

Christian Stephan Betz

List of Publications by Year in descending order

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86
papers

2,158
citations

236925

25
h-index

254184

43
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93
all docs

93
docs citations

93
times ranked

2311
citing authors

#	ARTICLE	IF	CITATIONS
1	Mepolizumab for chronic rhinosinusitis with nasal polyps (SYNAPSE): a randomised, double-blind, placebo-controlled, phase 3 trial. <i>Lancet Respiratory Medicine</i> , 2021, 9, 1141-1153.	10.7	263
2	A comparative study of normal inspection, autofluorescence and 5-ALA-induced PPIX fluorescence for oral cancer diagnosis. <i>International Journal of Cancer</i> , 2002, 97, 245-252.	5.1	140
3	Detection of Squamous Cell Carcinoma of the Oral Cavity by Imaging 5-Aminolevulinic Acid-Induced Protoporphyrin IX Fluorescence. <i>Laryngoscope</i> , 2000, 110, 78-83.	2.0	111
4	Rationale and Design of the Hamburg City Health Study. <i>European Journal of Epidemiology</i> , 2020, 35, 169-181.	5.7	85
5	Comparison of thermal tissue effects induced by contact application of fiber guided laser systems. <i>Lasers in Surgery and Medicine</i> , 2003, 33, 93-101.	2.1	83
6	In vitro examination of suspicious oral lesions using optical coherence tomography. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2010, 48, 18-25.	0.8	78
7	Measurement of epithelial thickness within the oral cavity using optical coherence tomography. <i>Head and Neck</i> , 2012, 34, 1777-1781.	2.0	69
8	Fluorescence staining of oral cancer using a topical application of 5-aminolevulinic acid: fluorescence microscopic studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2001, 60, 44-49.	3.8	60
9	Effect of Carboxymethylcellulose Nasal Packing on Wound Healing after Functional Endoscopic Sinus Surgery. <i>American Journal of Rhinology and Allergy</i> , 2009, 23, 80-84.	2.0	59
10	Comparison of long term results after Ho:YAG and diode laser treatment of hyperplastic inferior nasal turbinates. <i>Lasers in Surgery and Medicine</i> , 2007, 39, 324-331.	2.1	54
11	Comparison of laser induced effects on hyperplastic inferior nasal turbinates by means of scanning electron microscopy. <i>Lasers in Surgery and Medicine</i> , 2002, 30, 31-39.	2.1	47
12	A Noninvasive Procedure for Early-Stage Discrimination of Malignant and Precancerous Vocal Fold Lesions Based on Laryngeal Dynamics Analysis. <i>Cancer Research</i> , 2015, 75, 31-39.	0.9	46
13	Functional endoscopic sinus surgery – A retrospective analysis of 115 children and adolescents with chronic rhinosinusitis. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2009, 73, 741-745.	1.0	45
14	Surgical management of osteomas of the frontal recess and sinus: extending the limits of the endoscopic approach. <i>European Archives of Oto-Rhino-Laryngology</i> , 2011, 268, 525-532.	1.6	45
15	Control of bleeding following functional endoscopic sinus surgery using carboxy-methylated cellulose packing. <i>European Archives of Oto-Rhino-Laryngology</i> , 2009, 266, 1239-1243.	1.6	44
16	Value of fluorescence endoscopy for the early diagnosis of laryngeal cancer and its precursor lesions. <i>Head and Neck</i> , 2011, 33, 941-948.	2.0	44
17	Fluorescence staining of laryngeal neoplasms after topical application of 5-aminolevulinic acid: Preliminary results. , 1999, 25, 414-420.		43
18	Optimization of treatment parameters for Foscan®-PDT of basal cell carcinomas. <i>Lasers in Surgery and Medicine</i> , 2008, 40, 300-311.	2.1	38

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19	Head & neck optical diagnostics: vision of the future of surgery. <i>Head & Neck Oncology</i> , 2009, 1, 25.	2.3	32
20	Analyzing expression and phosphorylation of the EGF receptor in HNSCC. <i>Scientific Reports</i> , 2019, 9, 13564.	3.3	32
21	Evaluation of optical coherence tomography to discriminate lesions of the upper aerodigestive tract. <i>Head and Neck</i> , 2013, 35, 1558-1566.	2.0	31
22	In vitro photodynamic therapy of nasopharyngeal carcinoma using 5-aminolevulinic acid. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 315-319.	2.9	30
23	Complications of acute frontal sinusitis: a retrospective study. <i>European Archives of Oto-Rhino-Laryngology</i> , 2007, 265, 63-72.	1.6	30
24	Interstitial photodynamic therapy for a symptom-targeted treatment of complex vascular malformations in the head and neck region. <i>Lasers in Surgery and Medicine</i> , 2007, 39, 571-582.	2.1	29
25	Photodynamic therapy for cholangiocarcinoma using low dose mTHPC (Foscan®). <i>Photodiagnosis and Photodynamic Therapy</i> , 2013, 10, 220-228.	2.6	28
26	Perioperative management of antithrombotic medication in head and neck reconstruction—a retrospective analysis of 137 patients. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2012, 33, 693-696.	1.3	26
27	Long-term Outcome for Open and Endoscopically Resected Sinonasal Tumors. <i>Otolaryngology - Head and Neck Surgery</i> , 2019, 160, 862-869.	1.9	26
28	Association Between High Initial Tissue Levels of Cyclin D1 and Recurrence of Nasopharyngeal Carcinoma. <i>Laryngoscope</i> , 2002, 112, 402-408.	2.0	24
29	Functional endoscopic surgery of paranasal fungus ball: clinical outcome, patient benefit and health-related quality of life. <i>European Archives of Oto-Rhino-Laryngology</i> , 2012, 269, 2203-2208.	1.6	23
30	Initial experience in the treatment of oral leukoplakia with high-dose vitamin A and follow-up 5-aminolevulinic acid induced protoporphyrin IX fluorescence. <i>European Archives of Oto-Rhino-Laryngology</i> , 2000, 257, 327-331.	1.6	22
31	A double-blind, randomized, intra-individual controlled feasibility trial comparing the use of 1,470 and 940-nm diode laser for the treatment of hyperplastic inferior nasal turbinates. <i>Lasers in Surgery and Medicine</i> , 2011, 43, 881-886.	2.1	22
32	Intraindividual comparison of 1,470-nm diode laser versus carbon dioxide laser for tonsillotomy: A prospective, randomized, double blind, controlled feasibility trial. <i>Lasers in Surgery and Medicine</i> , 2012, 44, 558-563.	2.1	22
33	Impact of comorbidity and anemia in patients with oropharyngeal cancer primarily treated with surgery in the human papillomavirus era. <i>Head and Neck</i> , 2017, 39, 7-16.	2.0	22
34	Chip-on-the-tip compact flexible endoscopic epifluorescence video-microscope for in-vivo imaging in medicine and biomedical research. <i>Biomedical Optics Express</i> , 2017, 8, 3329.	2.9	21
35	Preliminary Report Of Endolaryngeal And Endotracheal Laser Surgery Of Juvenile-Onset Recurrent Respiratory Papillomatosis By Nd:Yag Laser and a New Fiber Guidance Instrument. <i>Otolaryngology - Head and Neck Surgery</i> , 2004, 131, 44-49.	1.9	20
36	Confocal laser endomicroscopy in head and neck cancer. <i>Current Opinion in Otolaryngology and Head and Neck Surgery</i> , 2013, 21, 164-170.	1.8	19

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37	Long-term outcomes following foscarnin-PDT of basal cell carcinomas. <i>Lasers in Surgery and Medicine</i> , 2012, 44, 533-540.	2.1	18
38	Phase III study of nivolumab alone or combined with ipilimumab as immunotherapy versus standard of care in resectable head and neck squamous cell carcinoma. <i>Future Oncology</i> , 2020, 16, 3035-3043.	2.4	18
39	Laser induced fragmentation of salivary stones: An in vitro comparison of two different, clinically approved laser systems. <i>Lasers in Surgery and Medicine</i> , 2008, 40, 257-264.	2.1	17
40	Surgically treated oropharyngeal cancer: risk factors and tumor characteristics. <i>Journal of Cancer Research and Clinical Oncology</i> , 2014, 140, 1011-1019.	2.5	16
41	Evaluation of the combined use of narrow band imaging and high-speed imaging to discriminate laryngeal lesions. <i>Lasers in Surgery and Medicine</i> , 2017, 49, 609-618.	2.1	16
42	NI endoscopic classification for Storz Professional Image Enhancement System (SPIES) endoscopy in the detection of upper aerodigestive tract (UADT) tumours. <i>Scientific Reports</i> , 2020, 10, 6941.	3.3	15
43	Transketolase-like protein 1 confers resistance to serum withdrawal in vitro. <i>Cancer Letters</i> , 2011, 300, 20-29.	7.2	14
44	Intraoperative assessment of laryngeal pathologies with optical coherence tomography integrated into a surgical microscope. <i>Lasers in Surgery and Medicine</i> , 2017, 49, 490-497.	2.1	14
45	Endoscopic assessment of free flap perfusion in the upper aerodigestive tract using indocyanine green: A pilot study. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2013, 66, 667-674.	1.0	13
46	Evaluation of confocal laser endomicroscopy as an aid to differentiate primary flat lesions of the larynx: A prospective clinical study. <i>Head and Neck</i> , 2016, 38, E1695-704.	2.0	13
47	Dual Inhibition of PARP and the Intra-S/G2 Cell Cycle Checkpoints Results in Highly Effective Radiosensitization of HPV-Positive HNSCC Cells. <i>Frontiers in Oncology</i> , 2021, 11, 683688.	2.8	13
48	Diode laser-induced tissue effects: In vitro tissue model study and in vivo evaluation of wound healing following non-contact application. <i>Lasers in Surgery and Medicine</i> , 2014, 46, 449-455.	2.1	12
49	Implementation analysis of patient reported outcomes (PROs) in oncological routine care: an observational study protocol. <i>Health and Quality of Life Outcomes</i> , 2020, 18, 3.	2.4	11
50	Confocal laser endomicroscopy in head and neck malignancies using FITC-labelled EpCAM and EGF antibodies in cell lines and tumor biopsies. <i>Journal of Biophotonics</i> , 2017, 10, 1365-1376.	2.3	10
51	Analyzing tyrosine kinase activity in head and neck cancer by functional kinomics: Identification of hyperactivated Src family kinases as prognostic markers and potential targets. <i>International Journal of Cancer</i> , 2021, 149, 1166-1180.	5.1	10
52	A Pilot Series Demonstrating Fluorescence Staining of Laryngeal Papilloma Using 5-Aminolevulinic Acid. <i>Laryngoscope</i> , 2000, 110, 1783-1785.	2.0	9
53	Microinvasive Nd:YAG Laser Therapy of Early Glottic Carcinoma and Its Effect on Soluble Interleukin-2 Receptor, Interleukin-2, and Natural Killer Cells. <i>Laryngoscope</i> , 2001, 111, 1585-1588.	2.0	9
54	Imaging of the internal nasal valve using long-range Fourier domain optical coherence tomography. <i>Laryngoscope</i> , 2016, 126, E97-E102.	2.0	8

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55	Comparative effectiveness trial of transoral head and neck surgery followed by adjuvant radio(chemo)therapy versus primary radiochemotherapy for oropharyngeal cancer (TopROC). BMC Cancer, 2020, 20, 701.	2.6	8
56	Spatio-spectral deep learning methods for in-vivo hyperspectral laryngeal cancer detection. , 2020, , .		8
57	<title>New developments in fluorescence detection of ALA-induced protoporphyrin IX for cancer localization</title>. , 1997, 3197, 68.		7
58	Photodynamic therapy in the upper aerodigestive tract. Overview and outlook. Journal of Biophotonics, 2016, 9, 1302-1313.	2.3	7
59	Preclinical study investigating the potential of low-dose-rate brachytherapy with ³² P stents for the prevention of restenosis of paranasal neo-ostia. Brachytherapy, 2017, 16, 207-214.	0.5	5
60	Rational surgical neck management in total laryngectomy for advanced stage laryngeal squamous cell carcinomas. Journal of Cancer Research and Clinical Oncology, 2021, 147, 549-559.	2.5	5
61	Authorâ€™s response to the letter of the editor regarding the â€™Review of surgical techniques and guide for decision making in the treatment of benign parotid tumorsâ€™. European Archives of Oto-Rhino-Laryngology, 2020, 277, 3539-3540.	1.6	4
62	Fibroblast Growth Factor 23-Producing Phosphaturic Mesenchymal Tumor with Extraordinary Morphology Causing Oncogenic Osteomalacia. Medicina (Lithuania), 2020, 56, 34.	2.0	4
63	Endotracheal Tube Electrodes to Assess Vocal Cord Motor Function During Surgery in the Cerebellopontine Angle. Neurosurgery, 2015, 77, 471-478.	1.1	3
64	ENT Residents Benefit from a Structured Operation Planning Approach in the Training of Functional Endoscopic Sinus Surgery. Medicina (Lithuania), 2021, 57, 1062.	2.0	3
65	Low dose mTHPC photodynamic therapy for cholangiocarcinoma. Proceedings of SPIE, 2013, , .	0.8	2
66	Use of an ultrasonic aspirator in transnasal surgery of tumorous lesions of the anterior skull base. Interdisciplinary Neurosurgery: Advanced Techniques and Case Management, 2019, 18, 100545.	0.3	2
67	Endoscopic endonasal repair of complete bilateral choanal atresia in neonates. European Journal of Pediatrics, 2021, 180, 2245-2251.	2.7	2
68	Multicenter randomized controlled phase III study of nivolumab alone or in combination with ipilimumab as immunotherapy vs standard follow-up in surgical resectable HNSCC after adjuvant therapy.. Journal of Clinical Oncology, 2019, 37, TPS6095-TPS6095.	1.6	2
69	Development of a Short Instrument for Measuring Health-Related Quality of Life in Oncological Patients for Clinical Use: Protocol for an Observational Study. JMIR Research Protocols, 2020, 9, e17854.	1.0	2
70	Tissue Microarray Analyses Suggest Axl as a Predictive Biomarker in HPV-Negative Head and Neck Cancer. Cancers, 2022, 14, 1829.	3.7	2
71	Multiple fluorophore-analysis (MFA) for qualitative tissue diagnosis in the oral cavity. Proceedings of SPIE, 2007, , .	0.8	1
72	Efficacy of low-dose mTHPC-PDT for the treatment of basal cell carcinomas. Proceedings of SPIE, 2009, , .	0.8	1

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73	Controlled feasibility trial comparing the use of 1470nm and 940nm diode laser for the treatment of hyperplastic inferior nasal turbinates. , 2012, , .		1
74	Optical coherence tomography for tissue classification of the larynx in an outpatient settingâ€”a translational challenge on the verge of a resolution?. Translational Biophotonics, 2021, 3, e202000013.	2.7	1
75	Nasoseptal Flap for Skull Base Reconstruction in a Three-Year-Old Child With Nasofrontal Meningoencephalocele. Ear, Nose and Throat Journal, 2023, 102, NP149-NP153.	0.8	1
76	Comparative effectiveness trial of transoral head and neck surgery followed by adjuvant radio(chemo)therapy versus primary radiochemotherapy for oropharyngeal cancer (TopROC).. Journal of Clinical Oncology, 2019, 37, TPS6093-TPS6093.	1.6	1
77	Transmission of LED-light through optical fibers for optical tissue diagnostics. , 2008, , .		1
78	Dual Parallel Reverse Attention Edge Network : DPRA-EdgeNet. Nordic Machine Intelligence, 2021, 1, 8-10.	0.4	1
79	<title>Microinvasive laser surgery for laryngeal carcinoma</title>. , 2001, , .		0
80	A fluorescence diagnostic system detecting cancer-specific enzymatic activities: preliminary results. , 2009, , .		0
81	Endoscopic ICC perfusion imaging for flap transplants: technical development. , 2010, , .		0
82	Probe-based confocal laser endomicroscopy in head and neck malignancies: early preclinical experience. , 2013, , .		0
83	Intracranial and intradural nasal polyposis after iatrogenic skull base defect: A case report. British Journal of Neurosurgery, 2017, 31, 379-381.	0.8	0
84	Chip-on-the-tip ultra-compact flexible endoscopic epifluorescence video-microscope for in-vivo imaging in medical and biomedical fields. Proceedings of SPIE, 2017, , .	0.8	0
85	Light Up the Tissue and Brighten Your Patientsâ€™ Odds. Annals of Surgical Oncology, 2019, 26, 1184-1185.	1.5	0
86	Differentiation of tumors of the upper respiratory tract using optical metabolic imaging. , 2020, , .		0