Christoph Arens

List of Publications by Year
in descending order

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77 papers	2,212 citations	218677 26 h-index	254184 43 g-index
126 all docs	126 docs citations	126 times ranked	1907 citing authors

#	Article	IF	Citations
1	Vocal fold scars: current concepts and future directions. Consensus report of the phonosurgery committee of the European laryngological society. European Archives of Oto-Rhino-Laryngology, 2013, 270, 2491-2507.	1.6	102
2	Clinical and morphological aspects of laryngeal cysts. European Archives of Oto-Rhino-Laryngology, 1997, 254, 430-436.	1.6	99
3	Proposal for a descriptive guideline of vascular changes in lesions of the vocal folds by the committee on endoscopic laryngeal imaging of the European Laryngological Society. European Archives of Oto-Rhino-Laryngology, 2016, 273, 1207-1214.	1.6	97
4	Laryngeal electromyography: a proposal for guidelines of the European Laryngological Society. European Archives of Oto-Rhino-Laryngology, 2012, 269, 2227-2245.	1.6	93
5	Autofluorescence Endoscopy in the Diagnosis of Early Laryngeal Cancer and Its Precursor Lesions. Laryngoscope, 2002, 112, 488-493.	2.0	87
6	Value of narrow band imaging in the early diagnosis of laryngeal cancer. Head and Neck, 2016, 38, 15-20.	2.0	82
7	Defining phonosurgery: a proposal for classification and nomenclature by the Phonosurgery Committee of the European Laryngological Society (ELS). European Archives of Oto-Rhino-Laryngology, 2007, 264, 1191-1200.	1.6	75
8	European white paper: oropharyngeal dysphagia in head and neck cancer. European Archives of Oto-Rhino-Laryngology, 2021, 278, 577-616.	1.6	66
9	CD4+ T Cells from Human Neonates and Infants Are Poised Spontaneously To Run a Nonclassical IL-4 Program. Journal of Immunology, 2014, 192, 5160-5170.	0.8	64
10	Indirect autofluorescence laryngoscopy in the diagnosis of laryngeal cancer and its precursor lesions. European Archives of Oto-Rhino-Laryngology, 2004, 261, 71-76.	1.6	63
11	Compact Endoscopy of the Larynx. Annals of Otology, Rhinology and Laryngology, 2003, 112, 113-119.	1.1	61
12	Analysis of PIK3CA and Akt/protein kinase B in head and neck squamous cell carcinoma. Oncology Reports, 2007, 18, 253-9.	2.6	58
13	Clinical value of optical coherence tomography in laryngology. Head and Neck, 2008, 30, 1628-1635.	2.0	56
14	Indirect fluorescence laryngoscopy in the diagnosis of precancerous and cancerous laryngeal lesions. European Archives of Oto-Rhino-Laryngology, 2007, 264, 621-626.	1.6	52
15	Optical and molecular techniques to identify tumor margins within the larynx. Head and Neck, 2010, 32, 1544-1553.	2.0	51
16	FRETâ€“CLSM and double-labeling indirect immunofluorescence to detect close association of proteins in tissue sections. Laboratory Investigation, 2006, 86, 853-864.	3.7	45
17	Value of fluorescence endoscopy for the early diagnosis of laryngeal cancer and its precursor lesions. Head and Neck, 2011, 33, 941-948.	2.0	44
18	Histologic assessment of epithelial thickness in early laryngeal cancer or precursor lesions and its impact on endoscopic imaging. European Archives of Oto-Rhino-Laryngology, 2007, 264, 645-649.	1.6	41

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19	Laser-assisted surgery of the upper aero-digestive tract: a clarification of nomenclature. A consensus statement of the European Laryngological Society. European Archives of Oto-Rhino-Laryngology, 2017, 274, 3723-3727.	1.6	40
20	Endoscopic high-frequency ultrasound of the larynx. European Archives of Oto-Rhino-Laryngology, 1999, 256, 316-322.	1.6	38
21	Investigating quality of life and coping resources after laryngectomy. European Archives of Oto-Rhino-Laryngology, 2001, 258, 514-517.	1.6	38
22	Endolaryngeal high-frequency ultrasound. European Archives of Oto-Rhino-Laryngology, 1998, 255, 250-255.	1.6	34
23	Voice and respiratory outcomes after permanent transoral surgery of bilateral vocal fold paralysis. Laryngoscope, 2015, 125, 2749-2755.	2.0	32
24	Spectrometric measurement in laryngeal cancer. European Archives of Oto-Rhino-Laryngology, 2006, 263, 1001-1007.	1.6	29
25	Technique of Optical Coherence Tomography of the Larynx During Microlaryngoscopy. Laryngoscope, 2007, 117, 950-952.	2.0	28
26	Controlling cardiomyocyte length: the role of renin and PPAR-Î³. Cardiovascular Research, 2011, 89, 344-352.	3.8	27
27	Analysis of PIK3CA and Akt/protein kinase B in head and neck squamous cell carcinoma. Oncology Reports, 2007, , .	2.6	26
28	Permanent transoral surgery of bilateral vocal fold paralysis: A prospective multiâ€center trial. Laryngoscope, 2015, 125, 1401-1408.	2.0	25
29	Developmental induction of human T-cell responses against Candida albicans and Aspergillus fumigatus. Scientific Reports, 2018, 8, 16904.	3.3	23
30	Narrow band imaging for early diagnosis of epithelial dysplasia and microinvasive tumors in the upper aerodigestive tract. Hno, 2017, 65, 5-12.	1.0	21
31	Is Infrapopliteal Bypass Compromised by Distal Origin of the Proximal Anastomosis?. Annals of Vascular Surgery, 1995, 9, 172-178.	0.9	20
32	Clinical value of endosonography in the assessment of laryngeal cancer. Head and Neck, 2013, 35, 195-200.	2.0	19
33	Treatment outcomes of recurrent respiratory papillomatosis. Hno, 2018, 66, 7-15.	1.0	19
34	Flexible transnasal endoscopy with white light or narrow band imaging for the diagnosis of laryngeal malignancy: diagnostic value, observer variability and influence of previous laryngeal surgery. European Archives of Oto-Rhino-Laryngology, 2019, 276, 459-466.	1.6	17
35	Technique of high-frequency endolaryngeal ultrasound. Journal of Laryngology and Otology, 2008, 122, 1109-1111.	0.8	14
36	Anesthetic Management for Percutaneous Minimally Invasive Fetoscopic Surgery of Spina Bifida Aperta: A Retrospective, Descriptive Report of Clinical Experience. Anesthesia and Analgesia, 2017, 125, 219-222.	2.2	14

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37	Evaluation of Vascular Patterns Using Contact Endoscopy and Narrow-Band Imaging (CE-NBI) for the Diagnosis of Vocal Fold Malignancy. Cancers, 2020, 12, 248.	3.7	14
38	Glomangioma of the Nasal Cavity. Orl, 1997, 59, 179-181.	1.1	13
39	Musical Harmony in Electric Hearing. Music Perception, 2018, 36, 40-52.	1.1	13
40	Novel automated vessel pattern characterization of larynx contact endoscopic video images. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 1751-1761.	2.8	13
41	Laryngeal Lesion Classification Based on Vascular Patterns in Contact Endoscopy and Narrow Band Imaging: Manual Versus Automatic Approach. Sensors, 2020, 20, 4018.	3.8	13
42	Chronic, Mild Vestibulopathy Leads to Deficits in Spatial Tasks that Rely on Vestibular Input While Leaving Other Cognitive Functions and Brain Volumes Intact. Life, 2021, 11, 1369.	2.4	12
43	Comparison of thyroid segmentation techniques for 3D ultrasound. Proceedings of SPIE, 2017, , .	0.8	11
44	Anatomical landmarks for endosonography of the larynx. Head and Neck, 2010, 32, 326-332.	2.0	10
45	Transoral treatment strategies for head and neck tumors. GMS Current Topics in Otorhinolaryngology, Head and Neck Surgery, 2012, 11, Doc05.	0.8	10
46	Deep Convolution Neural Network for Laryngeal Cancer Classification on Contact Endoscopy-Narrow Band Imaging. Sensors, 2021, 21, 8157.	3.8	9
47	Cyclist Effort Features: A Novel Technique for Image Texture Characterization Applied to Larynx Cancer Classification in Contact Endoscopyâ€"Narrow Band Imaging. Diagnostics, 2021, 11, 432.	2.6	8
48	Active contours extension and similarity indicators for improved 3D segmentation of thyroid ultrasound images. Proceedings of SPIE, 2017, , .	0.8	8
49	Melody and chord discrimination of cochlear implant users in different pitch ranges. Cochlear Implants International, 2013, 14, 246-251.	1.2	7
50	Children From the Age of Three Show a Developmental Switch in T-Cell Differentiation. Frontiers in Immunology, 2020, 11, 1640.	4.8	7
51	Interrater variation of vascular classifications used in enhanced laryngeal contact endoscopy. European Archives of Oto-Rhino-Laryngology, 2020, 277, 2485-2492.	1.6	7
52	CFD simulations of inhalation through a subject-specific human larynx â€“ Impact of the unilateral vocal fold immobility. Computers in Biology and Medicine, 2022, 143, 105243.	7.0	7
53	Endoscopic ultrasound of the larynx. Current Opinion in Otolaryngology and Head and Neck Surgery, 2016, 24, 128-134.	1.8	6
54	Objective quantification of the vocal fold vascular pattern: comparison of narrow band imaging and white light endoscopy. European Archives of Oto-Rhino-Laryngology, 2016, 273, 2599-2605.	1.6	6

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55	Assessing Transitional Air Flow during Human Exhalation from Large Eddy Simulations based on Spectral Entropy. Flow, Turbulence and Combustion, 2019, 102, 117-128.	2.6	6
56	Vascular pattern detection and recognition in endoscopic imaging of the vocal folds. Current Directions in Biomedical Engineering, 2018, 4, 75-78.	0.4	5
57	A Preliminary Study on Automatic Characterization and Classification of Vascular Patterns of Contact Endoscopy Images. , 2019, 2019, 2703-2706.		4
58	The transnasal VideoPanendoscopy (ViP): diagnostics of the upper aerodigestive tract using an anatomically correct model from the model to the patient. European Archives of Oto-Rhino-Laryngology, 2016, 273, 749-754.	1.6	3
59	18F-FDG PET cannot predict expression of clinically relevant histopathological biomarkers in head and neck squamous cell carcinoma: a meta-analysis. Acta Radiologica, 2022, 63, 166-175.	1.1	3
60	Immune-checkpoint blockade of CTLA-4 (CD152) in antigen-specific human T-cell responses differs profoundly between neonates, children, and adults. OncoImmunology, 2021, 10, 1938475.	4.6	3
61	Position paper of the German Society of Oto-Rhino-Laryngology, Head and Neck Surgery and the German Society of Phoniatrics and Pediatric Audiology - Current state of clinical and endoscopic diagnostics, evaluation, and therapy of swallowing disorders in children. GMS Current Topics in Otorhinolaryngology, Head and Neck Surgery, 2015, 14, Doc02.	0.8	3
62	SARS-CoV-2 Vaccination Rate and SARS-CoV-2 Infection of Health Care Workers in Aerosol-Generating Medical Disciplines. Journal of Clinical Medicine, 2022, 11, 2751.	2.4	3
63	The Role of Calciumâ€Sensing Receptors in Endothelinâ€1â€Dependent Effects on Adult Rat Ventricular Cardiomyocytes: Possible Contribution to Adaptive Myocardial Hypertrophy. Journal of Cellular Physiology, 2017, 232, 2508-2518.	4.1	2
64	Manual versus Automatic Classification of Laryngeal Lesions based on Vascular Patterns in CE+NBI Images. Current Directions in Biomedical Engineering, 2020, 6, 70-73.	0.4	2
65	Optical Coherence Tomography in Laryngeal Cancer. , 2011, , 41-56.		1
66	Trans-oral miniature X-ray radiation delivery system with endoscopic optical feedback. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 1995-2002.	2.8	1
67	Multimodal control of neck muscles for vestibular mediated head oscillation damping during walking: a pilot study. European Archives of Oto-Rhino-Laryngology, 2021, 278, 3801-3811.	1.6	1
68	Narrow Band Imaging of the Upper Aerodigestive Tract. , 2016, , 625-637.		1
69	Open Partial Resection for Malignant Glottic Tumors. , 2009, , 215-220.		1
70	Significance of optical coherence tomography in the assessment of laryngeal lesions. Proceedings of SPIE, 2008, , .	0.8	0
71	Fluorescence Imaging of the Upper Aerodigestive Tract. , 2011, , 57-77.		0
72	Optical detection of cancer and precancerous lesions of the upper aerodigestive tract: methods for assessment of vertical extensions. Proceedings of SPIE, 2013, , .	0.8	0

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73	Unilateral Vocal Fold Immobility. , 2018, , 43-61.		0
74	Setup and initial testing of an endoscope manipulator system for assistance in transoral endoscopic surgery. Biomedizinische Technik, 2019, 64, 347-356.	0.8	0
75	Scarred Larynx. , 2009, , 171-176.		0
76	Endoscopic Ultrasound. , 2019, , 321-329.		0
77	Novel flexible endoscope concept with swiveling camera tip. Current Directions in Biomedical Engineering, 2020, 6, 288-291.	0.4	0