Amy Y Chen

List of Publications by Year
in descending order

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80 papers	4,403 citations	159525 30 h-index	110317 64 g-index
81 all docs	81 docs citations	81 times ranked	5557 citing authors

#	Article	IF	Citations
1	Increasing incidence of differentiated thyroid cancer in the United States, 1988â€“2005. Cancer, 2009, 115, 3801-3807.	2.0	832
2	American Association of Clinical Endocrinologists and American College of Endocrinology Disease State Clinical Review: The Increasing Incidence of Thyroid Cancer. Endocrine Practice, 2015, 21, 686-696.	1.1	259
3	Epidemiology and Demographics of the Head and Neck Cancer Population. Oral and Maxillofacial Surgery Clinics of North America, 2018, 30, 381-395.	0.4	222
4	American Thyroid Association Statement on Surgical Application of Molecular Profiling for Thyroid Nodules: Current Impact on Perioperative Decision Making. Thyroid, 2015, 25, 760-768.	2.4	204
5	Factors Predictive of Survival in Advanced Laryngeal Cancer. JAMA Otolaryngology, 2007, 133, 1270.	1.5	186
6	Deep convolutional neural networks for classifying head and neck cancer using hyperspectral imaging. Journal of Biomedical Optics, 2017, 22, 060503.	1.4	165
7	American Thyroid Association Statement on Optimal Surgical Management of Goiter. Thyroid, 2014, 24, 181-189.	2.4	153
8	Current treatment of head and neck squamous cell cancer. Journal of Surgical Oncology, 2014, 110, 551-574.	0.8	127
9	Improved survival is associated with treatment at highâ€volume teaching facilities for patients with advanced stage laryngeal cancer. Cancer, 2010, 116, 4744-4752.	2.0	124
10	International neuromonitoring study group guidelines 2018: Part II: Optimal recurrent laryngeal nerve management for invasive thyroid cancerâ€"incorporation of surgical, laryngeal, and neural electrophysiologic data. Laryngoscope, 2018, 128, S18-S27.	1.1	111
11	Changes in Treatment of Advanced Oropharyngeal Cancer, 1985???2001. Laryngoscope, 2007, 117, 16-21.	1.1	107
12	Temporal Trends in the Treatment of Early- and Advanced-Stage Laryngeal Cancer in the United States, 1985-2007. JAMA Otolaryngology, 2011, 137, 1017.	1.5	104
13	The impact of health insurance status on stage at diagnosis of oropharyngeal cancer. Cancer, 2007, 110, 395-402.	2.0	103
14	Health Insurance and Stage at Diagnosis of Laryngeal Cancer. JAMA Otolaryngology, 2007, 133, 784.	1.5	97
15	Label-free reflectance hyperspectral imaging for tumor margin assessment: a pilot study on surgical specimens of cancer patients. Journal of Biomedical Optics, 2017, 22, 1.	1.4	95
16	Detection of Head and Neck Cancer in Surgical Specimens Using Quantitative Hyperspectral Imaging. Clinical Cancer Research, 2017, 23, 5426-5436.	3.2	91
17	Impact of treating facilities' volume on survival for earlyâ€stage laryngeal cancer. Head and Neck, 2009, 31, 1137-1143.	0.9	83
18	Disparities and Trends in Sentinel Lymph Node Biopsy Among Early-Stage Breast Cancer Patients (1998-2005). Journal of the National Cancer Institute, 2008, 100, 462-474.	3.0	82

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19	Changes in treatment of advanced laryngeal cancer 1985-2001. Otolaryngology - Head and Neck Surgery, 2006, 135, 831-837.	1.1	77
20	Hyperspectral Imaging of Head and Neck Squamous Cell Carcinoma for Cancer Margin Detection in Surgical Specimens from 102 Patients Using Deep Learning. Cancers, 2019, 11, 1367.	1.7	71
21	Temporal trends in oropharyngeal cancer treatment and survival: 1998â€“2009. Laryngoscope, 2014, 124, 131-138.	1.1	70
22	Head and Neck Cancer Detection in Digitized Whole-Slide Histology Using Convolutional Neural Networks. Scientific Reports, 2019, 9, 14043.	1.6	66
23	Lymph node ratio influence on risk of head and neck cancer locoregional recurrence after initial surgical resection: Implications for adjuvant therapy. Head and Neck, 2015, 37, 777-782.	0.9	64
24	Optical biopsy of head and neck cancer using hyperspectral imaging and convolutional neural networks. Journal of Biomedical Optics, 2019, 24, 1.	1.4	61
25	Tumor detection of the thyroid and salivary glands using hyperspectral imaging and deep learning. Biomedical Optics Express, 2020, 11, 1383.	1.5	53
26	The importance of margins in head and neck cancer. Journal of Surgical Oncology, 2016, 113, 248-255.	0.8	48
27	Framework for hyperspectral image processing and quantification for cancer detection during animal tumor surgery. Journal of Biomedical Optics, 2015, 20, 126012.	1.4	44
28	PET-CT vs contrast-enhanced CT: What is the role for each after chemoradiation for advanced oropharyngeal cancer?. Head and Neck, 2006, 28, 487-495.	0.9	42
29	Systemic treatment and management approaches for medullary thyroid cancer. Cancer Treatment Reviews, 2016, 50, 89-98.	3.4	36
30	Five- and 10-Year Cause-Specific Survival Rates in Carcinoma of the Minor Salivary Gland. JAMA Otolaryngology - Head and Neck Surgery, 2016, 142, 67.	1.2	34
31	Treatment and survival vary by race/ethnicity in patients with anaplastic thyroid cancer. Cancer, 2018, 124, 1780-1790.	2.0	32
32	Comparative effectiveness of surgical and nonsurgical therapy for advanced laryngeal cancer. Cancer, 2016, 122, 2845-2856.	2.0	29
33	Detection and delineation of squamous neoplasia with hyperspectral imaging in a mouse model of tongue carcinogenesis. Journal of Biophotonics, 2018, 11, e201700078.	1.1	29
34	Changes in thyroid cancer incidence, postâ€2009 <scp>A</scp>merican Thyroid <scp>A</scp>ssociation guidelines. Laryngoscope, 2017, 127, 2437-2441.	1.1	28
35	Tumor margin classification of head and neck cancer using hyperspectral imaging and convolutional neural networks. , 2018, 10576, .		27
36	Hyperspectral imaging for head and neck cancer detection: specular glare and variance of the tumor margin in surgical specimens. Journal of Medical Imaging, 2019, 6, 1.	0.8	25

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37	US Mortality Rates for Oral Cavity and Pharyngeal Cancer by Educational Attainment. JAMA Otolaryngology, 2011, 137, 1094.	1.5	21
38	Quality Initiatives in Head and Neck Cancer. Current Oncology Reports, 2010, 12, 109-114.	1.8	19
39	Honokiol Radiosensitizes Squamous Cell Carcinoma of the Head and Neck by Downregulation of Survivin. Clinical Cancer Research, 2018, 24, 858-869.	3.2	19
40	Optical biopsy of head and neck cancer using hyperspectral imaging and convolutional neural networks. , 2018, 10469, .		19
41	Prognostic implications of peritumoral vasculature in head and neck cancer. Cancer Medicine, 2019, 8, 147-154.	1.3	19
42	Application of Strict Criteria for Noninvasive Follicular Thyroid Neoplasm with Papillary-Like Nuclear Features and Encapsulated Follicular Variant Papillary Thyroid Carcinoma: a Retrospective Study of 50 Tumors Previously Diagnosed as Follicular Variant PTC. Endocrine Pathology, 2018, 29, 35-42.	5.2	18
43	Association of Socioeconomic Status and Race/Ethnicity With Treatment and Survival in Patients With Medullary Thyroid Cancer. JAMA Otolaryngology - Head and Neck Surgery, 2016, 142, 763.	1.2	17
44	Qualitative Study of Mentorship for Women and Minorities in Surgery. Journal of the American College of Surgeons, 2022, 234, 253-261.	0.2	17
45	Hyperspectral imaging of neoplastic progression in a mouse model of oral carcinogenesis. Proceedings of SPIE, 2016, 9788, .	0.8	16
46	Deep learning based classification for head and neck cancer detection with hyperspectral imaging in an animal model. Proceedings of SPIE, 2017, 10137, .	0.8	14
47	Determinants of racial differences in survival for sinonasal cancer. Laryngoscope, 2016, 126, 2022-2028.	1.1	13
48	Histopathology Feature Mining and Association with Hyperspectral Imaging for the Detection of Squamous Neoplasia. Scientific Reports, 2019, 9, 17863.	1.6	13
49	Pitfalls in the Staging Squamous Cell Carcinoma of the Hypopharynx. Neuroimaging Clinics of North America, 2013, 23, 67-79.	0.5	12
50	Development and external validation of a riskâ€prediction model to predict 5â€year overall survival in advanced larynx cancer. Laryngoscope, 2018, 128, 1140-1145.	1.1	12
51	Children and thyroid cancer: Interpreting troubling trends. Cancer, 2019, 125, 2359-2361.	2.0	12
52	Oral Intubation Attempts in Patients With a Laryngectomy: A Significant Safety Threat. Otolaryngology - Head and Neck Surgery, 2021, 164, 1040-1043.	1.1	12
53	Automatic detection of head and neck squamous cell carcinoma on pathologic slides using polarized hyperspectral imaging and machine learning. , 2021, 11603, .		12
54	Assessment of Gender Differences in Perceptions of Work-Life Integration Among Head and Neck Surgeons. JAMA Otolaryngology - Head and Neck Surgery, 2019, 145, 453.	1.2	11

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55	Betel Quid Use and Oral Cancer in a High-Risk Refugee Community in the USA: The Effectiveness of an Awareness Initiative. Journal of Cancer Education, 2019, 34, 309-314.	0.6	11
56	Phase Ib Study of Chemoprevention with Green Tea Polyphenon E and Erlotinib in Patients with Advanced Premalignant Lesions (APL) of the Head and Neck. Clinical Cancer Research, 2020, 26, 5860-5868.	3.2	11
57	Perioperative pain management and opioidâ€reduction in head and neck endocrine surgery: An American Head and Neck Society Endocrine Surgery Section consensus statement. Head and Neck, 2021, 43, 2281-2294.	0.9	11
58	Suturing the gender gap through sponsorship: The role of sponsorship in female entry and advancement through their surgical careers. American Journal of Surgery, 2022, 224, 266-270.	0.9	10
59	Tumor margin assessment of surgical tissue specimen of cancer patients using label-free hyperspectral imaging. , 2017, 10054, .		9
60	Survival advantage of chemoradiotherapy in anaplastic thyroid carcinoma: Propensity score matched analysis with multiple subgroups. Head and Neck, 2020, 42, 678-687.	0.9	8
61	Ethical framework for head and neck endocrine surgery in the <scp>COVID</scp>â€19 pandemic. Head and Neck, 2020, 42, 1418-1419.	0.9	8
62	Cancer detection using hyperspectral imaging and evaluation of the superficial tumor margin variance with depth. , 2019, 10951, .		8
63	Validation of Health Status Instruments. Orl, 2004, 66, 167-172.	0.6	7
64	Deformable registration of histological cancer margins to gross hyperspectral images using demons. , 2018, 10581, .		7
65	Automatic detection of head and neck squamous cell carcinoma on histologic slides using hyperspectral microscopic imaging. Journal of Biomedical Optics, 2022, 27, .	1.4	7
66	Using a 22-layer U-Net to perform segmentation of squamous cell carcinoma on digitized head and neck histological images. , 2020, 11320, .		6
67	Prognostic biomarkers in patients with human immunodeficiency virusâ€positive disease with head and neck squamous cell carcinoma. Head and Neck, 2017, 39, 2433-2443.	0.9	5
68	T4 Laryngeal Cancer With Good Function: Should We Be Reluctant to Treat Without Surgery?. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1400-1403.	0.4	5
69	Pediatric intraoperative nerve monitoring during thyroid surgery: A review from the American Head and Neck Society Endocrine Surgery Section and the International Neural Monitoring Study Group. Head and Neck, 2022, 44, 1468-1480.	0.9	5
70	Quantitative diagnosis of tongue cancer from histological images in an animal model. Proceedings of SPIE, 2016, 9791, .	0.8	4
71	Detection of squamous cell carcinoma in digitized histological images from the head and neck using convolutional neural networks. , 2019, 10956, .		4
72	A shifting paradigm for patients with head and neck cancer: transoral robotic surgery (TORS). Oncology, 2010, 24, 1030, 1032.	0.4	4

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73	A Multicenter Randomized Phase II Study of Single Agent Efficacy and Optimal Combination Sequence of Everolimus and Pasireotide LAR in Advanced Thyroid Cancer. Cancers, 2022, 14, 2639.	1.7	4
74	Open Access in biomedical sciences: What the current turning point means more specifically to Oral Oncology contributors and readers. Oral Oncology, 2013, 49, 985-986.	0.8	3
75	VATS Resection of Large Ectopic Posterior Mediastinal Cystic Parathyroid Adenoma. Annals of Thoracic Surgery, 2019, 108, e301-e302.	0.7	3
76	Trends and Predictors of Chemotherapy Use among Thyroid Cancer Patients in the National Cancer Database (2004-2013). European Thyroid Journal, 2016, 5, 268-276.	1.2	2
77	Intermittent Neuromonitoring of the Recurrent Laryngeal and Vagus Nerves: the Ins and Outs. Current Otorhinolaryngology Reports, 2021, 9, 316-325.	0.2	2
78	Barriers to thyroid cancer screening with ultrasound in patients with familial adenomatous polyposis. Laryngoscope, 2019, 129, 2436-2441.	1.1	1
79	Re: â€œRoutine Preoperative Laryngoscopy for Thyroid Surgery Is Not Necessary Without Risk Factorsâ€•by Maher et al. (Thyroid 2019;29:1646â€“1652. DOI: 10.1089/thy.2019.0145). Thyroid, 2020, 30, 785-786.	2.4	0
80	Current Trainee and Workforce Patterns for Thyroid and Parathyroid Surgery in the United States. Endocrine Practice, 2021, 27, 749-753.	1.1	0