

# Ilmo Leivo

## List of Publications by Year in descending order

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81  
papers

4,120  
citations

126907

33  
h-index

123424

61  
g-index

83  
all docs

83  
docs citations

83  
times ranked

3928  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mammary Analogue Secretory Carcinoma of Salivary Glands, Containing the ETV6-NTRK3 Fusion Gene: A Hitherto Undescribed Salivary Gland Tumor Entity. <i>American Journal of Surgical Pathology</i> , 2010, 34, 599-608.	3.7	857
2	Depth of invasion, tumor budding, and worst pattern of invasion: Prognostic indicators in early-stage oral tongue cancer. <i>Head and Neck</i> , 2014, 36, 811-818.	2.0	241
3	Staging and grading of oral squamous cell carcinoma: An update. <i>Oral Oncology</i> , 2020, 107, 104799.	1.5	172
4	Prognostic biomarkers for oral tongue squamous cell carcinoma: a systematic review and meta-analysis. <i>British Journal of Cancer</i> , 2017, 117, 856-866.	6.4	155
5	Genomic profiles and CRTC1-MAML2 fusion distinguish different subtypes of mucoepidermoid carcinoma. <i>Modern Pathology</i> , 2013, 26, 213-222.	5.5	126
6	Tumour budding in oral squamous cell carcinoma: a meta-analysis. <i>British Journal of Cancer</i> , 2018, 118, 577-586.	6.4	115
7	92-kDa type IV collagenase and TIMP-3, but not 72-kDa type IV collagenase or TIMP-1 or TIMP-2, are highly expressed during mouse embryo implantation. <i>Developmental Dynamics</i> , 1995, 202, 388-396.	1.8	112
8	For early-stage oral tongue cancer, depth of invasion and worst pattern of invasion are the strongest pathological predictors for locoregional recurrence and mortality. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2015, 467, 39-46.	2.8	111
9	Cribriform Adenocarcinoma of Minor Salivary Gland Origin Principally Affecting the Tongue. <i>American Journal of Surgical Pathology</i> , 2011, 35, 1168-1176.	3.7	107
10	Update from the 5th Edition of the World Health Organization Classification of Head and Neck Tumors: Salivary Glands. <i>Head and Neck Pathology</i> , 2022, 16, 40-53.	2.6	96
11	Sinonasal Adenocarcinoma: Update on Classification, Immunophenotype and Molecular Features. <i>Head and Neck Pathology</i> , 2016, 10, 68-74.	2.6	88
12	Tumour budding in head and neck squamous cell carcinoma—A systematic review. <i>Histopathology</i> , 2014, 65, 587-594.	2.9	86
13	Comparison of supervised machine learning classification techniques in prediction of locoregional recurrences in early oral tongue cancer. <i>International Journal of Medical Informatics</i> , 2020, 136, 104068.	3.3	83
14	NCOA4-RET and TRIM27-RET Are Characteristic Gene Fusions in Salivary Intraductal Carcinoma, Including Invasive and Metastatic Tumors. <i>American Journal of Surgical Pathology</i> , 2019, 43, 1303-1313.	3.7	82
15	Machine learning in oral squamous cell carcinoma: Current status, clinical concerns and prospects for future—A systematic review. <i>Artificial Intelligence in Medicine</i> , 2021, 115, 102060.	6.5	74
16	Cell proliferation correlates with prognosis in acinic cell carcinomas of salivary gland origin. Immunohistochemical study of 30 cases using the MIB 1 antibody in formalin-fixed paraffin sections. <i>Journal of Pathology</i> , 1994, 173, 13-21.	4.5	72
17	Machine learning application for prediction of locoregional recurrences in early oral tongue cancer: a Web-based prognostic tool. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2019, 475, 489-497.	2.8	71
18	Expanding the Molecular Spectrum of Secretory Carcinoma of Salivary Glands With a Novel VIM-RET Fusion. <i>American Journal of Surgical Pathology</i> , 2020, 44, 1295-1307.	3.7	62

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19	ETV6 Gene Rearrangements Characterize a Morphologically Distinct Subset of Sinonasal Low-grade Nonintestinal-type Adenocarcinoma. <i>American Journal of Surgical Pathology</i> , 2017, 41, 1552-1560.	3.7	61
20	Oncocytic myoepithelioma and pleomorphic adenoma of the salivary glands. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 1999, 434, 537-546.	2.8	56
21	Prognostic impact of tumour-stroma ratio in early-stage oral tongue cancers. <i>Histopathology</i> , 2018, 72, 1128-1135.	2.9	54
22	Basement membrane laminin-5 is deposited in colorectal adenomas and carcinomas and serves as a ligand for $\alpha 3 \beta 1$ integrin. <i>Apmis</i> , 2000, 108, 161-172.	2.0	50
23	Prognostic significance of matrix metalloproteinase-2, -8, -9, and -13 in oral tongue cancer. <i>Journal of Oral Pathology and Medicine</i> , 2012, 41, 394-399.	2.7	47
24	Expression of type IV collagen $\alpha 1(IV)$ and $\alpha 6(IV)$ polypeptides in normal and developing human kidney and in renal cell carcinomas and oncocytomas. <i>Journal of Histochemistry and Cytochemistry</i> , 1997, 72, 43-49.		46
25	Assessment of Tumor-infiltrating Lymphocytes Predicts the Behavior of Early-stage Oral Tongue Cancer. <i>American Journal of Surgical Pathology</i> , 2019, 43, 1392-1396.	3.7	44
26	Hallmarks of cancer: Tumor budding as a sign of invasion and metastasis in head and neck cancer. <i>Head and Neck</i> , 2019, 41, 3712-3718.	2.0	43
27	Laminins, tenascin and type VII collagen in colorectal mucosa. <i>The Histochemical Journal</i> , 1996, 28, 431-440.	0.6	42
28	Epstein-Barr virus and human papillomaviruses as favorable prognostic factors in nasopharyngeal carcinoma: A nationwide study in Finland. <i>Head and Neck</i> , 2019, 41, 349-357.	2.0	42
29	Comparison of nomogram with machine learning techniques for prediction of overall survival in patients with tongue cancer. <i>International Journal of Medical Informatics</i> , 2021, 145, 104313.	3.3	42
30	Insights into a complex group of neoplastic disease: Advances in histopathologic classification and molecular pathology of salivary gland cancer. <i>Acta Oncologica</i> , 2006, 45, 662-668.	1.8	41
31	Clinical significance of tumor-stroma ratio in head and neck cancer: a systematic review and meta-analysis. <i>BMC Cancer</i> , 2021, 21, 480.	2.6	41
32	Evaluation of the budding and depth of invasion (BD) model in oral tongue cancer biopsies. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2018, 472, 231-236.	2.8	39
33	Prognostic value of tumour budding in oesophageal cancer: a meta-analysis. <i>Histopathology</i> , 2016, 68, 173-182.	2.9	38
34	A Proposal to Revise the Histopathologic Grading System of Early Oral Tongue Cancer Incorporating Tumor Budding. <i>American Journal of Surgical Pathology</i> , 2019, 43, 703-709.	3.7	38
35	Intestinal-Type Adenocarcinoma: Classification, Immunophenotype, Molecular Features and Differential Diagnosis. <i>Head and Neck Pathology</i> , 2017, 11, 295-300.	2.6	33
36	Development of a novel salivary gland cancer lymph node staging system. <i>Cancer</i> , 2018, 124, 3171-3180.	4.1	33

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37	Biomarkers for Immunotherapy of Oral Squamous Cell Carcinoma: Current Status and Challenges. <i>Frontiers in Oncology</i> , 2021, 11, 616629.	2.8	33
38	Molecular Profiling of Salivary Oncocytic Mucoepidermoid Carcinomas Helps to Resolve Differential Diagnostic Dilemma With Low-grade Oncocytic Lesions. <i>American Journal of Surgical Pathology</i> , 2020, 44, 1612-1622.	3.7	30
39	Tumor-infiltrating lymphocytes associate with outcome in nonendemic nasopharyngeal carcinoma: a multicenter study. <i>Human Pathology</i> , 2018, 81, 211-219.	2.0	27
40	Does evaluation of tumour budding in diagnostic biopsies have a clinical relevance? A systematic review. <i>Histopathology</i> , 2019, 74, 536-544.	2.9	26
41	Abnormal mitochondria and sarcoplasmic changes in rabbit skeletal muscle induced by immobilization. <i>Apmis</i> , 1998, 106, 1113-1123.	2.0	22
42	Outcome of nasopharyngeal carcinoma in Finland: A nationwide study. <i>Acta OncolÃ³gica</i> , 2018, 57, 251-256.	1.8	22
43	Overall assessment of tumor-infiltrating lymphocytes in head and neck squamous cell carcinoma: time to take notice. <i>Acta Oto-Laryngologica</i> , 2020, 140, 246-248.	0.9	22
44	Tumour-infiltrating lymphocytes in oropharyngeal cancer: a validation study according to the criteria of the International Immuno-Oncology Biomarker Working Group. <i>British Journal of Cancer</i> , 2022, 126, 1589-1594.	6.4	22
45	Sclerosing Polycystic Adenoma of Salivary Glands. <i>American Journal of Surgical Pathology</i> , 2022, 46, 268-280.	3.7	20
46	What is hiding behind S100 protein and SOX10 positive oncocytomas? Oncocytic pleomorphic adenoma and myoepithelioma with novel gene fusions in a subset of cases. <i>Human Pathology</i> , 2020, 103, 52-62.	2.0	19
47	Small oral tongue cancers (â‰¤4cm in diameter) with clinically negative neck: from the 7th to the 8th edition of the American Joint Committee on Cancer. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2018, 473, 481-487.	2.8	18
48	Survival Impact of Adjuvant Therapy in Salivary Gland Cancers following Resection and Neck Dissection. <i>Otolaryngology - Head and Neck Surgery</i> , 2019, 160, 1048-1057.	1.9	18
49	Immunohistochemical and genetic analysis of respiratory epithelial adenomatoid hamartomas and seromucinous hamartomas: are they precursor lesions to sinonasal low-grade tubulopapillary adenocarcinomas?. <i>Human Pathology</i> , 2020, 97, 94-102.	2.0	18
50	Emerging histopathologic markers in early-stage oral tongue cancer: A systematic review and meta-analysis. <i>Head and Neck</i> , 2022, 44, 1481-1491.	2.0	18
51	Stromal categorization in early oral tongue cancer. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2021, 478, 925-932.	2.8	17
52	MicroRNA and protein profiles in invasive versus non-invasive oral tongue squamous cell carcinoma cells in vitro. <i>Experimental Cell Research</i> , 2017, 350, 9-18.	2.6	16
53	MiRâ€455â€3p, miRâ€150 and miRâ€375 are aberrantly expressed in salivary gland adenoid cystic carcinoma and polymorphous adenocarcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2019, 48, 840-845.	2.7	16
54	Early stage minor salivary gland adenoid cystic carcinoma has favourable prognosis. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2017, 471, 785-792.	2.8	15

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55	Expression of toll-like receptors in non-endemic nasopharyngeal carcinoma. <i>BMC Cancer</i> , 2019, 19, 624.	2.6	15
56	Low Expression of Nuclear Toll-like Receptor 4 in Laryngeal Papillomas Transforming into Squamous Cell Carcinoma. <i>Otolaryngology - Head and Neck Surgery</i> , 2014, 151, 785-790.	1.9	14
57	Histological characteristics of early-stage oral tongue cancer in young versus older patients: A multicenter matched-pair analysis. <i>Oral Diseases</i> , 2020, 26, 1081-1085.	3.0	14
58	Changes in the distribution of integrins and their basement membrane ligands during development of human thyroid follicular epithelium. <i>The Histochemical Journal</i> , 1997, 29, 337-345.	0.6	14
59	Tumor-Infiltrating Lymphocytes in Head and Neck Cancer: Ready for Prime Time?. <i>Cancers</i> , 2022, 14, 1558.	3.7	13
60	Association of BMI-1 and p16 as prognostic factors for head and neck carcinomas. <i>Acta Oto-Laryngologica</i> , 2016, 136, 501-505.	0.9	12
61	High tumor mutation burden predicts favorable outcome among patients with aggressive histological subtypes of lung adenocarcinoma: A population-based single-institution study. <i>Neoplasia</i> , 2020, 22, 333-342.	5.3	12
62	Recovery of skeletal muscle after immobilization of rabbit hindlimb. <i>Apmis</i> , 1996, 104, 797-804.	2.0	10
63	Improving Risk Stratification of Early Oral Tongue Cancer with TNM-Immune (TNM-I) Staging System. <i>Cancers</i> , 2021, 13, 3235.	3.7	9
64	Biopsy quality is essential for preoperative prognostication in oral tongue cancer. <i>Apmis</i> , 2021, 129, 118-127.	2.0	9
65	Epithelioid Soft Tissue Neoplasm of the Soft Palate with a PTCH1-GLI1 Fusion: A Case Report and Review of the Literature. <i>Head and Neck Pathology</i> , 2022, 16, 621-630.	2.6	9
66	Occurrence of Sinonasal Intestinal-Type Adenocarcinoma and Non-Intestinal-Type Adenocarcinoma in Two Countries with Different Patterns of Wood Dust Exposure. <i>Cancers</i> , 2021, 13, 5245.	3.7	8
67	Measuring the Usability and Quality of Explanations of a Machine Learning Web-Based Tool for Oral Tongue Cancer Prognostication. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8366.	2.6	8
68	Expression of Transcription Factor <i>CREM</i> in Human Tissues. <i>Journal of Histochemistry and Cytochemistry</i> , 2021, 69, 495-509.	2.5	7
69	Fusion-positive salivary gland carcinomas. <i>Genes Chromosomes and Cancer</i> , 2022, 61, 228-243.	2.8	7
70	Cisplatin overcomes radiotherapy resistance in OCT4-expressing head and neck squamous cell carcinoma. <i>Oral Oncology</i> , 2022, 127, 105772.	1.5	7
71	Potential role for inhibition of protein phosphatase 2A tumor suppressor in salivary gland malignancies. <i>Genes Chromosomes and Cancer</i> , 2016, 55, 69-81.	2.8	6
72	miR-22 and miR-205 Drive Tumor Aggressiveness of Mucoepidermoid Carcinomas of Salivary Glands. <i>Frontiers in Oncology</i> , 2021, 11, 786150.	2.8	6

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73	Machine learning in head and neck cancer: Importance of a web-based prognostic tool for improved decision making. <i>Oral Oncology</i> , 2022, 124, 105452.	1.5	5
74	Development of head and neck pathology in Europe. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2022, 480, 951-965.	2.8	5
75	Hemidesmosomal molecular changes in dermatitis herpetiformis; decreased expression of BP230 and plectin/HD1 in uninvolved skin. <i>The Histochemical Journal</i> , 1999, 31, 109-116.	0.6	4
76	Familial Predisposition for Salivary Gland Cancer in Finland. <i>Clinical Medicine Insights Ear, Nose and Throat</i> , 2014, 7, CMENT.S13770.	1.5	4
77	Reply to "Comment on "Prognostic biomarkers for oral tongue squamous cell carcinoma: a systematic review and meta-analysis". <i>British Journal of Cancer</i> , 2018, 118, e12-e12.	6.4	4
78	Does securin expression have significance in prognostication of oral tongue cancer? A pilot study. <i>European Archives of Oto-Rhino-Laryngology</i> , 2016, 273, 3905-3911.	1.6	3
79	Back to basics: Hematoxylin and eosin staining is the principal tool for histopathological risk assessment of oral cancer. <i>Oral Oncology</i> , 2021, 115, 105134.	1.5	3
80	A systematic review of predictive models for recurrence and mortality in patients with tongue cancer. <i>European Journal of Cancer Care</i> , 2020, 29, e13211.	1.5	0
81	Cellular dissociation: a missing item in the pathology report and histologic grading of oral tongue cancer?. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2022, , 1.	2.8	0