Andreas H Mahnken

List of Publications by Year
in descending order

107 papers	2,813 citations	147726 31 h-index	197736 49 g-index
114 all docs	114 docs citations	114 times ranked	2948 citing authors

#	Article	IF	Citations
1	A New Algorithm for Metal Artifact Reduction in Computed Tomography. Investigative Radiology, 2003, 38, 769-775.	3.5	209
2	Sixteen-slice spiral CT versus MR imaging for the assessment of left ventricular function in acute myocardial infarction. European Radiology, 2005, 15, 714-720.	2.3	132
3	Coronary Artery Stents in Multislice Computed Tomography. Investigative Radiology, 2004, 39, 27-33.	3.5	113
4	Multislice spiral computed tomography for the detection of coronary stent restenosis and patency. International Journal of Cardiology, 2003, 89, 167-172.	0.8	111
5	Interventional Oncologic Approaches to Liver Metastases. Radiology, 2013, 266, 407-430.	3.6	109
6	Quantitative Whole Heart Stress Perfusion CT Imaging as Noninvasive Assessment of Hemodynamics in Coronary Artery Stenosis. Investigative Radiology, 2010, 45, 298-305.	3.5	106
7	Dynamic multi-section CT imaging in acute myocardial infarction: preliminary animal experience. European Radiology, 2006, 16, 746-752.	2.3	101
8	CIRSE Standards of Practice Guidelines on Iliocaval Stenting. CardioVascular and Interventional Radiology, 2014, 37, 889-97.	0.9	70
9	Measurement of cardiac output from a test-bolus injection in multislice computed tomography. European Radiology, 2003, 13, 2498-2504.	2.3	69
10	Automated vs. manual assessment of left ventricular function in cardiac multidetector row computed tomography: comparison with magnetic resonance imaging. European Radiology, 2006, 16, 1416-1423.	2.3	65
11	Virtual CT autopsy in clinical pathology: feasibility in clinical autopsies. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2012, 461, 211-219.	1.4	63
12	MR-guided radiofrequency ablation of hepatic malignancies at 1.5 T: Initial results. Journal of Magnetic Resonance Imaging, 2004, 19, 342-348.	1.9	62
13	Thoracic stent graft sizing for frozen elephant trunk repair in acute type A dissection. Journal of Thoracic and Cardiovascular Surgery, 2013, 145, 964-969.e1.	0.4	62
14	Radiofrequency ablation of renal tumors. European Radiology, 2004, 14, 1449-55.	2.3	57
15	Radiofrequency Ablation of Osteoid Osteoma: Initial Results with a Bipolar Ablation Device. Journal of Vascular and Interventional Radiology, 2006, 17, 1465-1470.	0.2	55
16	MDCT Detection of Mitral Valve Calcification: Prevalence and Clinical Relevance Compared with Echocardiography. American Journal of Roentgenology, 2007, 188, 1264-1269.	1.0	55
17	Variation of the Coronary Calcium Score Depending on Image Reconstruction Interval and Scoring Algorithm. Investigative Radiology, 2002, 37, 496-502.	3.5	51
18	Acute Myocardial Infarction: Assessment of Left Ventricular Function with 16â€“Detector Row Spiral CT versus MR Imagingâ€”Study in Pigs. Radiology, 2005, 236, 112-117.	3.6	51

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19	CT Imaging of Coronary Stents: Past, Present, and Future. ISRN Cardiology, 2012, 2012, 1-12.	1.6	48
20	Cardiac CT: coronary arteries and beyond. European Radiology, 2007, 17, 994-1008.	2.3	47
21	Blended learning in radiology: Is self-determined learning really more effective?. European Journal of Radiology, 2011, 78, 384-387.	1.2	44
22	Current status of transarterial radioembolization. World Journal of Radiology, 2016, 8, 449.	0.5	43
23	Current Technique and Application of Percutaneous Cryotherapy. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2018, 190, 836-846.	0.7	42
24	Standards of Practice in Transarterial Radioembolization. CardioVascular and Interventional Radiology, 2013, 36, 613-622.	0.9	41
25	CT imaging in acute pulmonary embolism: diagnostic strategies. European Radiology, 2005, 15, 919-929.	2.3	40
26	Magnetic Resonanceâ€“guided Placement of Aortic Stents Grafts: Feasibility with Real-Time Magnetic Resonance Fluoroscopy. Journal of Vascular and Interventional Radiology, 2004, 15, 189-195.	0.2	37
27	Is there a need for contrast-enhanced T1-weighted MRI of the spine after inconspicuous short Ï„ inversion recovery imaging?. European Radiology, 2005, 15, 1387-1392.	2.3	37
28	Late-phase MSCT in the different stages of myocardial infarction: animal experiments. European Radiology, 2007, 17, 2310-2317.	2.3	35
29	Dual-Source Computed Tomography for Assessing Cardiac Function. Investigative Radiology, 2007, 42, 491-498.	3.5	34
30	Influence of Heart Rate and Temporal Resolution on Left-Ventricular Volumes in Cardiac Multislice Spiral Computed Tomography. Investigative Radiology, 2006, 41, 429-435.	3.5	32
31	Local Ablative Therapies in HCC: Percutaneous Ethanol Injection and Radiofrequency Ablation. Digestive Diseases, 2009, 27, 148-156.	0.8	32
32	Left Ventricular Function Can Reliably be Assessed From Dual-Source CT Using ECG-Gated Tube Current Modulation. Investigative Radiology, 2009, 44, 384-389.	3.5	32
33	Assessment of Therapy Response to Transarterial Radioembolization for Liver Metastases by Means of Post-treatment MRI-Based Texture Analysis. CardioVascular and Interventional Radiology, 2018, 41, 1545-1556.	0.9	31
34	Personal Radiation Protection and Corresponding Dosimetry in Interventional Radiology: An Overview and Future Developments. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2019, 191, 512-521.	0.7	30
35	Congenital Pseudarthrosis of the Tibia in Pediatric Patients. American Journal of Roentgenology, 2001, 177, 1025-1029.	1.0	28
36	Assessment of Myocardial Edema by Computed Tomography in Myocardial Infarction. JACC: Cardiovascular Imaging, 2009, 2, 1167-1174.	2.3	28

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37	Quantitative prediction of contrast enhancement from test bolus data in cardiac MSCT. European Radiology, 2007, 17, 1310-1319.	2.3	27
38	Contrast-enhanced postmortem computed tomography in clinical pathology: enhanced value of 20 clinical autopsies. Human Pathology, 2014, 45, 1813-1823.	1.1	26
39	Fast automatic path proposal computation for hepatic needle placement. Proceedings of SPIE, 2010, , .	0.8	25
40	CIRSE Clinical Practice Manual. CardioVascular and Interventional Radiology, 2021, 44, 1323-1353.	0.9	24
41	Radiofrequency Ablation of Osteoid Osteoma: Initial Experience with a New Monopolar Ablation Device. CardioVascular and Interventional Radiology, 2011, 34, 579-584.	0.9	22
42	Contrast-enhanced CT imaging in patients with chronic kidney disease. Angiogenesis, 2016, 19, 525-535.	3.7	22
43	Determination of Cardiac Output With Multislice Spiral Computed Tomography. Investigative Radiology, 2004, 39, 451-454.	3.5	21
44	Effectiveness of a new radiation protection system in the interventional radiology setting. European Journal of Radiology, 2018, 106, 56-61.	1.2	21
45	Volumetric Arterial Enhancement Fraction Predicts Tumor Recurrence After Hepatic Radiofrequency Ablation of Liver Metastases: Initial Results. American Journal of Roentgenology, 2011, 196, W573-W579.	1.0	19
46	Flat-panel detector computed tomography for the assessment of coronary artery stents: phantom study in comparison with 16-slice spiral computed tomography. Investigative Radiology, 2005, 40, 8-13.	3.5	19
47	In Vitro Evaluation of Optionally Retrievable and Permanent IVC Filters. Investigative Radiology, 2007, 42, 529-535.	3.5	18
48	CIRSE Standards of Practice on Analgesia and Sedation for Interventional Radiology in Adults. CardioVascular and Interventional Radiology, 2020, 43, 1251-1260.	0.9	18
49	Adaptive normalized metal artifact reduction (ANMAR) in computed tomography. , 2011, , .		17
50	The Use of Contrast-Enhanced Post Mortem CT in the Detection of Cardiovascular Deaths. PLoS ONE, 2014, 9, e93101.	1.1	15
51	Relationship between low tube voltage (70 kV) and the iodine delivery rate (IDR) in CT angiography: An experimental in-vivo study. PLoS ONE, 2017, 12, e0173592.	1.1	15
52	Multislice Spiral Computed Tomography of the Heart: Technique, Current Applications, and Perspective. CardioVascular and Interventional Radiology, 2005, 28, 388-399.	0.9	13
53	Influence of a small field-of-view size on the detection of coronary artery calcifications with MSCT: in vitro and in vivo study. European Radiology, 2006, 16, 358-364.	2.3	13
54	Functional imaging in the assessment of myocardial infarction: MR imaging vs. MDCT vs. SPECT. European Journal of Radiology, 2009, 71, 480-485.	1.2	13

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55	Efficacy of Lower-Body Shielding in Computed Tomography Fluoroscopy-Guided Interventions. CardioVascular and Interventional Radiology, 2012, 35, 1475-1479.	0.9	13
56	Multidetector computed tomography (MDCT) evaluation of myocardial viability: intraindividual comparison of monomeric vs. dimeric contrast media in a rabbit model. European Radiology, 2009, 19, 290-297.	2.3	12
57	The culprit lesion and its consequences: combined visualization of the coronary arteries and delayed myocardial enhancement in dual-source CT: a pilot study. European Radiology, 2010, 20, 2834-2843.	2.3	12
58	Percutaneous Transgastric Snaring for Repositioning of a Dislocated Internal Drain from a Pancreatic Pseudocyst. CardioVascular and Interventional Radiology, 2008, 31, 217-220.	0.9	11
59	Bare Metal Stenting for Endovascular Exclusion of Aortic Arch Thrombi. CardioVascular and Interventional Radiology, 2013, 36, 1127-1131.	0.9	11
60	Balloon-Expandable Stent Graft for Treating Uretero-Iliac Artery Fistula. CardioVascular and Interventional Radiology, 2017, 40, 831-835.	0.9	11
61	Electromagnetically Navigated In Situ Fenestration of Aortic Stent Grafts: Pilot Animal Study of a Novel Fenestrated EVAR Approach. CardioVascular and Interventional Radiology, 2018, 41, 170-176.	0.9	11
62	Evaluation of Aortocoronary Bypass Stents with Cardiac MDCT Compared with Conventional Catheter Angiography. American Journal of Roentgenology, 2007, 188, 361-369.	1.0	10
63	A monolithically fabricated flexible resonant circuit for catheter tracking in magnetic resonance imagingâ˜†. Sensors and Actuators B: Chemical, 2010, 144, 432-436.	4.0	10
64	Carbon Dioxide Contrast Agent for CT Arteriography: Results in a Porcine Model. Journal of Vascular and Interventional Radiology, 2008, 19, 1055-1064.	0.2	9
65	Value of conventional chest radiography for the detection of coronary calcifications: Comparison with MSCT. European Journal of Radiology, 2009, 69, 510-516.	1.2	9
66	Contrast-enhanced MRI predicts local recurrence of osteoid osteoma after radiofrequency ablation. Journal of Medical Imaging and Radiation Oncology, 2012, 56, 617-621.	0.9	9
67	Automatic alignment of pre- and post-interventional liver CT images for assessment of radiofrequency ablation. Proceedings of SPIE, 2012, , .	0.8	9
68	Contrast timing in computed tomography: Effect of different contrast media concentrations on bolus geometry. European Journal of Radiology, 2012, 81, e629-e632.	1.2	9
69	Assessment of right atrium volume by conventional CT or MR techniques: Which modality resembles in vivo reality?. European Journal of Radiology, 2016, 85, 1040-1044.	1.2	9
70	The Effect of Obstructive Sleep Apnea and Continuous Positive Airway Pressure Therapy on Skeletal Muscle Lipid Content in Obese and Nonobese Men. Journal of the Endocrine Society, 2021, 5, bvab082.	0.1	9
71	Dual-source CT assessment of ventricular function in healthy and infarcted myocardium: An animal study. European Journal of Radiology, 2011, 77, 443-449.	1.2	7
72	White Paper: Curriculum in Interventional Radiology. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2017, 189, 309-311.	0.7	7

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73	Safety of Prophylactic Gastrostomy Tube Placement and Gastrostomy Tube Usage in Patients Treated by Radio(chemo)therapy for Head and Neck Cancer. Anticancer Research, 2020, 40, 1167-1173.	0.5	7
74	Optimized 64â€channel array configurations for accelerated simultaneous multislice acquisitions in 3T cardiac MRI. Magnetic Resonance in Medicine, 2021, 86, 2276-2289.	1.9	7
75	CT imaging of myocardial viability: experimental and clinical evidence. Cardiovascular Journal of Africa, 2007, 18, 169-74.	0.2	7
76	Flat panel computed tomography for non-invasive flow measurement: initial results in in-vitro studies. European Radiology, 2008, 18, 747-752.	2.3	5
77	Imaging of Coronary Stents by Coronary CT-Angiography: Current Status. Current Cardiovascular Imaging Reports, 2012, 5, 274-281.	0.4	5
78	Repeat Percutaneous Radiofrequency Ablation of T1 Renal Cell Carcinomas is Safe in Patients with Von Hippelâ€“Lindau Disease. CardioVascular and Interventional Radiology, 2021, 44, 2022-2025.	0.9	5
79	Availability of interventional-radiological revascularization procedures in Germany â€“ an analysis of the DeGIR Registry Data 2018/19. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2022, 194, 160-168.	0.7	5
80	Digital Variance Angiography in Selective Lower Limb Interventions. Journal of Vascular and Interventional Radiology, 2022, 33, 104-112.	0.2	5
81	Computed tomography imaging in myocardial infarction. Expert Review of Cardiovascular Therapy, 2011, 9, 211-221.	0.6	4
82	Phantom-less bone mineral density (BMD) measurement using dual energy computed tomography-based 3-material decomposition. Proceedings of SPIE, 2016, , .	0.8	4
83	Full Field Image Reconstruction Is Suitable for High-Pitch Dual-Source Computed Tomography. Investigative Radiology, 2012, 47, 642-648.	3.5	3
84	Software-assisted post-interventional assessment of radiofrequency ablation. , 2014, , .		3
85	MR-Guided Percutaneous Abscess Drainage in Pregnancy. Journal of Vascular and Interventional Radiology, 2016, 27, 1767-1768.	0.2	3
86	Segmentation of the lumbar spine with knowledge-based shape models. , 2002, 4684, 1578.		2
87	Aortic valve calcifications on chest films: how much calcium do I need?. Acta Cardiologica, 2011, 66, 505-508.	0.3	2
88	Endovascular Management of a Combined Subclavian and Vertebral Artery Injury in an Unstable Polytrauma Patient: Case Report and Literature Review. Bulletin of Emergency and Trauma, 2017, 5, 53-57.	0.4	2
89	Efficacy and Safety of Combined Embolization and Radiofrequency Ablation in Stage 1 Renal Cell Carcinomas. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2022, 194, 1020-1025.	0.7	2
90	Interventional Oncology. , 2009, , 159-264.		1

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91	CT Fluoroscopyâ€“Guided Placement of Inferior Vena Cava Filters: Feasibility Study in Pigs. Journal of Vascular and Interventional Radiology, 2011, 22, 1531-1534.	0.2	1
92	⁹⁰Y-glass microspheres for hepatic neoplasia. Future Oncology, 2015, 11, 1343-1354.	1.1	1
93	Initial Experience with the Transapical Access for TEVAR. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2017, 189, 760-764.	0.7	1
94	Three-dimensional knowledge-based surface model for segmentation of organic structures. , 2002, , .		1
95	Availability of Interventional Oncology in Germany in the Years 2018 and 2019 â€“ Results from a Nationwide Database (DeGIR Registry Data). RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2022, 194, 755-761.	0.7	1
96	Hemolysis, hemorrhage, headache, and hidden abortion: imaging findings in antiphospholipid syndrome. European Radiology, 2003, 13, L83-L86.	2.3	0
97	Special Techniques. , 2009, , 349-381.		0
98	Musculo-Skeletal Interventions. , 2009, , 311-348.		0
99	Cardiac CT and Stent Imaging: Update 2014. Current Cardiovascular Imaging Reports, 2014, 7, 1.	0.4	0
100	Reconstructions Using RIF in Motion Mapping Technique Have Substantially Less Arrhythmogenic Artifacts in Dual-source Coronary CTA. Academic Radiology, 2017, 24, 167-174.	1.3	0
101	Thermal Ablation for Treating Malignant Tumors to the Liver. , 2018, , 215-234.		0
102	Fully Automatic Segmentation and Evaluation of Lateral Spine Radiographs. Informatik Aktuell, 2003, , 413-417.	0.4	0
103	Radiofrequency Ablation for Treating Malignant Tumors to the Lungs. , 2015, , 155-161.		0
104	Radiofrequency Ablation for Treating Malignant Tumors to the Liver. , 2015, , 141-154.		0
105	Radiofrequency Ablation for Treating Malignant Tumors to the Lungs. , 2018, , 235-242.		0
106	Vascular: Aortic Runoff, Abdominal CTA. , 2008, , 150-159.		0
107	Dual Energy: CTA Aorta. , 2008, , 212-221.		0