

# Andreas Max Weng

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

672  
citations

623734

14  
h-index

580821

25  
g-index

38  
all docs

38  
docs citations

38  
times ranked

977  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vasa vasorum of proximal cerebral arteries after dural crossing – potential imaging confounder in diagnosing intracranial vasculitis in elderly subjects on black-blood MRI. <i>European Radiology</i> , 2022, 32, 1276-1284.	4.5	8
2	Adrenal wash-out CT: moderate diagnostic value in distinguishing benign from malignant adrenal masses. <i>European Journal of Endocrinology</i> , 2022, 186, 183-193.	3.7	20
3	Validation of cardiac diffusion tensor imaging sequences: A multicentre test-retest phantom study. <i>NMR in Biomedicine</i> , 2022, 35, e4685.	2.8	2
4	Primary hyperaldosteronism induces congruent alterations of sodium homeostasis in different skeletal muscles: a <sup>23</sup> Na-MRI study. <i>European Journal of Endocrinology</i> , 2022, 186, K33-K38.	3.7	8
5	Effects of image homogeneity on stenosis visualization at 7 T in a coronary artery phantom study: With and without B1-shimming and parallel transmission. <i>PLoS ONE</i> , 2022, 17, e0270689.	2.5	1
6	Non-invasive assessment of tissue sodium content in patients with primary adrenal insufficiency. <i>European Journal of Endocrinology</i> , 2022, 187, 383-390.	3.7	5
7	Evaluation of Ultra-High-Resolution Cone-Beam CT Prototype of Twin Robotic Radiography System for Cadaveric Wrist Imaging. <i>Academic Radiology</i> , 2021, 28, e314-e322.	2.5	12
8	Accelerated aortic 4D flow MRI with waveCAIPI. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2595-2607.	3.0	4
9	Deep learning-based segmentation of the lung in MR-images acquired by a stack-of-spirals trajectory at ultra-short echo-times. <i>BMC Medical Imaging</i> , 2021, 21, 79.	2.7	7
10	Split-filter dual-energy CT pulmonary angiography for the diagnosis of acute pulmonary embolism: a study on image quality and radiation dose. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 1817-1827.	2.0	4
11	Effect of short-term smoking & L-arginine on coronary endothelial function assessed by cardiac magnetic resonance cold pressor testing: a pilot study. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 237.	1.7	0
12	Three-dimensional Ultrashort Echo Time Magnetic Resonance Imaging for Combined Morphologic and Ventilation Imaging in Pediatric Patients With Pulmonary Disease. <i>Journal of Thoracic Imaging</i> , 2021, 36, 43-51.	1.5	11
13	Twin Robotic X-Ray System for 3D Cone-Beam CT of the Wrist: An Evaluation of Image Quality and Radiation Dose. <i>American Journal of Roentgenology</i> , 2020, 214, 422-427.	2.2	13
14	Free-breathing self-gated 4D lung MRI using waveCAIPI. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 3223-3233.	3.0	12
15	Functional MRI of the Lungs Using Single Breath-Hold and Self-Navigated Ultrashort Echo Time Sequences. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e190162.	2.5	10
16	Three-dimensional Ultrashort Echo Time MRI for Functional Lung Imaging in Cystic Fibrosis. <i>Radiology</i> , 2020, 296, 191-199.	7.3	26
17	Dual-energy CT angiography in suspected pulmonary embolism: influence of injection protocols on image quality and perfused blood volume. <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 2051-2059.	1.5	5
18	Spin echo based cardiac diffusion imaging at 7T: An ex vivo study of the porcine heart at 7T and 3T. <i>PLoS ONE</i> , 2019, 14, e0213994.	2.5	12

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19	Tin-filtered 100 kV ultra-low-dose CT of the paranasal sinus: Initial clinical results. PLoS ONE, 2019, 14, e0216295.	2.5	25
20	Size-adjusted muscle power and muscle metabolism in patients with cystic fibrosis are equal to healthy controls – a case control study. BMC Pulmonary Medicine, 2019, 19, 269.	2.0	6
21	3D cone-beam CT of the ankle using a novel twin robotic X-ray system: Assessment of image quality and radiation dose. European Journal of Radiology, 2019, 119, 108659.	2.6	10
22	Increased myocardial sodium signal intensity in Conn’s syndrome detected by <sup>23</sup> Na magnetic resonance imaging. European Heart Journal Cardiovascular Imaging, 2019, 20, 263-270.	1.2	32
23	Stable and efficient retrospective 4D-MRI using non-uniformly distributed quasi-random numbers. Physics in Medicine and Biology, 2018, 63, 075002.	3.0	15
24	Multiple Myeloma and Dual-Energy CT: Diagnostic Accuracy of Virtual Noncalcium Technique for Detection of Bone Marrow Infiltration of the Spine and Pelvis. Radiology, 2018, 286, 205-213.	7.3	99
25	Magnetic resonance cold pressor test to investigate potential endothelial dysfunction in patients suffering from type 1 diabetes. Journal of Magnetic Resonance Imaging, 2018, 48, 1595-1601.	3.4	3
26	Dual-energy CT of the bone marrow in multiple myeloma: diagnostic accuracy for quantitative differentiation of infiltration patterns. European Radiology, 2018, 28, 5083-5090.	4.5	51
27	Vertebral Compression Fractures: Third-Generation Dual-Energy CT for Detection of Bone Marrow Edema at Visual and Quantitative Analyses. Radiology, 2017, 284, 161-168.	7.3	98
28	Diagnosis of Pulmonary Artery Embolism: Comparison of Single-Source CT and 3rd Generation Dual-Source CT using a Dual-Energy Protocol Regarding Image Quality and Radiation Dose. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2017, 189, 527-536.	1.3	24
29	Self-gated Non-Contrast-enhanced Functional Lung MR Imaging for Quantitative Ventilation Assessment in Patients with Cystic Fibrosis. Radiology, 2017, 283, 242-251.	7.3	45
30	Supraspinatus muscle elasticity measured with real time shear wave ultrasound elastography correlates with MRI spectroscopic measured amount of fatty degeneration. BMC Musculoskeletal Disorders, 2017, 18, 549.	1.9	21
31	A model-based reconstruction technique for quantitative myocardial perfusion imaging. Magnetic Resonance in Medicine, 2016, 76, 880-887.	3.0	2
32	Dynamic Contrast-Enhanced Magnetic Resonance Imaging for Quantitative Lung Perfusion Imaging Using the Dual-Bolus Approach. Investigative Radiology, 2016, 51, 186-193.	6.2	9
33	Comparing the MRI-based Goutallier Classification to an experimental quantitative MR spectroscopic fat measurement of the supraspinatus muscle. BMC Musculoskeletal Disorders, 2016, 17, 355.	1.9	20
34	High resolution myocardial first-pass perfusion imaging with extended anatomic coverage. Journal of Magnetic Resonance Imaging, 2014, 39, 1575-1587.	3.4	28
35	Acquisition-weighted chemical shift imaging improves SLOOP quantification of human cardiac phosphorus metabolites. Zeitschrift Fur Medizinische Physik, 2014, 24, 49-54.	1.5	5
36	Accurate metabolic images of the human myocardium by means of <sup>31</sup> P magnetic resonance chemical shift imaging with spatial saturation pulses. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2013, 42, 187-195.	0.5	0

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37	Automatic postprocessing for the assessment of quantitative human myocardial perfusion using MRI. European Radiology, 2010, 20, 1356-1365.	4.5	19