Stefan O Schoenberg

List of Publications by Year
in descending order

79 papers	1,468 citations	448610 19 h-index	425179 34 g-index
82 all docs	82 docs citations	82 times ranked	2614 citing authors

#	Article	IF	Citations
1	Low risk of contrast media-induced hypersensitivity reactions in all subtypes of systemic mastocytosis. Annals of Allergy, Asthma and Immunology, 2022, 128, 314-318.	0.5	5
2	MR lung perfusion measurements in adolescents after congenital diaphragmatic hernia: correlation with spirometric lung function tests. European Radiology, 2022, 32, 2572-2580.	2.3	5
3	Diagnostic and Prognostic Value of Quantitative Computed Tomography Parameters of Adrenal Glands in Patients from Internistled ICU with Sepsis and Septic Shock. , 2022, 1, 14-32.		0
4	Phase‑cycled balanced SSFP imaging for non‑contrast‑enhanced functional lung imaging. Magnetic Resonance in Medicine, 2022, 88, 1764-1774.	1.9	4
5	Augmented reality with HoloLens in parotid surgery: how to assess and to improve accuracy. European Archives of Oto-Rhino-Laryngology, 2021, 278, 2473-2483.	0.8	20
6	Multiparametric prostate MRI and structured reporting: benefits and challenges in the PI-RADS era. Chinese Journal of Academic Radiology, 2021, 4, 21-40.	0.4	2
7	Impact of Chronic Prostatitis on the PI-RADS Score 3: Proposal for the Addition of a Novel Binary Suffix. Diagnostics, 2021, 11, 623.	1.3	1
8	Computed tomography based measurements to evaluate lung density and lung growth after congenital diaphragmatic hernia. Scientific Reports, 2021, 11, 5035.	1.6	5
9	Anthropometry of the proximal femur and femoral head in children/adolescents using three-dimensional computed tomography-based measurements. Surgical and Radiologic Anatomy, 2021, 43, 2009-2023.	0.6	0
10	Computer tomography guided thoracoscopic resection of small pulmonary nodules in the hybrid theatre. PLoS ONE, 2021, 16, e0258896.	1.1	5
11	The International Radiomics Platform – An Initiative of the German and Austrian Radiological Societies – First Application Examples. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2021, 193, 276-288.	0.7	7
12	Prediction of cardiac events with non‑contrast magnetic resonance feature tracking in patients with ischaemic cardiomyopathy. ESC Heart Failure, 2021, , .	1.4	6
13	Low kV Computed Tomography of Parenchymal Abdominal Organs—A Systematic Animal Study of Different Contrast Media Injection Protocols. Tomography, 2021, 7, 815-828.	0.8	4
14	Correlation of machine learning computed tomography-based fractional flow reserve with instantaneous wave free ratio to detect hemodynamically significant coronary stenosis. Clinical Research in Cardiology, 2020, 109, 735-745.	1.5	11
15	Coronary CT angiography derived plaque markers correlated with invasive instantaneous flow reserve for detecting hemodynamically significant coronary stenoses. European Journal of Radiology, 2020, 122, 108744.	1.2	8
16	Response of advanced HCC to pembrolizumab and lenvatinib combination therapy despite monotherapy failure. Zeitschrift Fur Gastroenterologie, 2020, 58, 773-777.	0.2	8
17	Continuous Learning AI in Radiology: Implementation Principles and Early Applications. Radiology, 2020, 297, 6-14.	3.6	92
18	Contrast Saline Mixture DualFlow Injection Protocols for Low-Kilovolt Computed Tomography Angiography. Investigative Radiology, 2020, 55, 785-791.	3.5	4

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19	Acute pulmonary embolism mimicking COVID – 19 pneumonia. International Journal of Infectious Diseases, 2020, 96, 475-476.	1.5	1
20	More holes, more contrast? Comparing an 18-gauge non-fenestrated catheter with a 22-gauge fenestrated catheter for cardiac CT. PLoS ONE, 2020, 15, e0234311.	1.1	3
21	Comparison of Machine Learning Computed Tomography-Based Fractional Flow Reserve and Coronary CT Angiography-Derived Plaque Characteristics with Invasive Resting Full-Cycle Ratio. Journal of Clinical Medicine, 2020, 9, 714.	1.0	4
22	Multiparametric MRI for Prostate Cancer Characterization: Combined Use of Radiomics Model with PI-RADS and Clinical Parameters. Cancers, 2020, 12, 1767.	1.7	72
23	An increased bone mineral density is an adverse prognostic factor in patients with systemic mastocytosis. Journal of Cancer Research and Clinical Oncology, 2020, 146, 945-951.	1.2	14
24	Contralateral Liver Hypertrophy and Oncological Outcome Following Radioembolization with 90Y-Microspheres: A Systematic Review. Cancers, 2020, 12, 294.	1.7	22
25	MITIGATE-NeoBOMB1, a Phase I/IIa Study to Evaluate Safety, Pharmacokinetics, and Preliminary Imaging of ^{68}Ga-NeoBOMB1, a Gastrin-Releasing Peptide Receptor Antagonist, in GIST Patients. Journal of Nuclear Medicine, 2020, 61, 1749-1755.	2.8	27
26	Artificial Intelligence-based Fully Automated Per Lobe Segmentation and Emphysema-quantification Based on Chest Computed Tomography Compared With Global Initiative for Chronic Obstructive Lung Disease Severity of Smokers. Journal of Thoracic Imaging, 2020, 35, S28-S34.	0.8	36
27	Magnetic resonance imaging reveals distinct bone marrow patterns in indolent and advanced systemic mastocytosis. Annals of Hematology, 2019, 98, 2693-2701.	0.8	11
28	Feasibility of quantitative MR-perfusion imaging to monitor treatment response after uterine artery embolization (UAE) in symptomatic uterus fibroids. Magnetic Resonance Imaging, 2019, 59, 31-38.	1.0	7
29	Detection of Calcified Aortic Plaques in an Apolipoprotein E Animal Model Using a Human Computed Tomography System for Ultra–High-resolution Imaging. Journal of Thoracic Imaging, 2019, 34, 41-47.	0.8	1
30	Association of Serum Lipid Profile With Coronary Computed Tomographic Angiography–derived Morphologic and Functional Quantitative Plaque Markers. Journal of Thoracic Imaging, 2019, 34, 26-32.	0.8	3
31	An Increased Bone Mineral Density As an Adverse Prognostic Factor in Patients with Systemic Mastocytosis. Blood, 2019, 134, 4185-4185.	0.6	0
32	Histogram based analysis of lung perfusion of children after congenital diaphragmatic hernia repair. Magnetic Resonance Imaging, 2018, 48, 42-49.	1.0	8
33	Variability and Reproducibility of 3rd-generation dual-source dynamic volume perfusion CT Parameters in Comparison to MR-perfusion Parameters in Rectal Cancer. Scientific Reports, 2018, 8, 6868.	1.6	6
34	Diffusion kurtosis imaging of the liver at 3 Tesla: in vivo comparison to standard diffusion-weighted imaging. Acta Radiologica, 2018, 59, 18-25.	0.5	17
35	Developing a Roadmap for Interventional Oncology. Oncologist, 2018, 23, 1162-1170.	1.9	19
36	Time to Exhale: Additional Value of Expiratory Chest CT in Chronic Obstructive Pulmonary Disease. Canadian Respiratory Journal, 2018, 2018, 1-9.	0.8	13

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37	Cardiac impact of R-wave triggered irreversible electroporation therapy. Heart Rhythm, 2018, 15, 1872-1879.	0.3	7
38	Image Quality Assessment of 2D versus 3D T2WI and Evaluation of Ultra-high b-Value (b=2,000 mm/s2) DWI for Response Assessment in Rectal Cancer. Anticancer Research, 2018, 38, 969-978.	0.5	13
39	Detection of Local Recurrence with 3-Tesla MRI After Radical Prostatectomy: A Useful Method for Radiation Treatment Planning?. In Vivo, 2018, 32, 125-131.	0.6	7
40	Free-breathing Sparse Sampling Cine MR Imaging with Iterative Reconstruction for the Assessment of Left Ventricular Function and Mass at 3.0 T. Radiology, 2017, 282, 74-83.	3.6	41
41	Effects of Bariatric Surgery on Non-alcoholic Fatty Liver Disease: Magnetic Resonance Imaging Is an Effective, Non-invasive Method to Evaluate Changes in the Liver Fat Fraction. Obesity Surgery, 2017, 27, 1755-1762.	1.1	19
42	Predictive value of perfusion defects on dual energy CTA in the absence of thromboembolic clots. Journal of Cardiovascular Computed Tomography, 2017, 11, 183-187.	0.7	20
43	Coronary artery calcium in breast cancer survivors after radiation therapy. International Journal of Cardiovascular Imaging, 2017, 33, 1425-1431.	0.7	13
44	Interdisciplinary Management of Head and Neck Vascular Anomalies: Clinical Presentation, Diagnostic Findings and Minimalinvasive Therapies. European Journal of Radiology Open, 2017, 4, 63-68.	0.7	37
45	Radiation Dose Levels of Retrospectively ECG-Gated Coronary CT Angiography Using 70-kVp Tube Voltage in Patients with High or Irregular Heart Rates. Academic Radiology, 2017, 24, 30-37.	1.3	9
46	Rapid Cartesian versus radial acquisition: comparison of two sequences for hepatobiliary phase MRI at 3 tesla in patients with impaired breath-hold capabilities. BMC Medical Imaging, 2017, 17, 32.	1.4	13
47	Follow-up of iatrogenic aorto-coronary "Dunning" dissections by cardiac computed tomography imaging. BMC Medical Imaging, 2017, 17, 64.	1.4	9
48	Right Ventricular and Right Atrial Involvement Can Predict Atrial Fibrillation in Patients with Hypertrophic Cardiomyopathy?. International Journal of Medical Sciences, 2016, 13, 1-7.	1.1	14
49	Low dose time-resolved CT-angiography in pediatric patients with venous malformations using 3rd generation dual-source CT: Initial experience. European Journal of Radiology Open, 2016, 3, 216-222.	0.7	15
50	Intra-individual diagnostic image quality and organ-specific-radiation dose comparison between spiral cCT with iterative image reconstruction and z-axis automated tube current modulation and sequential cCT. European Journal of Radiology Open, 2016, 3, 182-190.	0.7	7
51	Inhibition of Rho-Associated Kinase 1/2 Attenuates Tumor Growth in Murine Gastric Cancer. Neoplasia, 2016, 18, 500-511.	2.3	35
52	Cumulative radiation exposure from imaging procedures and associated lifetime cancer risk for patients with lymphoma. Scientific Reports, 2016, 6, 35181.	1.6	38
53	Rapid functional cardiac imaging after gadolinium injection: Evaluation of a highly accelerated sequence with sparse data sampling and iterative reconstruction. Scientific Reports, 2016, 6, 38236.	1.6	6
54	Lung Perfusion MRI After Congenital Diaphragmatic Hernia Repair in 2-Year-Old Children With and Without Extracorporeal Membrane Oxygenation Therapy. American Journal of Roentgenology, 2016, 206, 1315-1320.	1.0	17

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55	An open source software for analysis of dynamic contrast enhanced magnetic resonance images: UMMPerfusion revisited. BMC Medical Imaging, 2016, 16, 7.	1.4	23
56	Quantitative sodium MRI of kidney. NMR in Biomedicine, 2016, 29, 197-205.	1.6	40
57	Ultra-high pitch chest computed tomography at 70 kVp tube voltage in an anthropomorphic pediatric phantom and non-sedated pediatric patients: Initial experience with 3rd generation dual-source CT. Zeitschrift Fur Medizinische Physik, 2016, 26, 349-361.	0.6	14
58	Comparison of electrical velocimetry and cardiac magnetic resonance imaging for the non-invasive determination of cardiac output. Journal of Clinical Monitoring and Computing, 2016, 30, 399-408.	0.7	19
59	Semi-automatic Volumetric Measurement of Treatment Response in Hepatocellular Carcinoma After Trans-arterial Chemoembolization. Anticancer Research, 2016, 36, 4353-8.	0.5	1
60	Renal Denervation in Patients with Resistant Hypertension-Assessment by 3T Renal 23Na-MRI: Preliminary Results. In Vivo, 2016, 30, 657-62.	0.6	1
61	Benefit of Patients with an Early and Progressed State of Hepatocellular Carcinoma Treated with Drug-eluting Beads. In Vivo, 2016, 30, 707-12.	0.6	1
62	Importance of risk factors for the evaluation of patients with a suspected pulmonary embolism. Experimental and Therapeutic Medicine, 2015, 9, 2281-2284.	0.8	8
63	Image Quality of 3rd Generation Spiral Cranial Dual-Source CT in Combination with an Advanced Model Iterative Reconstruction Technique: A Prospective Intra-Individual Comparison Study to Standard Sequential Cranial CT Using Identical Radiation Dose. PLoS ONE, 2015, 10, e0136054.	1.1	6
64	Semi-automatic lung segmentation of DCE-MRI data sets of 2-year old children after congenital diaphragmatic hernia repair: Initial results. Magnetic Resonance Imaging, 2015, 33, 1345-1349.	1.0	7
65	Technical prerequisites and imaging protocols for CT perfusion imaging in oncology. European Journal of Radiology, 2015, 84, 2359-2367.	1.2	31
66	Unenhanced third-generation dual-source chest CT using a tin filter for spectral shaping at 100 kVp. European Journal of Radiology, 2015, 84, 1608-1613.	1.2	100
67	Fast Inner-Volume Imaging of the Lumbar Spine with a Spatially Focused Excitation Using a 3D-TSE Sequence. Academic Radiology, 2015, 22, 423-429.	1.3	3
68	Where do we stand? Functional imaging in acute and chronic pulmonary embolism with state-of-the-art CT. European Journal of Radiology, 2015, 84, 2432-2437.	1.2	12
69	Radiation exposure of the interventional radiologist during percutaneous biopsy using a multiaxis interventional C-arm CT system with 3D laser guidance: a phantom study. British Journal of Radiology, 2015, 88, 20150151.	1.0	4
70	Dual-energy snap-shot perfusion CT in suspect pulmonary nodules and masses and for lung cancer staging. European Journal of Radiology, 2015, 84, 2393-2400.	1.2	27
71	Feasibility of slice width reduction for spiral cranial computed tomography using iterative image reconstruction. European Journal of Radiology, 2014, 83, 964-969.	1.2	13
72	Value of monoenergetic low-kV dual energy CT datasets for improved image quality of CT pulmonary angiography. European Journal of Radiology, 2014, 83, 322-328.	1.2	140

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73	MR Contrast Agent Safety in the Age of Nephrogenic Systemic Fibrosis: Update 2014. Current Radiology Reports, 2014, 2, 1.	0.4	0
74	Optimization of Kiloelectron Volt Settings in Cerebral and Cervical Dual-energy CT Angiography Determined with Virtual Monoenergetic Imaging. Academic Radiology, 2014, 21, 431-436.	1.3	77
75	23Na-magnetic resonance imaging of the human lumbar vertebral discs: inÂvivo measurements at 3.0 T in healthy volunteers and patients with low back pain. Spine Journal, 2014, 14, 1343-1350.	0.6	10
76	Objective and Subjective Image Quality of Liver Parenchyma and Hepatic Metastases with Virtual Monoenergetic Dual-source Dual-energy CT Reconstructions. Academic Radiology, 2014, 21, 514-522.	1.3	56
77	Comparison of Epicardial Fat Volume by Computed Tomography in Black Versus White Patients With Acute Chest Pain. American Journal of Cardiology, 2014, 113, 422-428.	0.7	15
78	Dependence of image quality on acquisition time for the PET/CT Biograph mCT. Zeitschrift Fur Medizinische Physik, 2014, 24, 73-79.	0.6	14
79	Post-therapeutic positron emission tomography/computed tomography for early detection of non-small cell lung cancer recurrence. Translational Lung Cancer Research, 2013, 2, 295-303.	1.3	15