

# Nicholas Willumsen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4888752/publications.pdf>

Version: 2024-02-01

47  
papers

1,452  
citations

361388

20  
h-index

377849

34  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1752  
citing authors

#	ARTICLE	IF	CITATIONS
1	Collagens and Cancer associated fibroblasts in the reactive stroma and its relation to Cancer biology. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 115.	8.6	322
2	Serum biomarkers reflecting specific tumor tissue remodeling processes are valuable diagnostic tools for lung cancer. <i>Cancer Medicine</i> , 2014, 3, 1136-1145.	2.8	64
3	Age-related collagen turnover of the interstitial matrix and basement membrane: Implications of age- and sex-dependent remodeling of the extracellular matrix. <i>PLoS ONE</i> , 2018, 13, e0194458.	2.5	55
4	Non-invasive biomarkers derived from the extracellular matrix associate with response to immune checkpoint blockade (anti-CTLA-4) in metastatic melanoma patients. , 2018, 6, 152.		53
5	Facilitated antigen presentation and its inhibition by blocking IgG antibodies depends on IgE repertoire complexity. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 127, 1029-1037.	2.9	52
6	Extracellular matrix specific protein fingerprints measured in serum can separate pancreatic cancer patients from healthy controls. <i>BMC Cancer</i> , 2013, 13, 554.	2.6	51
7	High turnover of extracellular matrix reflected by specific protein fragments measured in serum is associated with poor outcomes in two metastatic breast cancer cohorts. <i>International Journal of Cancer</i> , 2018, 143, 3027-3034.	5.1	41
8	Collagen fragments quantified in serum as measures of desmoplasia associate with survival outcome in patients with advanced pancreatic cancer. <i>Scientific Reports</i> , 2019, 9, 19761.	3.3	41
9	Serological Assessment of Activated Fibroblasts by alpha-Smooth Muscle Actin ( $\alpha$ -SMA): A Noninvasive Biomarker of Activated Fibroblasts in Lung Disorders. <i>Translational Oncology</i> , 2019, 12, 368-374.	3.7	41
10	Clinical value of serum hyaluronan and propeptide of type III collagen in patients with pancreatic cancer. <i>International Journal of Cancer</i> , 2020, 146, 2913-2922.	5.1	41
11	Serological assessment of neutrophil elastase activity on elastin during lung ECM remodeling. <i>BMC Pulmonary Medicine</i> , 2015, 15, 53.	2.0	40
12	Type VIII collagen is elevated in diseases associated with angiogenesis and vascular remodeling. <i>Clinical Biochemistry</i> , 2016, 49, 903-908.	1.9	40
13	Quantification of altered tissue turnover in a liquid biopsy: a proposed precision medicine tool to assess chronic inflammation and desmoplasia associated with a pro-cancerous niche and response to immuno-therapeutic anti-tumor modalities. <i>Cancer Immunology, Immunotherapy</i> , 2018, 67, 1-12.	4.2	40
14	Cancer immunotherapy by NC410, a LAIR-2 Fc protein blocking human LAIR-collagen interaction. <i>ELife</i> , 2021, 10, .	6.0	40
15	Granzyme B Degraded Type IV Collagen Products in Serum Identify Melanoma Patients Responding to Immune Checkpoint Blockade. <i>Cancers</i> , 2020, 12, 2786.	3.7	32
16	Nidogen-1 Degraded by Cathepsin S can be Quantified in Serum and is Associated with Non-“Small Cell Lung Cancer. <i>Neoplasia</i> , 2017, 19, 271-278.	5.3	30
17	Tetrathiomolybdate (TM)-associated copper depletion influences collagen remodeling and immune response in the pre-metastatic niche of breast cancer. <i>Npj Breast Cancer</i> , 2021, 7, 108.	5.2	30
18	Matrix Metalloprotease Generated Fragments of Type VI Collagen Have Serum Biomarker Potential in Cancer – A Proof of Concept Study. <i>Translational Oncology</i> , 2019, 12, 693-698.	3.7	29

#	ARTICLE	IF	CITATIONS
19	Blood-based extracellular matrix biomarkers are correlated with clinical outcome after PD-1 inhibition in patients with metastatic melanoma. , 2020, 8, e001193.		28
20	Tumstatin, a Matrikine Derived from Collagen Type IV $\pm$ 3, is Elevated in Serum from Patients with Non-Small Cell Lung Cancer. Translational Oncology, 2018, 11, 528-534.	3.7	27
21	Antibody repertoire complexity and effector cell biology determined by assays for IgE-mediated basophil and T-cell activation. Journal of Immunological Methods, 2012, 383, 4-20.	1.4	23
22	The complexity of allergic patients' IgE repertoire correlates with serum concentration of allergen-specific IgE. Clinical and Experimental Allergy, 2012, 42, 1227-1236.	2.9	22
23	Vastatin (the NC1 domain of human type VIII collagen $\alpha$ 1 chain) is linked to stromal reactivity and elevated in serum from patients with colorectal cancer. Cancer Biology and Therapy, 2019, 20, 692-699.	3.4	22
24	Noninvasive prognostic biomarker potential of quantifying the propeptides of Type XI collagen $\alpha$ 1 chain (PRO $\alpha$ 11) in patients with pancreatic ductal adenocarcinoma. International Journal of Cancer, 2021, 149, 228-238.	5.1	21
25	Serological assessment of collagen fragments and tumor fibrosis may guide immune checkpoint inhibitor therapy. Journal of Experimental and Clinical Cancer Research, 2021, 40, 326.	8.6	19
26	Serum type XVI collagen is associated with colorectal cancer and ulcerative colitis indicating a pathological role in gastrointestinal disorders. Cancer Medicine, 2018, 7, 4619-4626.	2.8	18
27	Cross-Linked Multimeric Pro-Peptides of Type III Collagen (PC3X) in Hepatocellular Carcinoma - A Biomarker That Provides Additional Prognostic Value in AFP Positive Patients, Journal of Hepatocellular Carcinoma, 2020, Volume 7, 301-313.	3.7	17
28	Uncovering mediators of collagen degradation in the tumor microenvironment. Matrix Biology Plus, 2022, 13, 100101.	3.5	17
29	Collagen Biomarkers Quantify Fibroblast Activity In Vitro and Predict Survival in Patients with Pancreatic Ductal Adenocarcinoma. Cancers, 2022, 14, 819.	3.7	17
30	Prognostic value of blood-based fibrosis biomarkers in patients with metastatic colorectal cancer receiving chemotherapy and bevacizumab. Scientific Reports, 2021, 11, 865.	3.3	16
31	Non-invasive profiling of protease-specific elastin turnover in lung cancer: biomarker potential. Journal of Cancer Research and Clinical Oncology, 2019, 145, 383-392.	2.5	15
32	Post-translational modifications of vimentin reflect different pathological processes associated with non-small cell lung cancer and chronic obstructive pulmonary disease. Oncotarget, 2019, 10, 6829-6841.	1.8	15
33	Remodeling of the Tumor Microenvironment Predicts Increased Risk of Cancer in Postmenopausal Women: The Prospective Epidemiologic Risk Factor (PERF I) Study. Cancer Epidemiology Biomarkers and Prevention, 2016, 25, 1348-1355.	2.5	13
34	Serum Type XIX Collagen is Significantly Elevated in Non-Small Cell Lung Cancer: A Preliminary Study on Biomarker Potential. Cancers, 2020, 12, 1510.	3.7	13
35	Blood-based extracellular matrix biomarkers as predictors of survival in patients with metastatic pancreatic ductal adenocarcinoma receiving pegvorhyaluronidase alfa. Journal of Translational Medicine, 2021, 19, 39.	4.4	13
36	Bone and Soft Tissue Turnover in Relation to All-cause Mortality in Postmenopausal Women. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 1098-1104.	3.6	12

#	ARTICLE	IF	CITATIONS
37	Fibrotic activity quantified in serum by measurements of type III collagen pro-peptides can be used for prognosis across different solid tumor types. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 204.	5.4	12
38	Type XX Collagen Is Elevated in Circulation of Patients with Solid Tumors. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4144.	4.1	11
39	Excessive matrix metalloprotease-mediated degradation of interstitial tissue (type I collagen) independently predicts short-term survival in an observational study of postmenopausal women diagnosed with cancer. <i>Oncotarget</i> , 2017, 8, 52501-52510.	1.8	10
40	Multinutrient Supplementation Increases Collagen Synthesis during Early Wound Repair in a Randomized Controlled Trial in Patients with Inguinal Hernia. <i>Journal of Nutrition</i> , 2020, 150, 792-799.	2.9	8
41	Extracellular matrix (ECM) circulating peptide biomarkers as potential predictors of survival in patients (pts) with untreated metastatic pancreatic ductal adenocarcinoma (mPDA) receiving pegvorhialuronidase alfa (PEGPH20), nab-paclitaxel (A), and gemcitabine (G).. <i>Journal of Clinical Oncology</i> , 2018, 36, 12030-12030.	1.6	8
42	Bringing cancer serological diagnosis to a new level: focusing on HER2, protein ectodomain shedding and neopeptide technology. <i>Future Oncology</i> , 2013, 9, 35-44.	2.4	7
43	Clinical Relevance of Collagen Protein Degradation Markers C3M and C4M in the Serum of Breast Cancer Patients Treated with Neoadjuvant Therapy in the GeparQuinto Trial. <i>Cancers</i> , 2019, 11, 1186.	3.7	7
44	Evaluation of a novel biomarker of type XXVIII collagen formation, PRO-C28, in samples from cancer and heart failure with preserved ejection fraction patients. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 204, 114272.	2.8	6
45	Prognostic evaluation of a new class of liquid biopsy biomarkers in patients with metastatic colorectal cancer: Using the tumor microenvironment as a source of protein biomarkers.. <i>Journal of Clinical Oncology</i> , 2018, 36, 3588-3588.	1.6	6
46	Unique insight into microenvironmental changes in colorectal cancer: Ex vivo assessment of matrix metalloprotease-mediated molecular changes in human colorectal tumor tissue and corresponding non-neoplastic adjacent tissue. <i>Oncology Letters</i> , 2017, 13, 3774-3780.	1.8	6
47	Serum collagen fragments and outcomes in hormone receptor-positive metastatic breast cancer.. <i>Journal of Clinical Oncology</i> , 2016, 34, 539-539.	1.6	1