Gerlig Widmann

List of Publications by Year
in descending order

90 papers	**2,470** citations	279487 **23** h-index
99 all docs	**99** docs citations	**99** times ranked

223531 **46** g-index

3032 citing authors

#	Article	IF	Citations
1	Cardiopulmonary recovery after COVID-19: an observational prospective multicentre trial. European Respiratory Journal, 2021, 57, 2003481.	3.1	313
2	Accuracy in computer-aided implant surgery--a review. International Journal of Oral and Maxillofacial Implants, 2006, 21, 305-13.	0.6	159
3	Persisting alterations of iron homeostasis in COVID-19 are associated with non-resolving lung pathologies and poor patients' performance: a prospective observational cohort study. Respiratory Research, 2020, 21, 276.	1.4	129
4	Errors and error management in image-guided craniomaxillofacial surgery. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2009, 107, 701-715.	1.6	104
5	Different techniques of static/dynamic guided implant surgery: modalities and indications. Periodontology 2000, 2014, 66, 214-227.	6.3	102
6	Impact of Vitamin D Deficiency on COVID-19—A Prospective Analysis from the CovILD Registry. Nutrients, 2020, 12, 2775.	1.7	93
7	Percutaneous stereotactic radiofrequency ablation of colorectal liver metastases. European Radiology, 2012, 22, 930-937.	2.3	89
8	Navigated CT-guided interventions. Minimally Invasive Therapy and Allied Technologies, 2007, 16, 196-204.	0.6	75
9	Stereotaxy: Breaking the limits of current radiofrequency ablation techniques. European Journal of Radiology, 2010, 75, 32-36.	1.2	74
10	Imaging Features of Toxicities by Immune Checkpoint Inhibitors in Cancer Therapy. Current Radiology Reports, 2017, 5, 59.	0.4	69
11	Stereotactic Radiofrequency Ablation of Unresectable Intrahepatic Cholangiocarcinomas: A Retrospective Study. CardioVascular and Interventional Radiology, 2012, 35, 1074-1082.	0.9	64
12	Frameless stereotactic targeting devices: technical features, targeting errors and clinical results. International Journal of Medical Robotics and Computer Assisted Surgery, 2012, 8, 1-16.	1.2	62
13	Stereotactic Radiofrequency Ablation. CardioVascular and Interventional Radiology, 2011, 34, 852-856.	0.9	57
14	Stereotactic Radiofrequency Ablation (SRFA) of Liver Lesions: Technique Effectiveness, Safety, and Interoperator Performance. CardioVascular and Interventional Radiology, 2012, 35, 570-580.	0.9	56
15	Chest CT of Lung Injury 1 Year after COVID-19 Pneumonia: The CovILD Study. Radiology, 2022, 304, 462-470.	3.6	55
16	State-of-the-art HR-US imaging findings of the most frequent musculoskeletal soft-tissue tumors. Skeletal Radiology, 2009, 38, 637-649.	1.2	51
17	Target registration and target positioning errors in computer-assisted neurosurgery: proposal for a standardized reporting of error assessment. International Journal of Medical Robotics and Computer Assisted Surgery, 2009, 5, 355-365.	1.2	50
18	In vitroaccuracy of a novel registration and targeting technique for image-guided template production. Clinical Oral Implants Research, 2005, 16, 502-508.	1.9	38

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19	Frameless Stereotactic Cannulation Of The Foramen Ovale For Ablative Treatment Of Trigeminal Neuralgia. Operative Neurosurgery, 2006, 59, ONS-394-ONS-402.	0.4	37
20	Targeting accuracy of CT-guided stereotaxy for radiofrequency ablation of liver tumours. Minimally Invasive Therapy and Allied Technologies, 2011, 20, 218-225.	0.6	35
21	Respiratory motion control for stereotactic and robotic liver interventions. International Journal of Medical Robotics and Computer Assisted Surgery, 2010, 6, 343-349.	1.2	33
22	Investigating phenotypes of pulmonary COVID-19 recovery: A longitudinal observational prospective multicenter trial. ELife, 2022, 11, .	2.8	30
23	Tumour ablation: technical aspects. Cancer Imaging, 2009, 9, S63-S67.	1.2	27
24	Accuracy of Image‐Fusion Stereolithographic Guides: Mapping <scp>CT</scp> Data with Three‐Dimensional Optical Surface Scanning. Clinical Implant Dentistry and Related Research, 2015, 17, e736-44.	1.6	25
25	Spatial and contrast resolution of ultralow dose dentomaxillofacial CT imaging using iterative reconstruction technology. Dentomaxillofacial Radiology, 2017, 46, 20160452.	1.3	25
26	Accuracy and diagnostic yield of CT-guided stereotactic liver biopsy of primary and secondary liver tumors. Computer Aided Surgery, 2011, 16, 181-187.	1.8	24
27	Immunosuppression for Immune Checkpoint-related Toxicity Can Cause Pneumocystis Jirovecii Pneumonia (PJP) in Non‐small-cell Lung Cancer (NSCLC): A Report of 2 Cases. Clinical Lung Cancer, 2019, 20, e247-e250.	1.1	24
28	Does coronary calcium score zero reliably rule out coronary artery disease in low-to-intermediate risk patients? A coronary CTA study. Journal of Cardiovascular Computed Tomography, 2020, 14, 155-161.	0.7	22
29	Use of a surgical navigation system for CT-guided template production. International Journal of Oral and Maxillofacial Implants, 2007, 22, 72-8.	0.6	22
30	Ultralow-Dose CT of the Craniofacial Bone for Navigated Surgery Using Adaptive Statistical Iterative Reconstruction and Model-Based Iterative Reconstruction: 2D and 3D Image Quality. American Journal of Roentgenology, 2015, 204, 563-569.	1.0	19
31	Computer-Assisted Surgery in the Edentulous Jaw Based on 3 Fixed Intraoral Reference Points. Journal of Oral and Maxillofacial Surgery, 2010, 68, 1140-1147.	0.5	18
32	Flapless implant surgery in the edentulous jaw based on three fixed intraoral reference points and image‐guided surgical templates: accuracy in human cadavers. Clinical Oral Implants Research, 2010, 21, 835-841.	1.9	18
33	Prognostic value of tumor volume in patients with head and neck squamous cell carcinoma treated with primary surgery. Head and Neck, 2018, 40, 728-739.	0.9	18
34	Do Image Modality and Registration Method Influence the Accuracy of Craniofacial Navigation?. Journal of Oral and Maxillofacial Surgery, 2012, 70, 2165-2173.	0.5	17
35	Ultralow dose dentomaxillofacial CT imaging and iterative reconstruction techniques: variability of Hounsfield units and contrast-to-noise ratio. British Journal of Radiology, 2016, 89, 20151055.	1.0	17
36	Non obstructive high-risk plaque but not calcified by coronary CTA, and the G-score predict ischemia. Journal of Cardiovascular Computed Tomography, 2019, 13, 305-314.	0.7	17

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37	Pre- and post-operative imaging of cochlear implants: a pictorial review. Insights Into Imaging, 2020, 11, 93.	1.6	17
38	Accuracy of a flapless protocol for computer‑guided zygomatic implant placement in human cadavers: expectations and reality. International Journal of Medical Robotics and Computer Assisted Surgery, 2016, 12, 102-108.	1.2	16
39	Added value of high-risk plaque criteria by coronary CTA for prediction of long-term outcomes. Atherosclerosis, 2020, 300, 26-33.	0.4	16
40	Specific growth rates calculated from CTs in patients with head and neck squamous cell carcinoma: a retrospective study performed in Austria. BMJ Open, 2019, 9, e025359.	0.8	15
41	Dual-energy computed tomography in acute ischemic stroke: state-of-the-art. European Radiology, 2021, 31, 4138-4147.	2.3	15
42	A laboratory training and evaluation technique for computer‑guided oral implant surgery. International Journal of Medical Robotics and Computer Assisted Surgery, 2009, 5, 276-283.	1.2	14
43	Validity of linear measurements of the jaws using ultralow-dose MDCT and the iterative techniques of ASIR and MBIR. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 1791-1801.	1.7	13
44	Influence of Ultra-Low-Dose and Iterative Reconstructions on the Visualization of Orbital Soft Tissues on Maxillofacial CT. American Journal of Neuroradiology, 2017, 38, 1630-1635.	1.2	13
45	Myocardial injury in COVID-19: The role of coronary computed tomography angiography (CTA). Journal of Cardiovascular Computed Tomography, 2021, 15, e3-e6.	0.7	12
46	Effect of ultra-low doses, ASIR and MBIR on density and noise levels of MDCT images of dental implant sites. European Radiology, 2017, 27, 2225-2234.	2.3	11
47	Comparison of the accuracy of invasive and noninvasive registration methods for image-guided oral implant surgery. International Journal of Oral and Maxillofacial Implants, 2010, 25, 491-8.	0.6	11
48	Multipurpose Navigation System-Based Concept for Surgical Template Production. Journal of Oral and Maxillofacial Surgery, 2009, 67, 1113-1120.	0.5	10
49	Angiographic C-Arm CT‑ Versus MDCT-Guided Stereotactic Punctures of Liver Lesions: Nonrigid Phantom Study. American Journal of Roentgenology, 2013, 201, 1136-1140.	1.0	10
50	The effect of omega-3 fatty acids on coronary atherosclerosis quantified by coronary computed tomography angiography. Clinical Nutrition, 2021, 40, 1123-1129.	2.3	10
51	Case report: Third-degree skin and soft tissue burn after radiofrequency ablation of an osteoid osteoma guided through a triple-crown biopsy cannula. Skeletal Radiology, 2012, 41, 1627-1630.	1.2	9
52	CT‑guided stereotactic targeting accuracy of osteoid osteoma. International Journal of Medical Robotics and Computer Assisted Surgery, 2013, 9, 274-279.	1.2	9
53	Cone-beam Computed Tomography-guided Stereotactic Liver Punctures: A Phantom Study. CardioVascular and Interventional Radiology, 2013, 36, 1629-1637.	0.9	9
54	Gastrointestinal stromal tumors: Diagnosis, therapy and follow-up care in Austria. Wiener Medizinische Wochenschrift, 2013, 163, 137-152.	0.5	9

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55	Successful Cochlear Implantation of a Split Electrode Array in a Patient With Far-advanced Otosclerosis Assisted by Electromagnetic Navigation: A Case Report. Otology and Neurotology, 2018, 39, e532-e537.	0.7	9
56	Gender Differences in the Atherosclerosis Profile by Coronary CTA in Coronary Artery Calcium Score Zero Patients. Journal of Clinical Medicine, 2021, 10, 1220.	1.0	9
57	Ultrasonography and dual-energy computed tomography: impact for the detection of gouty deposits. Ultrasonography, 2021, 40, 197-206.	1.0	9
58	Post-Treatment HPV Surface Brushings and Risk of Relapse in Oropharyngeal Carcinoma. Cancers, 2020, 12, 1069.	1.7	8
59	Smoking and obesity predict high-risk plaque by coronary CTA in low coronary artery calcium score (CACS). Journal of Cardiovascular Computed Tomography, 2021, 15, 499-505.	0.7	8
60	Ultralow Dose MSCT Imaging in Dental Implantology. Open Dentistry Journal, 2018, 12, 87-93.	0.2	8
61	Technical efficacy and local recurrence after stereotactic radiofrequency ablation of 2653 liver tumors: a 15-year single-center experience with evaluation of prognostic factors. International Journal of Hyperthermia, 2022, 39, 421-430.	1.1	8
62	Kirschner wire placement in scaphoid bones using intraoperative CT-guided stereotaxy. Minimally Invasive Therapy and Allied Technologies, 2013, 22, 165-170.	0.6	7
63	Accuracy of computer-aided design models of the jaws produced using ultra-low MDCT doses and ASIR and MBIR. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1853-1860.	1.7	7
64	Comparability of dental implant site ridge measurements using ultra-low-dose multidetector row computed tomography combined with filtered back-projection, adaptive statistical iterative reconstruction, and model-based iterative reconstruction. Oral Radiology, 2019, 35, 280-286.	0.9	7
65	Systemic Hypotension Following Intravenous Administration of Nonionic Contrast Medium During Computed Tomography. Anesthesia and Analgesia, 2018, 126, 769-775.	1.1	6
66	Localization of the inferior alveolar canal using ultralow dose CT with iterative reconstruction techniques. Dentomaxillofacial Radiology, 2018, 47, 20170477.	1.3	6
67	Assessment of potential reduction in multidetector computed tomography doses using FBP and SAFIRE for detection and measurement of the position of the inferior alveolar canal. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2020, 129, 65-71.e7.	0.2	6
68	Coronary atherosclerosis profile in patients with end-stage liver disease prior to liver transplantation due to alcoholic fatty liver: a coronary CTA study. European Radiology, 2021, 31, 494-503.	2.3	6
69	ALADA Dose Optimization in the Computed Tomography of the Temporal Bone: The Diagnostic Potential of Different Low-Dose CT Protocols. Diagnostics, 2021, 11, 1894.	1.3	6
70	Myasthenic crisis following SARS-CoV-2 infection and delayed virus clearance in a patient treated with rituximab: clinical course and 6-month follow-up. Journal of Neurology, 2020, 268, 2700-2702.	1.8	5
71	A reporting and analysis framework for structured evaluation of COVID-19 clinical and imaging data. Npj Digital Medicine, 2021, 4, 69.	5.7	5
72	The Effect of Vitamin D on Coronary Atherosclerosis: A Propensity Score Matched Case–Control Coronary CTA Study. Journal of Cardiovascular Development and Disease, 2021, 8, 85.	0.8	5

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73	A spark of hope: histopathological and functional recovery after critical COVID-19. Infection, 2022, 50, 263-267.	2.3	5
74	Response evaluation of cervical lymph nodes after chemoradiation in patients with head and neck cancer - does additional [18F]FDG-PET-CT help?. Cancer Imaging, 2020, 20, 69.	1.2	5
75	Do Ultra-Low Multidetector Computed Tomography Doses and Iterative Reconstruction Techniques Affect Subjective Classification of Bone Type at Dental Implant Sites?. International Journal of Prosthodontics, 2018, 31, 465-470.	0.7	4
76	Benchmarking Eliminative Radiomic Feature Selection for Head and Neck Lymph Node Classification. Cancers, 2022, 14, 477.	1.7	4
77	Quantity of IgG response to SARS-CoV-2 spike glycoprotein predicts pulmonary recovery from COVID-19. Scientific Reports, 2022, 12, 3677.	1.6	4
78	Stereotactic Radiofrequency Ablation for Liver Tumors in Inherited Metabolic Disorders. CardioVascular and Interventional Radiology, 2014, 37, 1027-1033.	0.9	3
79	Nasal Floor Asymmetry Is Associated With Nasal Obstruction. Journal of Oral and Maxillofacial Surgery, 2020, 78, 1833.e1-1833.e9.	0.5	3
80	Challenges in implementation of lung cancer screening—radiology requirements. Memo - Magazine of European Medical Oncology, 2019, 12, 166-170.	0.3	2
81	Differences in coronary vasodilatory capacity and atherosclerosis in endurance athletes using coronary CTA and computational fluid dynamics (CFD): Comparison with a sedentary lifestyle. European Journal of Radiology, 2020, 130, 109168.	1.2	2
82	Bicuspid Aortic Valve Is Associated with Less Coronary Calcium and Coronary Artery Disease Burden. Journal of Clinical Medicine, 2021, 10, 3070.	1.0	2
83	The Atherosclerotic Profile of a Young Symptomatic Population between 19 and 49 Years: Coronary Computed Tomography Angiography or Coronary Artery Calcium Score?. Journal of Cardiovascular Development and Disease, 2021, 8, 157.	0.8	2
84	Dimensions and forms of artefacts in 1.5ÂT and 3ÂT MRI caused by cochlear implants. Scientific Reports, 2022, 12, 4884.	1.6	2
85	Radiofrequency ablation in gastrointestinal cancer: obstacles and goals. Memo - Magazine of European Medical Oncology, 2013, 6, 212-214.	0.3	1
86	Rare lung cancers—Primary pulmonary leiomyosarcoma: AÂcase report. Memo - Magazine of European Medical Oncology, 2021, 14, 392-396.	0.3	1
87	Navigated Interventions: Techniques and Indications. , 2013, , 87-100.		0
88	Open surgical retrieval of an embolized PFO occluder system. Vasa - European Journal of Vascular Medicine, 2017, 46, 310-312.	0.6	0
89	Coronary Artery Dimensions in Endurance Athletes by Computed Tomography Angiography: A Quantitative Analysis. Journal of Cardiovascular Development and Disease, 2021, 8, 141.	0.8	0
90	Diagnostic Guidance for Patients with Persistent Pulmonary Abnormalities after COVID-19 Infection: The Potential Benefit of 68Ga-FAPI PET/CT. World Journal of Nuclear Medicine, 2022, , .	0.3	0