

# Gilles Soulez

## List of Publications by Citations

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203  
papers

5,632  
citations

35  
h-index

67  
g-index

227  
ext. papers

6,487  
ext. citations

4.5  
avg, IF

5.24  
L-index

#	Paper	IF	Citations
203	Carotid artery stenting compared with endarterectomy in patients with symptomatic carotid stenosis (International Carotid Stenting Study): an interim analysis of a randomised controlled trial. <i>Lancet, The</i> , <b>2010</b> , 375, 985-97	40	957
202	Automatic navigation of an untethered device in the artery of a living animal using a conventional clinical magnetic resonance imaging system. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 114105	3.4	257
201	Soft-tissue venous malformations in adult patients: imaging and therapeutic issues. <i>Radiographics</i> , <b>2001</b> , 21, 1519-31	5.4	206
200	Co-encapsulation of magnetic nanoparticles and doxorubicin into biodegradable microcarriers for deep tissue targeting by vascular MRI navigation. <i>Biomaterials</i> , <b>2011</b> , 32, 3481-6	15.6	183
199	Arterial embolotherapy for upper gastrointestinal hemorrhage: outcome assessment. <i>Journal of Vascular and Interventional Radiology</i> , <b>2001</b> , 12, 195-200	2.4	182
198	Contrast-induced nephropathy in patients with chronic kidney disease undergoing computed tomography: a double-blind comparison of iodixanol and iopamidol. <i>Investigative Radiology</i> , <b>2006</b> , 41, 815-21	10.1	153
197	Three-dimensional C-arm cone-beam CT: applications in the interventional suite. <i>Journal of Vascular and Interventional Radiology</i> , <b>2008</b> , 19, 799-813	2.4	141
196	Segmentation in ultrasonic B-mode images of healthy carotid arteries using mixtures of Nakagami distributions and stochastic optimization. <i>IEEE Transactions on Medical Imaging</i> , <b>2009</b> , 28, 215-29	11.7	111
195	Intravascular ultrasound image segmentation: a three-dimensional fast-marching method based on gray level distributions. <i>IEEE Transactions on Medical Imaging</i> , <b>2006</b> , 25, 590-601	11.7	109
194	Noninvasive vascular elastography: theoretical framework. <i>IEEE Transactions on Medical Imaging</i> , <b>2004</b> , 23, 164-80	11.7	109
193	Noninvasive vascular elastography: toward a complementary characterization tool of atherosclerosis in carotid arteries. <i>Ultrasound in Medicine and Biology</i> , <b>2007</b> , 33, 1841-58	3.5	104
192	Effects of Insulin Glargine and Liraglutide Therapy on Liver Fat as Measured by Magnetic Resonance in Patients With Type 2 Diabetes: A Randomized Trial. <i>Diabetes Care</i> , <b>2015</b> , 38, 1339-46	14.6	84
191	Endovascular Proximal Forearm Arteriovenous Fistula for Hemodialysis Access: Results of the Prospective, Multicenter Novel Endovascular Access Trial (NEAT). <i>American Journal of Kidney Diseases</i> , <b>2017</b> , 70, 486-497	7.4	78
190	The Jonas study: evaluation of the retrievability of the Cordis OptEase inferior vena cava filter. <i>Journal of Vascular and Interventional Radiology</i> , <b>2005</b> , 16, 1439-45; quiz 1445	2.4	75
189	Embolization of pulmonary arteriovenous malformations with amplatzer vascular plugs: safety and midterm effectiveness. <i>Journal of Vascular and Interventional Radiology</i> , <b>2010</b> , 21, 649-56	2.4	73
188	Three-dimensional C-arm cone-beam CT: applications in the interventional suite. <i>Journal of Vascular and Interventional Radiology</i> , <b>2009</b> , 20, S523-37	2.4	65
187	Segmentation of plaques in sequences of ultrasonic B-mode images of carotid arteries based on motion estimation and a Bayesian model. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2011</b> , 58,	5	62

186	Noninvasive vascular elastography for carotid artery characterization on subjects without previous history of atherosclerosis. <i>Medical Physics</i> , <b>2008</b> , 35, 3436-43	4.4	58
185	Imaging of renovascular hypertension: respective values of renal scintigraphy, renal Doppler US, and MR angiography. <i>Radiographics</i> , <b>2000</b> , 20, 1355-68; discussion 1368-72	5.4	57
184	Endothelial stress induces the release of vitamin D-binding protein, a novel growth factor. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 338, 1374-82	3.4	55
183	Measurements and detection of abdominal aortic aneurysm growth: Accuracy and reproducibility of a segmentation software. <i>European Journal of Radiology</i> , <b>2012</b> , 81, 1688-94	4.7	50
182	Implant degradation and poor healing after endovascular repair of abdominal aortic aneurysms: an analysis of explanted stent-grafts. <i>Journal of Endovascular Therapy</i> , <b>2006</b> , 13, 457-67	2.5	49
181	Prospective Cohort Study of Nephrogenic Systemic Fibrosis in Patients With Stage 3-5 Chronic Kidney Disease Undergoing MRI With Injected Gadobenate Dimeglumine or Gadoteridol. <i>American Journal of Roentgenology</i> , <b>2015</b> , 205, 469-78	5.4	47
180	Characterisation of carotid plaques with ultrasound elastography: feasibility and correlation with high-resolution magnetic resonance imaging. <i>European Radiology</i> , <b>2013</b> , 23, 2030-41	8	47
179	Recovery G2 inferior vena cava filter: technical success and safety of retrieval. <i>Journal of Vascular and Interventional Radiology</i> , <b>2008</b> , 19, 884-9	2.4	45
178	Pain and quality of life assessment after endovascular versus open repair of abdominal aortic aneurysms in patients at low risk. <i>Journal of Vascular and Interventional Radiology</i> , <b>2005</b> , 16, 1093-100	2.4	45
177	Percutaneous embolization of iatrogenic arterial kidney injuries: safety, efficacy, and impact on blood pressure and renal function. <i>Journal of Vascular and Interventional Radiology</i> , <b>2011</b> , 22, 1563-8	2.4	43
176	Nitrogen-rich coatings for promoting healing around stent-grafts after endovascular aneurysm repair. <i>Biomaterials</i> , <b>2007</b> , 28, 1209-17	15.6	42
175	Renal artery stenosis evaluation: diagnostic performance of gadobenate dimeglumine-enhanced MR angiography--comparison with DSA. <i>Radiology</i> , <b>2008</b> , 247, 273-85	20.5	41
174	Bronchial artery embolization in adults with cystic fibrosis: impact on the clinical course and survival. <i>Journal of Vascular and Interventional Radiology</i> , <b>2006</b> , 17, 953-8	2.4	40
173	Stent-graft placement for the treatment of thoracic aortic diseases. <i>Radiographics</i> , <b>2005</b> , 25, 157-73	5.4	39
172	Detection of renal artery stenosis: prospective comparison of captopril-enhanced Doppler sonography, captopril-enhanced scintigraphy, and MR angiography. <i>American Journal of Roentgenology</i> , <b>2001</b> , 177, 1123-9	5.4	39
171	Prediction of clinical response after renal angioplasty: respective value of renal Doppler sonography and scintigraphy. <i>American Journal of Roentgenology</i> , <b>2003</b> , 181, 1029-35	5.4	38
170	CT and MR imaging of nitinol stents with radiopaque distal markers. <i>Journal of Vascular and Interventional Radiology</i> , <b>2004</b> , 15, 615-24	2.4	38
169	Source of errors and accuracy of a two-dimensional/three-dimensional fusion road map for endovascular aneurysm repair of abdominal aortic aneurysm. <i>Journal of Vascular and Interventional Radiology</i> , <b>2015</b> , 26, 544-51	2.4	37

168	Gadolinium-enhanced pulmonary magnetic resonance angiography in the diagnosis of acute pulmonary embolism: a prospective study on 48 patients. <i>Clinical Imaging</i> , <b>2006</b> , 30, 166-72	2.7	34
167	Endovascular shear strain elastography for the detection and characterization of the severity of atherosclerotic plaques: in vitro validation and in vivo evaluation. <i>Ultrasound in Medicine and Biology</i> , <b>2014</b> , 40, 890-903	3.5	33
166	Clinical validation of a software for quantitative follow-up of abdominal aortic aneurysm maximal diameter and growth by CT angiography. <i>European Journal of Radiology</i> , <b>2011</b> , 77, 502-8	4.7	33
165	Vulnerable atherosclerotic carotid plaque evaluation by ultrasound, computed tomography angiography, and magnetic resonance imaging: an overview. <i>Canadian Association of Radiologists Journal</i> , <b>2014</b> , 65, 275-86	3.9	32
164	New Treatment Approaches to Arteriovenous Malformations. <i>Seminars in Interventional Radiology</i> , <b>2017</b> , 34, 258-271	1.6	32
163	Digital subtraction angiography of the abdominal aorta and lower extremities: carbon dioxide versus iodinated contrast material. <i>Journal of Vascular and Interventional Radiology</i> , <b>1999</b> , 10, 723-31	2.4	32
162	Graft durability and fatigue after in situ fenestration of endovascular stent grafts using radiofrequency puncture and balloon dilatation. <i>European Journal of Vascular and Endovascular Surgery</i> , <b>2014</b> , 47, 501-8	2.3	31
161	A multimodality vascular imaging phantom with fiducial markers visible in DSA, CTA, MRA, and ultrasound. <i>Medical Physics</i> , <b>2004</b> , 31, 1424-33	4.4	31
160	Rupture signs on computed tomography, treatment, and outcome of abdominal aortic aneurysms. <i>Insights Into Imaging</i> , <b>2014</b> , 5, 281-93	5.6	30
159	Carotid Artery Plaque Vulnerability Assessment Using Noninvasive Ultrasound Elastography: Validation With MRI. <i>American Journal of Roentgenology</i> , <b>2017</b> , 209, 142-151	5.4	30
158	A new injectable radiopaque chitosan-based sclerosing embolizing hydrogel for endovascular therapies. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 2712-21	10.8	30
157	Fast-marching segmentation of three-dimensional intravascular ultrasound images: a pre- and post-intervention study. <i>Medical Physics</i> , <b>2010</b> , 37, 3633-47	4.4	30
156	Performance evaluation of a medical robotic 3D-ultrasound imaging system. <i>Medical Image Analysis</i> , <b>2008</b> , 12, 275-90	15.4	29
155	Balloon dilation and stent placement for esophageal lesions: indications, methods, and results. <i>Radiographics</i> , <b>2003</b> , 23, 89-105	5.4	29
154	A computer-assisted protocol for endovascular target interventions using a clinical MRI system for controlling untethered microdevices and future nanorobots. <i>Computer Aided Surgery</i> , <b>2008</b> , 13, 340-52		27
153	Adrenal Vein Sampling in Primary Aldosteronism: Sensitivity and Specificity of Basal Adrenal Vein to Peripheral Vein Cortisol and Aldosterone Ratios to Confirm Catheterization of the Adrenal Vein. <i>Radiology</i> , <b>2015</b> , 277, 887-94	20.5	25
152	A comparison of the efficacy and safety of iopamidol-370 and iodixanol-320 in patients undergoing multidetector-row computed tomography. <i>Investigative Radiology</i> , <b>2007</b> , 42, 856-61	10.1	25
151	Endovascular aortic aneurysm repair with stent-grafts: experimental models can reproduce endoleaks. <i>Journal of Vascular and Interventional Radiology</i> , <b>2004</b> , 15, 971-9	2.4	24

150	Magnetic Resonance Navigation of a Bead Inside a Three-Bifurcation PMMA Phantom Using an Imaging Gradient Coil Insert. <i>IEEE Transactions on Robotics</i> , <b>2014</b> , 30, 719-727	6.5	22
149	A new radiopaque embolizing agent for the treatment of endoleaks after endovascular repair: influence of contrast agent on chitosan thermogel properties. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2013</b> , 101, 153-61	3.5	22
148	Intra-Arterial Image Guidance With Optical Frequency Domain Reflectometry Shape Sensing. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 482-492	11.7	22
147	In vivo antegrade fenestration of abdominal aortic stent-grafts. <i>Journal of Endovascular Therapy</i> , <b>2007</b> , 14, 158-67	2.5	21
146	Diagnosis and treatment of renovascular hypertension: a cost-benefit analysis. <i>American Journal of Roentgenology</i> , <b>2005</b> , 184, 931-7	5.4	21
145	Percutaneous revascularization of the renal arteries: predictors of outcome. <i>Journal of Vascular and Interventional Radiology</i> , <b>2000</b> , 11, 713-20	2.4	21
144	Flow stagnation volume and abdominal aortic aneurysm growth: Insights from patient-specific computational flow dynamics of Lagrangian-coherent structures. <i>Computers in Biology and Medicine</i> , <b>2018</b> , 92, 98-109	7	21
143	Radiofrequency perforation system for in vivo antegrade fenestration of aortic stent-grafts. <i>Journal of Endovascular Therapy</i> , <b>2010</b> , 17, 192-8	2.5	20
142	Geometrical accuracy and fusion of multimodal vascular images: a phantom study. <i>Medical Physics</i> , <b>2004</b> , 31, 1434-43	4.4	20
141	Aortoduodenal fistula occurring after type II endoleak treatment with coil embolization of the aortic sac. <i>Journal of Vascular Surgery</i> , <b>2003</b> , 37, 461-4	3.5	20
140	External beam radiation to prevent restenosis after superficial femoral artery balloon angioplasty. <i>Circulation</i> , <b>2005</b> , 111, 3310-5	16.7	20
139	Development of a Coflowing Device for the Size-Controlled Preparation of Magnetic-Polymeric Microspheres as Embolization Agents in Magnetic Resonance Navigation Technology. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 1092-1102	5.5	19
138	Reproducibility of abdominal aortic aneurysm diameter measurement and growth evaluation on axial and multiplanar computed tomography reformations. <i>CardioVascular and Interventional Radiology</i> , <b>2012</b> , 35, 779-87	2.7	19
137	Simultaneous assessment of liver volume and whole liver fat content: a step towards one-stop shop preoperative MRI protocol. <i>European Radiology</i> , <b>2011</b> , 21, 301-9	8	19
136	Infrarenal aortic stenosis: value of stent placement after percutaneous transluminal angioplasty failure. <i>Radiology</i> , <b>2001</b> , 219, 655-62	20.5	19
135	A Robotic Ultrasound Scanner for Automatic Vessel Tracking and Three-Dimensional Reconstruction of B-Mode Images. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2016</b> , 63, 35-46	3.2	18
134	Assessment of Carotid Artery Plaque Components With Machine Learning Classification Using Homodyned-K Parametric Maps and Elastograms. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2019</b> , 66, 493-504	3.2	18
133	Chitosan-doxycycline hydrogel: An MMP inhibitor/sclerosing embolizing agent as a new approach to endoleak prevention and treatment after endovascular aneurysm repair. <i>Acta Biomaterialia</i> , <b>2017</b> , 64, 94-105	10.8	18

132	Bilomas developing after laparoscopic biliary surgery: percutaneous management with embolization of biliary leaks. <i>Journal of Vascular and Interventional Radiology</i> , <b>1997</b> , 8, 469-73	2.4	18
131	In vivo demonstration of magnetic guidewire steerability in a MRI system with additional gradient coils. <i>Medical Physics</i> , <b>2015</b> , 42, 969-76	4.4	17
130	Assessment of arterial stenosis in a flow model with power Doppler angiography: accuracy and observations on blood echogenicity. <i>Ultrasound in Medicine and Biology</i> , <b>2000</b> , 26, 1489-501	3.5	17
129	Finite element analysis of abdominal aortic aneurysms: geometrical and structural reconstruction with application of an anisotropic material model. <i>IMA Journal of Applied Mathematics</i> , <b>2014</b> , 79, 1011-1026	1.6	16
128	A multimodality vascular imaging phantom of an abdominal aortic aneurysm with a visible thrombus. <i>Medical Physics</i> , <b>2013</b> , 40, 063701	4.4	16
127	A literature review of the numerical analysis of abdominal aortic aneurysms treated with endovascular stent grafts. <i>Computational and Mathematical Methods in Medicine</i> , <b>2012</b> , 2012, 820389	2.8	16
126	Noninvasive vascular ultrasound elastography applied to the characterization of experimental aneurysms and follow-up after endovascular repair. <i>Physics in Medicine and Biology</i> , <b>2008</b> , 53, 6475-90	3.8	16
125	Type I and collateral flow in experimental aneurysm models treated with stent-grafts. <i>Journal of Vascular and Interventional Radiology</i> , <b>2007</b> , 18, 265-72	2.4	16
124	Influence of multiple stenoses on echo-Doppler functional diagnosis of peripheral arterial disease: a numerical and experimental study. <i>Annals of Biomedical Engineering</i> , <b>2006</b> , 34, 564-74	4.7	16
123	Carotid Plaque Vulnerability Assessment Using Ultrasound Elastography and Echogenicity Analysis. <i>American Journal of Roentgenology</i> , <b>2018</b> , 211, 847-855	5.4	16
122	Automatic detection of selective arterial devices for advanced visualization during abdominal aortic aneurysm endovascular repair. <i>Medical Engineering and Physics</i> , <b>2015</b> , 37, 979-86	2.4	15
121	Dynamic contrast-enhanced MRI to assess hepatocellular carcinoma response to Transarterial chemoembolization using LI-RADS criteria: A pilot study. <i>Magnetic Resonance Imaging</i> , <b>2019</b> , 62, 78-86	3.3	15
120	A 3-D ultrasound imaging robotic system to detect and quantify lower limb arterial stenoses: in vivo feasibility. <i>Ultrasound in Medicine and Biology</i> , <b>2014</b> , 40, 232-43	3.5	15
119	A local angle compensation method based on kinematics constraints for non-invasive vascular axial strain computations on human carotid arteries. <i>Computerized Medical Imaging and Graphics</i> , <b>2014</b> , 38, 123-36	7.6	15
118	Morphologic evaluation of ruptured and symptomatic abdominal aortic aneurysm by three-dimensional modeling. <i>Journal of Vascular Surgery</i> , <b>2014</b> , 59, 894-902.e3	3.5	15
117	MR imaging of therapeutic magnetic microcarriers guided by magnetic resonance navigation for targeted liver chemoembolization. <i>CardioVascular and Interventional Radiology</i> , <b>2014</b> , 37, 784-90	2.7	15
116	Multimodality vascular imaging phantoms: a new material for the fabrication of realistic 3D vessel geometries. <i>Medical Physics</i> , <b>2009</b> , 36, 3758-63	4.4	15
115	Intravascular Ultrasound Image Segmentation: A Fast-Marching Method. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 432-439	0.9	15

114	Experimental validation of more realistic computer models for stent-graft repair of abdominal aortic aneurysms, including pre-load assessment. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2016</b> , 32, e02769	2.6	14
113	Pulmonary arteriovenous malformation (PAVM) reperfusion after percutaneous embolization: Sensitivity and specificity of non-enhanced CT. <i>European Journal of Radiology</i> , <b>2016</b> , 85, 150-157	4.7	14
112	Clinical validation of semi-automated software for volumetric and dynamic contrast enhancement analysis of soft tissue venous malformations on magnetic resonance imaging examination. <i>European Radiology</i> , <b>2014</b> , 24, 542-51	8	14
111	Design of iterative ROI transmission tomography reconstruction procedures and image quality analysis. <i>Medical Physics</i> , <b>2010</b> , 37, 4577-89	4.4	14
110	3D elastic registration of vessel structures from IVUS data on biplane angiography. <i>Academic Radiology</i> , <b>2005</b> , 12, 10-6	4.3	14
109	Common (Cystic) Lymphatic Malformations: Current Knowledge and Management. <i>Techniques in Vascular and Interventional Radiology</i> , <b>2019</b> , 22, 100631	2.6	14
108	Noninvasive Vascular Modulography Method for Imaging the Local Elasticity of Atherosclerotic Plaques: Simulation and In Vitro Vessel Phantom Study. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2017</b> , 64, 1805-1817	3.2	13
107	A new canine carotid artery bifurcation aneurysm model for the evaluation of neurovascular devices. <i>American Journal of Neuroradiology</i> , <b>2010</b> , 31, 967-71	4.4	13
106	Endobronchial dilation for the management of bronchial stenosis in patients after lung transplantation: effect of stent placement on survival. <i>Journal of Vascular and Interventional Radiology</i> , <b>2009</b> , 20, 912-20	2.4	13
105	Catheter-assisted totally thoracoscopic coronary artery bypass grafting: a feasibility study. <i>Annals of Thoracic Surgery</i> , <b>1997</b> , 64, 1036-40	2.7	13
104	Interventional Management of Arteriovenous Malformations. <i>Techniques in Vascular and Interventional Radiology</i> , <b>2019</b> , 22, 100633	2.6	13
103	Inflammation and Hypervascularization in a Large Animal Model of Knee Osteoarthritis: Imaging with Pathohistologic Correlation. <i>Journal of Vascular and Interventional Radiology</i> , <b>2019</b> , 30, 1116-1127	2.4	12
102	Early detection of liver steatosis by magnetic resonance imaging in rats infused with glucose and intralipid solutions and correlation to insulin levels. <i>Metabolism: Clinical and Experimental</i> , <b>2013</b> , 62, 1850-7	12.7	12
101	Adrenal vein sampling in primary aldosteronism: concordance of simultaneous vs sequential sampling. <i>European Journal of Endocrinology</i> , <b>2017</b> , 176, 159-167	6.5	12
100	256-slice CT angiographic evaluation of coronary artery bypass grafts: effect of heart rate, heart rate variability and Z-axis location on image quality. <i>PLoS ONE</i> , <b>2014</b> , 9, e91861	3.7	12
99	Validation of 3D reconstructions of a mimicked femoral artery with an ultrasound imaging robotic system. <i>Medical Physics</i> , <b>2010</b> , 37, 3868-79	4.4	12
98	Role of the endothelial lining in endoleak formation and persistence after endovascular repair of aneurysm. <i>Journal of Vascular and Interventional Radiology</i> , <b>2008</b> , 19, 1070-8	2.4	12
97	Selective embolization with magnetized microbeads using magnetic resonance navigation in a controlled-flow liver model. <i>Medical Physics</i> , <b>2019</b> , 46, 789-799	4.4	12

96	Increased carotid artery wall stiffness and plaque prevalence in HIV infected patients measured with ultrasound elastography. <i>European Radiology</i> , <b>2020</b> , 30, 3178-3187	8	11
95	Ultrasound findings in rapidly involuting congenital hemangioma (RICH) - beware of venous ectasia and venous lakes. <i>Pediatric Radiology</i> , <b>2018</b> , 48, 586-593	2.8	11
94	Magnetic Resonance Navigation for Targeted Embolization in a Two-Level Bifurcation Phantom. <i>Annals of Biomedical Engineering</i> , <b>2019</b> , 47, 2402-2415	4.7	11
93	Management of peripheral arterial disease: role of computed tomography angiography and magnetic resonance angiography. <i>Presse Medicale</i> , <b>2011</b> , 40, e437-52	2.2	11
92	Comparison of the effect of low- and iso-osmolar contrast agents on heart rate during chest CT angiography: results of a prospective randomized multicenter study. <i>Radiology</i> , <b>2011</b> , 258, 930-7	20.5	11
91	Pediatric gastrointestinal vascular anomalies: imaging and therapeutic issues. <i>Pediatric Radiology</i> , <b>2007</b> , 37, 566-74	2.8	11
90	The effects of stenting and endothelial denudation on aneurysm and branch occlusion in experimental aneurysm models. <i>Journal of Vascular Surgery</i> , <b>2007</b> , 45, 1228-35	3.5	11
89	In Vivo Antegrade Fenestration of Abdominal Aortic Stent-Grafts. <i>Journal of Endovascular Therapy</i> , <b>2007</b> , 14, 158-167	2.5	11
88	A Cohort Longitudinal Study Identifies Morphology and Hemodynamics Predictors of Abdominal Aortic Aneurysm Growth. <i>Annals of Biomedical Engineering</i> , <b>2020</b> , 48, 606-623	4.7	11
87	Chitosan-Sodium Tetradecyl Sulfate Hydrogel: Characterization and Preclinical Evaluation of a Novel Sclerosing Embolizing Agent for the Treatment of Endoleaks. <i>CardioVascular and Interventional Radiology</i> , <b>2017</b> , 40, 576-584	2.7	10
86	A Numerical Preoperative Planning Model to Predict Arterial Deformations in Endovascular Aortic Aneurysm Repair. <i>Annals of Biomedical Engineering</i> , <b>2018</b> , 46, 2148-2161	4.7	10
85	Cone-beam CT: an additional imaging tool in the interventional treatment and management of low-flow vascular malformations. <i>Journal of Vascular and Interventional Radiology</i> , <b>2013</b> , 24, 981-8.e2	2.4	10
84	Off-pump Versus On-pump Coronary Artery Bypass Surgery: Graft Patency Assessment With Coronary Computed Tomographic Angiography: A Prospective Multicenter Randomized Controlled Pilot Study. <i>Journal of Thoracic Imaging</i> , <b>2017</b> , 32, 370-377	5.6	10
83	In vivo venous assessment of red blood cell aggregate sizes in diabetic patients with a quantitative cellular ultrasound imaging method: proof of concept. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124712	3.7	10
82	Renal artery revascularization: predictive value of kidney length and volume weighted by resistive index. <i>American Journal of Roentgenology</i> , <b>2010</b> , 194, 1365-72	5.4	10
81	Safety and Efficacy of Paclitaxel-Eluting Balloon Angioplasty for Dysfunctional Hemodialysis Access: A randomized trial Comparing with Angioplasty Alone. <i>Journal of Vascular and Interventional Radiology</i> , <b>2021</b> , 32, 350-359.e2	2.4	10
80	The Canadian Association for Interventional Radiology (CAIR) and Canadian Association of Radiologists (CAR) Guidelines for Interventional Radiology Procedures for Patients With Suspected or Confirmed COVID-19. <i>Canadian Association of Radiologists Journal</i> , <b>2020</b> , 71, 514-517	3.9	9
79	Contrast-enhanced MRA of the renal and aorto-iliac-femoral arteries: comparison of gadobenate dimeglumine and gadofosveset trisodium. <i>European Journal of Radiology</i> , <b>2011</b> , 77, 358-68	4.7	9

78	Comparison of streptokinase and urokinase in local thrombolysis of peripheral arterial occlusions for lower limb salvage. <i>Journal of Vascular and Interventional Radiology</i> , <b>1996</b> , 7, 587-93	2.4	9
77	Effects of Pulsatile Fatigue on In Situ Antegrade Fenestrated Polyester Stent Grafts Deployed in a Patient-Specific Phantom Model of Juxtarenal Aortic Aneurysm. <i>Journal of Vascular and Interventional Radiology</i> , <b>2015</b> , 26, 1551-8	2.4	8
76	Effectiveness and Safety of Sclerotherapy for Treatment of Low-Flow Vascular Malformations of the Oropharyngeal Region. <i>Journal of Vascular and Interventional Radiology</i> , <b>2018</b> , 29, 809-815	2.4	8
75	Composite versus conventional coronary artery bypass grafting strategy for the anterolateral territory: study protocol for a randomized controlled trial. <i>Trials</i> , <b>2013</b> , 14, 270	2.8	8
74	A novel composite coronary bypass graft strategy: the saphenous vein bridge--a pilot study. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2013</b> , 44, e302-7	3	8
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