

David Horst

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

3,912
citations

186265
28
h-index

138484
58
g-index

76
all docs

76
docs citations

76
times ranked

7157
citing authors

#	ARTICLE	IF	CITATIONS
1	Olfactory transmucosal SARS-CoV-2 invasion as a port of central nervous system entry in individuals with COVID-19. <i>Nature Neuroscience</i> , 2021, 24, 168-175.	14.8	991
2	SARS-CoV-2 infection triggers profibrotic macrophage responses and lung fibrosis. <i>Cell</i> , 2021, 184, 6243-6261.e27.	28.9	277
3	Causes of death and comorbidities in hospitalized patients with COVID-19. <i>Scientific Reports</i> , 2021, 11, 4263.	3.3	272
4	Myeloid Cell-Derived Reactive Oxygen Species Induce Epithelial Mutagenesis. <i>Cancer Cell</i> , 2017, 32, 869-883.e5.	16.8	232
5	Antagonistic Effects of p53 and HIF1A on microRNA-34a Regulation of PPP1R11 and STAT3 and Hypoxia-induced Epithelial to Mesenchymal Transition in Colorectal Cancer Cells. <i>Gastroenterology</i> , 2017, 153, 505-520.	1.3	127
6	Targeting non-coding RNAs to overcome cancer therapy resistance. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 121.	17.1	114
7	Differential WNT Activity in Colorectal Cancer Confers Limited Tumorigenic Potential and Is Regulated by MAPK Signaling. <i>Cancer Research</i> , 2012, 72, 1547-1556.	0.9	108
8	Measles virus and rinderpest virus divergence dated to the sixth century BCE. <i>Science</i> , 2020, 368, 1367-1370.	12.6	102
9	Mitophagy in Intestinal Epithelial Cells Triggers Adaptive Immunity during Tumorigenesis. <i>Cell</i> , 2018, 174, 88-101.e16.	28.9	93
10	Harmonization and Standardization of Panel-Based Tumor Mutational Burden Measurement: Real-World Results and Recommendations of the Quality in Pathology Study. <i>Journal of Thoracic Oncology</i> , 2020, 15, 1177-1189.	1.1	81
11	Pancreatic ductal adenocarcinoma progression is restrained by stromal matrix. <i>Journal of Clinical Investigation</i> , 2020, 130, 4704-4709.	8.2	80
12	Pan-cancer EMT-signature identifies RBM47 down-regulation during colorectal cancer progression. <i>Scientific Reports</i> , 2017, 7, 4687.	3.3	77
13	Single-cell RNA sequencing reveals distinct tumor microenvironmental patterns in lung adenocarcinoma. <i>Oncogene</i> , 2021, 40, 6748-6758.	5.9	70
14	Characterization of a p53/miR-34a/CSF1R/STAT3 Feedback Loop in Colorectal Cancer. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020, 10, 391-418.	4.5	64
15	Standardization of Reporting Criteria for Lung Pathology in SARS-CoV-2-infected Hamsters: What Matters?. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 856-859.	2.9	62
16	Oncogenic Effects of High MAPK Activity in Colorectal Cancer Mark Progenitor Cells and Persist Irrespective of RAS Mutations. <i>Cancer Research</i> , 2017, 77, 1763-1774.	0.9	58
17	Papillary vs clear cell renal cell carcinoma. Differentiation and grading by iodine concentration using DECT correlation with microvascular density. <i>European Radiology</i> , 2020, 30, 1-10.	4.5	57
18	Testing <i>NTRK</i> testing: Wet lab and in silico comparison of RNA-based targeted sequencing assays. <i>Genes Chromosomes and Cancer</i> , 2020, 59, 178-188.	2.8	52

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19	Mitogen-activated protein kinase activity drives cell trajectories in colorectal cancer. <i>EMBO Molecular Medicine</i> , 2021, 13, e14123.	6.9	47
20	Multicolor lineage tracing reveals clonal architecture and dynamics in colon cancer. <i>Nature Communications</i> , 2017, 8, 1406.	12.8	46
21	Progression of urothelial carcinoma in situ of the urinary bladder: a switch from luminal to basal phenotype and related therapeutic implications. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2018, 472, 749-758.	2.8	43
22	Requirement of the Epithelium-specific Ets Transcription Factor Spdef for Mucous Gland Cell Function in the Gastric Antrum. <i>Journal of Biological Chemistry</i> , 2010, 285, 35047-35055.	3.4	42
23	Combined Inactivation of TP53 and MIR34A Promotes Colorectal Cancer Development and Progression in Mice Via Increasing Levels of IL6R and PAI1. <i>Gastroenterology</i> , 2018, 155, 1868-1882.	1.3	39
24	DNA methylation profiling reliably distinguishes pulmonary enteric adenocarcinoma from metastatic colorectal cancer. <i>Modern Pathology</i> , 2019, 32, 855-865.	5.5	36
25	The efficacy of treatment options for patients with gastric cancer and peritoneal metastasis. <i>Gastric Cancer</i> , 2019, 22, 1226-1237.	5.3	36
26	First report from the German COVID-19 autopsy registry. <i>Lancet Regional Health - Europe</i> , The, 2022, 15, 100330.	5.6	33
27	Targeting tumor cell plasticity by combined inhibition of NOTCH and MAPK signaling in colon cancer. <i>Journal of Experimental Medicine</i> , 2018, 215, 1693-1708.	8.5	31
28	Ex vivo tissue slice culture system to measure drug-response rates of hepatic metastatic colorectal cancer. <i>BMC Cancer</i> , 2019, 19, 1030.	2.6	31
29	EGFR activity addiction facilitates anti-ERBB based combination treatment of squamous bladder cancer. <i>Oncogene</i> , 2020, 39, 6856-6870.	5.9	31
30	Prognostic value and association with epithelial-mesenchymal transition and molecular subtypes of the proteoglycan biglycan in advanced bladder cancer. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2019, 37, 530.e9-530.e18.	1.6	29
31	Evidence for a role of E-cadherin in suppressing liver carcinogenesis in mice and men. <i>Carcinogenesis</i> , 2014, 35, 1855-1862.	2.8	28
32	Organ manifestations of COVID-19: what have we learned so far (not only) from autopsies?. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2022, 481, 139-159.	2.8	28
33	<sc>NTRK</sc> testing: First results of the <sc>QuiPâ€€QA</sc> scheme and a comprehensive map of <sc><i>NTRK</i></sc> fusion variants and their diagnostic coverage by targeted <sc>RNA</sc>-based <sc>NGS</sc> assays. <i>Genes Chromosomes and Cancer</i> , 2020, 59, 445-453.	2.8	27
34	Combined miRNA and SERS urine liquid biopsy for the point-of-care diagnosis and molecular stratification of bladder cancer. <i>Molecular Medicine</i> , 2022, 28, 39.	4.4	26
35	Desmogleins as prognostic biomarkers in resected pancreatic ductal adenocarcinoma. <i>British Journal of Cancer</i> , 2015, 113, 1460-1466.	6.4	25
36	The majority of β -catenin mutations in colorectal cancer is homozygous. <i>BMC Cancer</i> , 2020, 20, 1038.	2.6	25

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37	Archival influenza virus genomes from Europe reveal genomic variability during the 1918 pandemic. <i>Nature Communications</i> , 2022, 13, 2314.	12.8	25
38	Next generation sequencing of lung adenocarcinoma subtypes with intestinal differentiation reveals distinct molecular signatures associated with histomorphology and therapeutic options. <i>Lung Cancer</i> , 2019, 138, 43-51.	2.0	24
39	Glycochenodeoxycholate Promotes Liver Fibrosis in Mice with Hepatocellular Cholestasis. <i>Cells</i> , 2020, 9, 281.	4.1	23
40	Colorectal Cancers Mimic Structural Organization of Normal Colonic Crypts. <i>PLoS ONE</i> , 2014, 9, e104284.	2.5	21
41	Transcriptional Regulator CNOT3 Defines an Aggressive Colorectal Cancer Subtype. <i>Cancer Research</i> , 2017, 77, 766-779.	0.9	21
42	Human lungs show limited permissiveness for SARS-CoV-2 due to scarce ACE2 levels but virus-induced expansion of inflammatory macrophages. <i>European Respiratory Journal</i> , 2022, 60, 2102725.	6.7	21
43	SFPQ Depletion Is Synthetically Lethal with BRAFV600E in Colorectal Cancer Cells. <i>Cell Reports</i> , 2020, 32, 108184.	6.4	19
44	Collapse induration of alveoli is an ultrastructural finding in a COVID-19 patient. <i>European Respiratory Journal</i> , 2021, 57, 2004165.	6.7	18
45	Age-dependent performance of <i>BRAF</i> mutation testing in Lynch syndrome diagnostics. <i>International Journal of Cancer</i> , 2020, 147, 2801-2810.	5.1	17
46	Malignant transformation and genetic alterations are uncoupled in early colorectal cancer progression. <i>BMC Biology</i> , 2020, 18, 116.	3.8	16
47	Therapeutic and prognostic implications of NOTCH and MAPK signaling in bladder cancer. <i>Cancer Science</i> , 2021, 112, 1987-1996.	3.9	16
48	Classification of Molecular Subtypes of High-Grade Serous Ovarian Cancer by MALDI-Imaging. <i>Cancers</i> , 2021, 13, 1512.	3.7	14
49	In vivo effects of chemotherapy on oncogenic pathways in colorectal cancer. <i>Cancer Science</i> , 2019, 110, 2529-2539.	3.9	13
50	Discovery of Prognostic Markers for Early-Stage High-Grade Serous Ovarian Cancer by Maldi-Imaging. <i>Cancers</i> , 2020, 12, 2000.	3.7	12
51	DNA methylation reveals distinct cells of origin for pancreatic neuroendocrine carcinomas and pancreatic neuroendocrine tumors. <i>Genome Medicine</i> , 2022, 14, 24.	8.2	12
52	Association of proton pump inhibitor use with survival outcomes in cancer patients treated with immune checkpoint inhibitors: a systematic review and meta-analysis. <i>Therapeutic Advances in Medical Oncology</i> , 2022, 14, 175883592211117.	3.2	12
53	B cell depletion and signs of sepsis-acquired immunodeficiency in bone marrow and spleen of COVID-19 deceased. <i>International Journal of Infectious Diseases</i> , 2021, 103, 628-635.	3.3	11
54	COVID-19: Autopsy findings in six patients between 26 and 46 years of age. <i>International Journal of Infectious Diseases</i> , 2021, 108, 274-281.	3.3	11

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55	Evidence for a thromboembolic pathogenesis of lung cavitations in severely ill COVID-19 patients. <i>Scientific Reports</i> , 2021, 11, 16039.	3.3	11
56	Recurrence of Hepatocellular Carcinoma After Liver Transplantation is Associated with Episodes of Acute Rejections. <i>Journal of Hepatocellular Carcinoma</i> , 2021, Volume 8, 133-143.	3.7	10
57	An in-depth analysis of the mitochondrial phylogenetic landscape of Cambodia. <i>Scientific Reports</i> , 2021, 11, 10816.	3.3	8
58	The single-cell transcriptional landscape of lung carcinoid tumors. <i>International Journal of Cancer</i> , 2022, 150, 2058-2071.	5.1	7
59	Maintenance therapy with 5-fluorouracil/leucovorin (5FU/LV) plus panitumumab (pmab) or 5FU/LV alone in RAS wildtype (WT) metastatic colorectal cancer (mCRC) - the PANAMA trial (AIO KRK 0212).. <i>Journal of Clinical Oncology</i> , 2021, 39, 3503-3503.	1.6	5
60	Donor-Specific Antibodies Against Donor Human Leukocyte Antigen are Associated with Graft Inflammation but Not with Fibrosis Long-Term After Liver Transplantation: An Analysis of Protocol Biopsies. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 2697-2712.	3.5	5
61	Status quo of ALK testing in lung cancer: results of an EQA scheme based on in-situ hybridization, immunohistochemistry, and RNA/DNA sequencing. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2021, 479, 247-255.	2.8	5
62	Urinary Calprotectin loses specificity as tumour marker due to sterile leukocyturia associated with bladder cancer. <i>PLoS ONE</i> , 2019, 14, e0213549.	2.5	4
63	Reduced replication origin licensing selectively kills KRAS-mutant colorectal cancer cells via mitotic catastrophe. <i>Cell Death and Disease</i> , 2020, 11, 499.	6.3	4
64	COVID-19: a fatal case of acute liver failure associated with SARS-CoV-2 infection in pre-existing liver cirrhosis. <i>BMC Infectious Diseases</i> , 2021, 21, 901.	2.9	3
65	Acute myeloid leukemia: negative prognostic impact of early blast persistence can be in part overcome by a later remission prior to post-induction therapy. <i>Haematologica</i> , 2022, 107, 1773-1785.	3.5	3
66	AURKA is a prognostic biomarker for good overall survival in stage II colorectal cancer patients. <i>Pathology Research and Practice</i> , 2022, 235, 153936.	2.3	3
67	Negative hyperselection for mutations associated with anti-EGFR antibody resistance in RAS wildtype metastatic colorectal cancer (mCRC): Evaluation of the PANAMA trial (AIO-KRK-0212). <i>TJ ETQq1 1 0.784314 rgBT /Overlock Oncology</i> . 2022, 40, 3536-3536.	1.6	2
68	Classification of molecular subtypes of high-grade serous ovarian cancer by MALDI-Imaging.. <i>Journal of Clinical Oncology</i> , 2021, 39, e17544-e17544.	1.6	0
69	Clinical Evidence on the Interaction Between MLK4, KRAS and Microsatellite Instability to Determine the Prognosis of Early-Stage Colorectal Carcinoma. <i>Cellular Physiology and Biochemistry</i> , 2019, 53, 820-831.	1.6	0
70	Elucidating resistance mechanism to PARP inhibitors for the development of novel therapeutic approaches in high-grade serous ovarian cancer.. <i>Journal of Clinical Oncology</i> , 2020, 38, 6078-6078.	1.6	0
71	Comparison of risk assessment in 1652 early ER positive, HER2 negative breast cancer in a real-world data set: classical pathological parameters vs. 12-gene molecular assay (EndoPredict). <i>Breast Cancer Research and Treatment</i> , 2022, 191, 327-333.	2.5	0
72	Consensus molecular subtypes (CMS) as prognostic and predictive biomarkers of panitumumab (Pmab), fluorouracil and folinic acid (FU/FA) or FU/FA maintenance therapy following Pmab-FOLFOX induction in RAS wildtype metastatic colorectal cancer (mCRC): PANAMA trial (AIO-KRK-0212).. <i>Journal of Clinical Oncology</i> , 2022, 40, 3537-3537.	1.6	0