

Manuel Salto-Tellez

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

108 papers	4,042 citations	28 h-index	62 g-index
127 ext. papers	6,065 ext. citations	6.9 avg, IF	5.41 L-index

#	Paper	IF	Citations
108	Swarm learning for decentralized artificial intelligence in cancer histopathology.. <i>Nature Medicine</i> , 2022 ,	50.5	3
107	General Roadmap and Core Steps for the Development of AI Tools in Digital Pathology. <i>Diagnostics</i> , 2022 , 12, 1272	3.8	
106	Digital pathology and artificial intelligence will be key to supporting clinical and academic cellular pathology through COVID-19 and future crises: the PathLAKE consortium perspective. <i>Journal of Clinical Pathology</i> , 2021 , 74, 443-447	3.9	28
105	Metastasis and Immune Evasion from Extracellular cGAMP Hydrolysis. <i>Cancer Discovery</i> , 2021 , 11, 1212-1227	12.7	29
104	Evolutionary genetic algorithm identifies as a potential predictive biomarker for immune-checkpoint therapy in colorectal cancer. <i>NAR Genomics and Bioinformatics</i> , 2021 , 3, lqab016	3.7	3
103	Severity of gastric intestinal metaplasia predicts the risk of gastric cancer: a prospective multicentre cohort study (GCEP). <i>Gut</i> , 2021 ,	19.2	9
102	Colonic epithelial cathelicidin (LL-37) expression intensity is associated with progression of colorectal cancer and presence of CD8 T cell infiltrate. <i>Journal of Pathology: Clinical Research</i> , 2021 , 7, 495-506	5.3	2
101	The clinical and molecular significance associated with STING signaling in breast cancer. <i>Npj Breast Cancer</i> , 2021 , 7, 81	7.8	3
100	Identifying mismatch repair-deficient colon cancer: near-perfect concordance between immunohistochemistry and microsatellite instability testing in a large, population-based series. <i>Histopathology</i> , 2021 , 78, 401-413	7.3	14
99	Diagnosis of digestive system tumours. <i>International Journal of Cancer</i> , 2021 , 148, 1040-1050	7.5	10
98	In-depth Clinical and Biological Exploration of DNA Damage Immune Response as a Biomarker for Oxaliplatin Use in Colorectal Cancer. <i>Clinical Cancer Research</i> , 2021 , 27, 288-300	12.9	1
97	QuPath: The global impact of an open source digital pathology system. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 852-859	6.8	8
96	A Means of Assessing Deep Learning-Based Detection of ICOS Protein Expression in Colon Cancer. <i>Cancers</i> , 2021 , 13,	6.6	7
95	Orthogonal MET analysis in a population-representative stage II-III colon cancer cohort: prognostic and potential therapeutic implications. <i>Molecular Oncology</i> , 2021 , 15, 3317-3328	7.9	2
94	HistoClean: Open-source software for histological image pre-processing and augmentation to improve development of robust convolutional neural networks. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 4840-4853	6.8	1
93	Improving the Diagnostic Accuracy of the PD-L1 Test with Image Analysis and Multiplex Hybridization. <i>Cancers</i> , 2020 , 12,	6.6	20
92	The adaptive immune and immune checkpoint landscape of neoadjuvant treated esophageal adenocarcinoma using digital pathology quantitation. <i>BMC Cancer</i> , 2020 , 20, 500	4.8	12

91	Low-contact and high-interconnectivity pathology (LC&HI Path): post-COVID19-pandemic practice of pathology. <i>Histopathology</i> , 2020 , 77, 518-524	7.3	5
90	Gastrointestinal tissue-based molecular biomarkers: a practical categorisation based on the 2019 World Health Organization classification of epithelial digestive tumours. <i>Histopathology</i> , 2020 , 77, 340-350	7.3	13
89	PD-L1 Multiplex and Quantitative Image Analysis for Molecular Diagnostics. <i>Cancers</i> , 2020 , 13,	6.6	3
88	Comparison of Molecular Assays for HPV Testing in Oropharyngeal Squamous Cell Carcinomas: A Population-Based Study in Northern Ireland. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020 , 29, 31-38	4	9
87	Systematic evaluation of PAXgene [®] tissue fixation for the histopathological and molecular study of lung cancer. <i>Journal of Pathology: Clinical Research</i> , 2020 , 6, 40-54	5.3	3
86	Alcohol intake, tobacco smoking, and esophageal adenocarcinoma survival: a molecular pathology epidemiology cohort study. <i>Cancer Causes and Control</i> , 2020 , 31, 1-11	2.8	4
85	Immune status is prognostic for poor survival in colorectal cancer patients and is associated with tumour hypoxia. <i>British Journal of Cancer</i> , 2020 , 123, 1280-1288	8.7	22
84	A robust multiplex immunofluorescence and digital pathology workflow for the characterisation of the tumour immune microenvironment. <i>Molecular Oncology</i> , 2020 , 14, 2384-2402	7.9	26
83	Defining the molecular evolution of extrauterine high grade serous carcinoma. <i>Gynecologic Oncology</i> , 2019 , 155, 305-317	4.9	8
82	Training and accreditation standards for pathologists undertaking clinical trial work. <i>Journal of Pathology: Clinical Research</i> , 2019 , 5, 100-107	5.3	6
81	Recommendations for determining HPV status in patients with oropharyngeal cancers under TNM8 guidelines: a two-tier approach. <i>British Journal of Cancer</i> , 2019 , 120, 827-833	8.7	29
80	Immune activation by DNA damage predicts response to chemotherapy and survival in oesophageal adenocarcinoma. <i>Gut</i> , 2019 , 68, 1918-1927	19.2	13
79	Invited review-next-generation sequencing: a modern tool in cytopathology. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2019 , 475, 3-11	5.1	18
78	NUQA: Estimating Cancer Spatial and Temporal Heterogeneity and Evolution through Alignment-Free Methods. <i>Molecular Biology and Evolution</i> , 2019 , 36, 2883-2889	8.3	1
77	A digital pathology demonstration of an "immune hot" ICOS+/CD45RO+ immunephenotype and the impact on survival in patients with esophageal adenocarcinoma.. <i>Journal of Clinical Oncology</i> , 2019 , 37, 4062-4062	2.2	
76	High PTGS2 expression in post-neoadjuvant chemotherapy-treated oesophageal adenocarcinoma is associated with improved survival: a population-based cohort study. <i>Histopathology</i> , 2019 , 74, 587-596	7.3	0
75	Critical Appraisal of Programmed Death Ligand 1 Reflex Diagnostic Testing: Current Standards and Future Opportunities. <i>Journal of Thoracic Oncology</i> , 2019 , 14, 45-53	8.9	27
74	Artificial intelligence-the third revolution in pathology. <i>Histopathology</i> , 2019 , 74, 372-376	7.3	61

73	Practical guide for the comparison of two next-generation sequencing systems for solid tumour analysis in a universal healthcare system. <i>Journal of Clinical Pathology</i> , 2019 , 72, 225-231	3.9	3
72	Validation of the systematic scoring of immunohistochemically stained tumour tissue microarrays using QuPath digital image analysis. <i>Histopathology</i> , 2018 , 73, 327-338	7.3	27
71	HER2 testing of gastro-oesophageal adenocarcinoma: a commentary and guidance document from the Association of Clinical Pathologists Molecular Pathology and Diagnostics Committee. <i>Journal of Clinical Pathology</i> , 2018 , 71, 388-394	3.9	11
70	Integrated tumor identification and automated scoring minimizes pathologist involvement and provides new insights to key biomarkers in breast cancer. <i>Laboratory Investigation</i> , 2018 , 98, 15-26	5.9	47
69	More Than a Decade of Molecular Diagnostic Cytopathology Leading Diagnostic and Therapeutic Decision-Making. <i>Archives of Pathology and Laboratory Medicine</i> , 2018 , 142, 443-445	5	11
68	A gene signature associated with PTEN activation defines good prognosis intermediate risk prostate cancer cases. <i>Journal of Pathology: Clinical Research</i> , 2018 , 4, 103-113	5.3	7
67	Glucose transporter 1 expression as a marker of prognosis in oesophageal adenocarcinoma. <i>Oncotarget</i> , 2018 , 9, 18518-18528	3.3	12
66	Vitamin D receptor as a marker of prognosis in oesophageal adenocarcinoma: a prospective cohort study. <i>Oncotarget</i> , 2018 , 9, 34347-34356	3.3	2
65	Sex hormone receptor expression and survival in esophageal adenocarcinoma: a prospective cohort study. <i>Oncotarget</i> , 2018 , 9, 35300-35312	3.3	4
64	Time for change: a new training programme for morpho-molecular pathologists?. <i>Journal of Clinical Pathology</i> , 2018 , 71, 285-290	3.9	16
63	Automated Tumour Recognition and Digital Pathology Scoring Unravels New Role for PD-L1 in Predicting Good Outcome in ER-/HER2+ Breast Cancer. <i>Journal of Oncology</i> , 2018 , 2018, 2937012	4.5	25
62	Impact of Variable RNA-Sequencing Depth on Gene Expression Signatures and Target Compound Robustness: Case Study Examining Brain Tumor (Glioma) Disease Progression. <i>JCO Precision Oncology</i> , 2018 , 2,	3.6	3
61	Tissue-based next generation sequencing: application in a universal healthcare system. <i>British Journal of Cancer</i> , 2017 , 116, 553-560	8.7	31
60	BCL-2 system analysis identifies high-risk colorectal cancer patients. <i>Gut</i> , 2017 , 66, 2141-2148	19.2	27
59	Evaluation of PTGS2 Expression, PIK3CA Mutation, Aspirin Use and Colon Cancer Survival in a Population-Based Cohort Study. <i>Clinical and Translational Gastroenterology</i> , 2017 , 8, e91	4.2	42
58	Natural killer-like signature observed post therapy in locally advanced rectal cancer is a determinant of pathological response and improved survival. <i>Modern Pathology</i> , 2017 , 30, 1287-1298	9.8	14
57	Statin use, candidate mevalonate pathway biomarkers, and colon cancer survival in a population-based cohort study. <i>British Journal of Cancer</i> , 2017 , 116, 1652-1659	8.7	26
56	Molecular profiling of signet ring cell colorectal cancer provides a strong rationale for genomic targeted and immune checkpoint inhibitor therapies. <i>British Journal of Cancer</i> , 2017 , 117, 203-209	8.7	27

55	Standardising RNA profiling based biomarker application in cancer-The need for robust control of technical variables. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017 , 1868, 258-272	11.2	12
54	Targeting c-MET in gastrointestinal tumours: rationale, opportunities and challenges. <i>Nature Reviews Clinical Oncology</i> , 2017 , 14, 562-576	19.4	102
53	QuPath: Open source software for digital pathology image analysis. <i>Scientific Reports</i> , 2017 , 7, 16878	4.9	1369
52	Activation of STING-Dependent Innate Immune Signaling By S-Phase-Specific DNA Damage in Breast Cancer. <i>Journal of the National Cancer Institute</i> , 2017 , 109,	9.7	211
51	A Stepwise Integrated Approach to Personalized Risk Predictions in Stage III Colorectal Cancer. <i>Clinical Cancer Research</i> , 2017 , 23, 1200-1212	12.9	14
50	RNAscope hybridization confirms mRNA integrity in formalin-fixed, paraffin-embedded cancer tissue samples. <i>Oncotarget</i> , 2017 , 8, 93392-93403	3.3	24
49	PD-L1 expression and response to neo-adjuvant chemotherapy in esophageal adenocarcinoma.. <i>Journal of Clinical Oncology</i> , 2017 , 35, 4023-4023	2.2	
48	EphA2 Expression Is a Key Driver of Migration and Invasion and a Poor Prognostic Marker in Colorectal Cancer. <i>Clinical Cancer Research</i> , 2016 , 22, 230-242	12.9	73
47	PTEN mRNA detection by chromogenic, RNA in situ technologies: a reliable alternative to PTEN immunohistochemistry. <i>Human Pathology</i> , 2016 , 47, 95-103	3.7	13
46	EORTC-1203: Integration of trastuzumab (T), with or without pertuzumab (P), into perioperative chemotherapy (CT) of HER-2 positive stomach cancerINNOVATION trial.. <i>Journal of Clinical Oncology</i> , 2016 , 34, TPS4133-TPS4133	2.2	2
45	GLOBAL BALLAD: An International Rare Cancers Initiative trial to evaluate the potential benefit of adjuvant chemotherapy for small bowel adenocarcinoma (IRCI 002).. <i>Journal of Clinical Oncology</i> , 2016 , 34, TPS4154-TPS4154	2.2	6
44	PTEN deficiency promotes macrophage infiltration and hypersensitivity of prostate cancer to IAP antagonist/radiation combination therapy. <i>Oncotarget</i> , 2016 , 7, 7885-98	3.3	25
43	Gelsolin-mediated activation of PI3K/Akt pathway is crucial for hepatocyte growth factor-induced cell scattering in gastric carcinoma. <i>Oncotarget</i> , 2016 , 7, 25391-407	3.3	8
42	Stratified analysis reveals chemokine-like factor (CKLF) as a potential prognostic marker in the MSI-immune consensus molecular subtype CMS1 of colorectal cancer. <i>Oncotarget</i> , 2016 , 7, 36632-36644	3.3	10
41	Caspase modelling to predict personalised risk in stage III colorectal cancer (CRC) patients.. <i>Journal of Clinical Oncology</i> , 2016 , 34, 11592-11592	2.2	
40	A systems model of BCL-2 dependent apoptosis to predict stage II CRC patients benefiting from adjuvant chemotherapy and as a prognostic tool for stage III CRC patients with increased risk of recurrence.. <i>Journal of Clinical Oncology</i> , 2016 , 34, 3584-3584	2.2	
39	samExploreR: exploring reproducibility and robustness of RNA-seq results based on SAM files. <i>Bioinformatics</i> , 2016 , 32, 3345-3347	7.2	7
38	p16 as a prognostic indicator in ovarian/tubal high-grade serous carcinoma. <i>Histopathology</i> , 2016 , 68, 615-8	7.3	7

37	Validation of immunocytochemistry as a morphomolecular technique. <i>Cancer Cytopathology</i> , 2016 , 124, 540-5	3.9	14
36	Quantification of HER2 heterogeneity in breast cancer-implications for identification of sub-dominant clones for personalised treatment. <i>Scientific Reports</i> , 2016 , 6, 23383	4.9	26
35	Immune-Derived PD-L1 Gene Expression Defines a Subgroup of Stage II/III Colorectal Cancer Patients with Favorable Prognosis Who May Be Harmed by Adjuvant Chemotherapy. <i>Cancer Immunology Research</i> , 2016 , 4, 582-91	12.5	31
34	Challenging the Cancer Molecular Stratification Dogma: Intratumoral Heterogeneity Undermines Consensus Molecular Subtypes and Potential Diagnostic Value in Colorectal Cancer. <i>Clinical Cancer Research</i> , 2016 , 22, 4095-104	12.9	88
33	Building a Repository of Science The importance of Integrating biobanks within molecular pathology programmes. <i>European Journal of Cancer</i> , 2016 , 67, 191-199	7.5	26
32	Delivering a research-enabled multistakeholder partnership for enhanced patient care at a population level: The Northern Ireland Comprehensive Cancer Program. <i>Cancer</i> , 2016 , 122, 664-73	6.4	3
31	PICan: An integromics framework for dynamic cancer biomarker discovery. <i>Molecular Oncology</i> , 2015 , 9, 1234-40	7.9	13
30	Immunohistochemistry should undergo robust validation equivalent to that of molecular diagnostics. <i>Journal of Clinical Pathology</i> , 2015 , 68, 766-70	3.9	28
29	Analysis of wntless (WLS) expression in gastric, ovarian, and breast cancers reveals a strong association with HER2 overexpression. <i>Modern Pathology</i> , 2015 , 28, 428-36	9.8	25
28	Epidermal growth factor receptor immunohistochemistry: new opportunities in metastatic colorectal cancer. <i>Journal of Translational Medicine</i> , 2015 , 13, 217	8.5	30
27	Automated tumor analysis for molecular profiling in lung cancer. <i>Oncotarget</i> , 2015 , 6, 27938-52	3.3	30
26	Re: test of four colon cancer risk-scores in formalin fixed paraffin embedded microarray gene expression data. <i>Journal of the National Cancer Institute</i> , 2015 , 107,	9.7	
25	Integrated molecular pathology: the Belfast model. <i>Drug Discovery Today</i> , 2015 , 20, 1451-4	8.8	5
24	MErCuRIC1: A Phase I study of MEK1/2 inhibitor PD-0325901 with cMET inhibitor crizotinib in RASMT and RASWT (with aberrant c-MET) metastatic colorectal cancer (mCRC) patients.. <i>Journal of Clinical Oncology</i> , 2015 , 33, TPS3632-TPS3632	2.2	3
23	The prognostic value of the stem-like group in colorectal cancer using a panel of immunohistochemistry markers. <i>Oncotarget</i> , 2015 , 6, 12763-73	3.3	14
22	Comprehensive molecular pathology analysis of small bowel adenocarcinoma reveals novel targets with potential for clinical utility. <i>Oncotarget</i> , 2015 , 6, 20863-74	3.3	31
21	Molecular classification of non-invasive breast lesions for personalised therapy and chemoprevention. <i>Oncotarget</i> , 2015 , 6, 43244-54	3.3	6
20	Molecular classification of the invasive front in colorectal cancer.. <i>Journal of Clinical Oncology</i> , 2015 , 33, 3573-3573	2.2	

19	The prognostic significance of the aberrant extremes of p53 immunophenotypes in breast cancer. <i>Histopathology</i> , 2014 , 65, 340-52	7.3	54
18	Next-generation sequencing: a change of paradigm in molecular diagnostic validation. <i>Journal of Pathology</i> , 2014 , 234, 5-10	9.4	58
17	AXL is a key regulator of inherent and chemotherapy-induced invasion and predicts a poor clinical outcome in early-stage colon cancer. <i>Clinical Cancer Research</i> , 2014 , 20, 164-75	12.9	83
16	BRCA1 deficiency exacerbates estrogen-induced DNA damage and genomic instability. <i>Cancer Research</i> , 2014 , 74, 2773-2784	10.1	69
15	Digital pathology and image analysis in tissue biomarker research. <i>Methods</i> , 2014 , 70, 59-73	4.6	120
14	Molecular pathology - the value of an integrative approach. <i>Molecular Oncology</i> , 2014 , 8, 1163-8	7.9	27
13	Identification of a BRCA1-mRNA splicing complex required for efficient DNA repair and maintenance of genomic stability. <i>Molecular Cell</i> , 2014 , 54, 445-59	17.6	116
12	Sphingosine kinase 1 promotes malignant progression in colon cancer and independently predicts survival of patients with colon cancer by competing risk approach in South asian population. <i>Clinical and Translational Gastroenterology</i> , 2014 , 5, e51	4.2	29
11	Identification and validation of an anthracycline/cyclophosphamide-based chemotherapy response assay in breast cancer. <i>Journal of the National Cancer Institute</i> , 2014 , 106, djt335	9.7	73
10	Association of a DNA damage response deficiency (DDR1) assay and prognosis in early-stage esophageal adenocarcinoma.. <i>Journal of Clinical Oncology</i> , 2014 , 32, 4015-4015	2.2	3
9	The prognostic and therapeutic value of EpHA2 in early colorectal cancer (CRC).. <i>Journal of Clinical Oncology</i> , 2014 , 32, 3581-3581	2.2	
8	Guidelines and considerations for conducting experiments using tissue microarrays. <i>Histopathology</i> , 2013 , 62, 827-39	7.3	50
7	Immunohistochemistry in the era of personalised medicine. <i>Journal of Clinical Pathology</i> , 2013 , 66, 58-61	3.9	30
6	MicroRNA-34c inversely couples the biological functions of the runt-related transcription factor RUNX2 and the tumor suppressor p53 in osteosarcoma. <i>Journal of Biological Chemistry</i> , 2013 , 288, 21307-21319	5.4	82
5	Identification and validation of an assay predictive of response and prognosis following anthracycline-based chemotherapy for early breast cancer.. <i>Journal of Clinical Oncology</i> , 2013 , 31, TPS11120-TPS11120	11.2	1120
4	Molecular pathology in contemporary diagnostic pathology laboratory: an opinion for the active role of surgical pathologists. <i>American Journal of Surgical Pathology</i> , 2010 , 34, 115-7	6.7	12
3	Elucidating the molecular physiopathology of acute respiratory distress syndrome in severe acute respiratory syndrome patients. <i>Virus Research</i> , 2009 , 145, 260-9	6.4	66
2	Reliability of tissue microarrays in detecting protein expression and gene amplification in breast cancer. <i>Modern Pathology</i> , 2003 , 16, 79-84	9.8	146

