular Carcinoma Using Radiopaque Drug-Eluting Embolics: How to Pursue Periprocedural Cross-Sectional Imaging?. <i>Journal of Vascular and Interventional Radiology</i> , 2019, 30, 380-389.e4.	0.2	4
75	Transarterial Chemoembolization of Hepatocellular Carcinoma Using Radiopaque Drug-Eluting Embolics: Impact of Embolic Density and Residual Tumor Perfusion on Tumor Recurrence and Survival. <i>CardioVascular and Interventional Radiology</i> , 2021, 44, 1403-1413.	0.9	4
76	Beyond stenotic degree assessment in carotid atherosclerotic lesions: single catheter near-infrared spectroscopy and intravascular ultrasound. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 201-203.	0.7	3
77	Topical issue: multimodality imaging in atherosclerosis. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1-3.	0.7	3
78	MR arthrography of the hip: diagnostic performance and image quality of 3D-steady state free precession versus 2D turbo spin echo sequences. <i>Skeletal Radiology</i> , 2018, 47, 811-819.	1.2	3
79	Competing Flow Between Partial Circulatory Support and Native Cardiac Output: A Clinical Computational Fluid Dynamics Study. <i>ASAIO Journal</i> , 2018, 64, 636-642.	0.9	3
80	Lessons learned from the PRESERVE trial. <i>British Journal of Radiology</i> , 2018, 91, 20180092.	1.0	3
81	Isolated traumatic pectoralis minor tendon tear in a young adult diagnosed with MRI. <i>Radiology Case Reports</i> , 2018, 13, 1053-1057.	0.2	3
82	Effect of Vitamin K on Coagulopathy of Liver Disease: A Single Center Retrospective Review. <i>Blood</i> , 2016, 128, 2583-2583.	0.6	3
83	Fast in vivo quantification of T1 and T2 MRI relaxation times in the myocardium based on inversion recovery SSFP with in vitro validation post Gd-based contrast administration. <i>Cardiovascular Diagnosis and Therapy</i> , 2014, 4, 88-96.	0.7	3
84	Advanced ultrasound techniques in arterial diseases. <i>International Journal of Cardiovascular Imaging</i> , 2022, 38, 1711-1721.	0.7	3
85	Diagnostic accuracy of automated 3D volumetry of cardiac chambers by CT pulmonary angiography for identification of pulmonary hypertension due to left heart disease. <i>European Radiology</i> , 2022, , 1.	2.3	3
86	Epicardial fat volume quantification by noncontrast CT: Trimming away the fat from the meat. <i>Journal of Cardiovascular Computed Tomography</i> , 2015, 9, 310-312.	0.7	2
87	Multimarker assessment for the prediction of renal function improvement after percutaneous revascularization for renal artery stenosis. <i>Cardiovascular Diagnosis and Therapy</i> , 2016, 6, 221-233.	0.7	2
88	Population based ultrasonographic screening of abdominal aortic aneurysms. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1605-1607.	0.7	2
89	Time-Resolved Three-Dimensional Contrast-Enhanced Magnetic Resonance Angiography in Patients with Chronic Expanding and Stable Aortic Dissections. <i>Contrast Media and Molecular Imaging</i> , 2017, 1-6.	0.4	2
90	Intra-procedural bronchial artery embolization planning: the usefulness of cone-beam CT. <i>Acta Radiologica</i> , 2019, 60, 1438-1444.	0.5	2

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91	Small bowel transplant: state-of-the-art vascular and nonvascular imaging. <i>Abdominal Radiology</i> , 2020, 45, 601-614.	1.0	2
92	Assessment of Clinical Outcomes, Clinical Manifestations, and Risk Factors for Hepatic Infarction After Transjugular Intrahepatic Portosystemic Shunt Placement (TIPS): A Retrospective Comparative Study. <i>CardioVascular and Interventional Radiology</i> , 2022, 45, 1512-1523.	0.9	2
93	Contrast-Enhanced Ultrasound for Guidance of Percutaneous Liver Interventions in Neoplastic Hepatic Disease. <i>Digestive Disease Interventions</i> , 2017, 01, 201-207.	0.3	1
94	Image quality of arterial phase and parenchymal blood volume (PBV) maps derived from C-arm computed tomography in the evaluation of transarterial chemoembolization. <i>Cancer Imaging</i> , 2018, 18, 16.	1.2	1
95	Multimodality versus single modality multiparametric imaging of carotid atherosclerotic disease - time to change the approach to patient evaluation?. <i>Vasa - European Journal of Vascular Medicine</i> , 2016, 45, 433-435.	0.6	1
96	Gastrointestinal Malignancies and Venous Thromboembolic Disease: Clinical Significance and Endovascular Interventions. <i>Digestive Disease Interventions</i> , 2020, 04, 260-266.	0.3	1
97	Varicosities of the lower extremity, new approaches: cosmetic or therapeutic needs?. <i>Swiss Medical Weekly</i> , 2016, 146, w14360.	0.8	1
98	End-organ dysfunction in peripheral arterial disease â€“ it is all about the skeletal muscle microvasculature. <i>Vasa - European Journal of Vascular Medicine</i> , 2018, 47, 255-257.	0.6	1
99	Endovascular Treatment of Pulmonary Arteriovenous Malformations: How We Do It. <i>The Arab Journal of Interventional Radiology</i> , 2018, 2, 64-70.	0.1	1
100	Less of a good thing â€“ the paradox of reduced multidisciplinary team decision-making. <i>Vasa - European Journal of Vascular Medicine</i> , 2019, 48, 203-204.	0.6	1
101	Risk of hernia-related complications after transjugular intrahepatic portosystemic shunt creation in patients with pre-existing ventral abdominal hernias: 15-year experience at a quaternary medical center. <i>BMJ Open Gastroenterology</i> , 2022, 9, e000876.	1.1	1
102	Endovascular Management of Nonvariceal Upper Gastrointestinal Bleeding. <i>Digestive Disease Interventions</i> , 2018, 02, 388-394.	0.3	0
103	Diffusion-weighted MR in chronic periaortitis, a new technique has entered the clinical arena. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 1787-1788.	0.7	0
104	Topical issue: advanced imaging and endovascular treatment in pulmonary artery diseases. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1405-1406.	0.7	0
105	Severe Outflow Obstruction After Liver Transplantation: Rescue Stapled Cavoâ€“Cavostomy via the Right Atrial Approach and Hypothermic Circulatory Arrest. <i>Liver Transplantation</i> , 2021, 27, 763-766.	1.3	0
106	Over-the-Wire Inferior Vena Cava Filter Placement: How We Do It. <i>Seminars in Interventional Radiology</i> , 2021, 38, 243-250.	0.3	0
107	Comment on Adar et al, page 106 - 114 Calcifications in the aortic arch on chest x-ray - Incidental finding or valuable surrogate marker for cardiovascular risk?. <i>Vasa - European Journal of Vascular Medicine</i> , 2015, 44, 83-84.	0.6	0
108	Advanced venous imaging and image-guided venous interventions. <i>Cardiovascular Diagnosis and Therapy</i> , 2016, 6, 470-472.	0.7	0

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109	MR Arthrography of the Hip: Diagnostic Performance and Image Quality of 3D Steady-State Free Precession versus 2D Turbo Spin-Echo Sequences. <i>Seminars in Musculoskeletal Radiology</i> , 2017, 21, S1-S5.	0.4	0
110	Pancreatic Transplant Pseudoaneurysm Mimicking Left Lower Quadrant Abscess. , 2017, 01, .		0
111	Technical Success Rates of Contrast-Enhanced Ultrasound-Guided Biopsy of Hepatic Lesions. <i>Digestive Disease Interventions</i> , 2017, 01, .	0.3	0
112	Endovascular Treatment Approaches and Stent Patency in Chronic Mesenteric Ischemia. , 2017, 01, .		0
113	The need for standardised language and classifications in the forthcoming era of structured reporting. <i>Vasa - European Journal of Vascular Medicine</i> , 2018, 47, 439-440.	0.6	0
114	Diagnostic work-up and endovascular treatment of traumatic and non-traumatic vascular emergencies. <i>Vasa - European Journal of Vascular Medicine</i> , 2019, 48, 5-5.	0.6	0
115	Endovascular Management of Nonvariceal Upper Gastrointestinal Bleeding. , 2019, 03, .		0
116	New horizons in cardiovascular magnetic resonance imaging. <i>Cardiovascular Diagnosis and Therapy</i> , 2014, 4, 54-5.	0.7	0
117	Intraluminal Carotid Artery Thrombus: The "Donut" Sign on Contrast-Enhanced Ultrasound. <i>Vascular and Endovascular Surgery</i> , 2022, 56, 641-643.	0.3	0
118	Portal Pressure Measurements: Locations, Implications, and State of the Art. <i>Digestive Disease Interventions</i> , 0, , .	0.3	0