

# Rudolf S N Fehrmann

## List of Publications by Year in descending order

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Version: 2024-02-01

97  
papers

16,433  
citations

81839

39  
h-index

46771

89  
g-index

104  
all docs

104  
docs citations

104  
times ranked

30598  
citing authors

#	ARTICLE	IF	CITATIONS
1	An mRNA expression-based signature for oncogene-induced replication-stress. <i>Oncogene</i> , 2022, 41, 1216-1224.	2.6	17
2	Cross-cohort gut microbiome associations with immune checkpoint inhibitor response in advanced melanoma. <i>Nature Medicine</i> , 2022, 28, 535-544.	15.2	158
3	Intraoperative MET-receptor targeted fluorescent imaging and spectroscopy for lymph node detection in papillary thyroid cancer: novel diagnostic tools for more selective central lymph node compartment dissection. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 3557-3570.	3.3	7
4	Immunogenicity after second and third mRNA-1273 vaccination doses in patients receiving chemotherapy, immunotherapy, or both for solid tumours. <i>Lancet Oncology</i> , The, 2022, 23, 833-835.	5.1	18
5	The gut wall's potential as a partner for precision oncology in immune checkpoint treatment. <i>Cancer Treatment Reviews</i> , 2022, 107, 102406.	3.4	2
6	Validation of Novel Molecular Imaging Targets Identified by Functional Genomic mRNA Profiling to Detect Dysplasia in Barrett's Esophagus. <i>Cancers</i> , 2022, 14, 2462.	1.7	4
7	Liver glycogen phosphorylase is upregulated in glioblastoma and provides a metabolic vulnerability to high dose radiation. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	6
8	Genome-wide association study of cardiovascular disease in testicular cancer patients treated with platinum-based chemotherapy. <i>Pharmacogenomics Journal</i> , 2021, 21, 152-164.	0.9	4
9	COVID-19 vaccination: the VOICE for patients with cancer. <i>Nature Medicine</i> , 2021, 27, 568-569.	15.2	53
10	Improving gene function predictions using independent transcriptional components. <i>Nature Communications</i> , 2021, 12, 1464.	5.8	20
11	Perioperative Systemic Therapy vs Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy Alone for Resectable Colorectal Peritoneal Metastases. <i>JAMA Surgery</i> , 2021, 156, 710-720.	2.2	34
12	Identification and Validation of Esophageal Squamous Cell Carcinoma Targets for Fluorescence Molecular Endoscopy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9270.	1.8	3
13	Robust metabolic transcriptional components in 34,494 patient-derived cancer-related samples and cell lines. <i>Cancer &amp; Metabolism</i> , 2021, 9, 35.	2.4	4
14	Gallbladder Cancer: Current Insights in Genetic Alterations and Their Possible Therapeutic Implications. <i>Cancers</i> , 2021, 13, 5257.	1.7	22
15	mRNA-1273 COVID-19 vaccination in patients receiving chemotherapy, immunotherapy, or chemoimmunotherapy for solid tumours: a prospective, multicentre, non-inferiority trial. <i>Lancet Oncology</i> , The, 2021, 22, 1681-1691.	5.1	118
16	Serotonin and Dopamine Receptor Expression in Solid Tumours Including Rare Cancers. <i>Pathology and Oncology Research</i> , 2020, 26, 1539-1547.	0.9	35
17	Molecular imaging biomarkers for immune checkpoint inhibitor therapy. <i>Theranostics</i> , 2020, 10, 1708-1718.	4.6	68
18	Overexpression of Cyclin E1 or Cdc25A leads to replication stress, mitotic aberrancies, and increased sensitivity to replication checkpoint inhibitors. <i>Oncogenesis</i> , 2020, 9, 88.	2.1	37

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19	Cyclin E expression is associated with high levels of replication stress in triple-negative breast cancer. <i>Npj Breast Cancer</i> , 2020, 6, 40.	2.3	27
20	Clinical utility of circulating tumor DNA as a response and follow-up marker in cancer therapy. <i>Cancer and Metastasis Reviews</i> , 2020, 39, 999-1013.	2.7	38
21	Transcriptional Activity and Stability of CD39+CD103+CD8+ T Cells in Human High-Grade Endometrial Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3770.	1.8	13
22	Immune microenvironment composition in non-small cell lung cancer and its association with survival. <i>Clinical and Translational Immunology</i> , 2020, 9, e1142.	1.7	119
23	Comparison of Carboplatin With 5-Fluorouracil vs. Cisplatin as Concomitant Chemoradiotherapy for Locally Advanced Head and Neck Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , 2020, 10, 761.	1.3	14
24	Transcriptional effects of copy number alterations in a large set of human cancers. <i>Nature Communications</i> , 2020, 11, 715.	5.8	53
25	Data-driven prioritization and preclinical evaluation of therapeutic targets in glioblastoma. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa151.	0.4	1
26	BRCA2 deficiency instigates cGAS-mediated inflammatory signaling and confers sensitivity to tumor necrosis factor-alpha-mediated cytotoxicity. <i>Nature Communications</i> , 2019, 10, 100.	5.8	91
27	CD47 Expression Defines Efficacy of Rituximab with CHOP in Non-Germinal Center B-cell (Non-GCB) Diffuse Large B-cell Lymphoma Patients (DLBCL), but Not in GCB DLBCL. <i>Cancer Immunology Research</i> , 2019, 7, 1663-1671.	1.6	28
28	Cancer cell-expressed SLAMF7 is not required for CD47-mediated phagocytosis. <i>Nature Communications</i> , 2019, 10, 533.	5.8	26
29	Consideration of breast cancer subtype in targeting the androgen receptor. , 2019, 200, 135-147.		65
30	Transcriptional regulators CITED2 and PU.1 cooperate in maintaining hematopoietic stem cells. <i>Experimental Hematology</i> , 2019, 73, 38-49.e7.	0.2	4
31	Perioperative systemic therapy and cytoreductive surgery with HIPEC versus upfront cytoreductive surgery with HIPEC alone for isolated resectable colorectal peritoneal metastases: protocol of a multicentre, open-label, parallel-group, phase II-III, randomised, superiority study (CAIRO6). <i>BMC Cancer</i> , 2019, 19, 390.	1.1	83
32	A large pooled analysis refines gene expression-based molecular subclasses in cutaneous melanoma. <i>Oncolmmunology</i> , 2019, 8, 1558664.	2.1	0
33	MAPK pathway activity plays a key role in PD-L1 expression of lung adenocarcinoma cells. <i>Journal of Pathology</i> , 2019, 249, 52-64.	2.1	117
34	89Zr-labeled Bispecific T-cell Engager AMG 211 PET Shows AMG 211 Accumulation in CD3-rich Tissues and Clear, Heterogeneous Tumor Uptake. <i>Clinical Cancer Research</i> , 2019, 25, 3517-3527.	3.2	34
35	Driving innovation for rare skin cancers: utilizing common tumours and machine learning to predict immune checkpoint inhibitor response. <i>Immuno-Oncology Technology</i> , 2019, 4, 1-7.	0.2	2
36	TPX2/Aurora kinase A signaling as a potential therapeutic target in genomically unstable cancer cells. <i>Oncogene</i> , 2019, 38, 852-867.	2.6	43

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37	Quantitative proteomics analysis identifies MUC1 as an effect sensor of EGFR inhibition. <i>Oncogene</i> , 2019, 38, 1477-1488.	2.6	11
38	Integrative Kinome Profiling Identifies mTORC1/2 Inhibition as Treatment Strategy in Ovarian Clear Cell Carcinoma. <i>Clinical Cancer Research</i> , 2018, 24, 3928-3940.	3.2	35
39	Data-Driven prioritisation of antibody-drug conjugate targets in head and neck squamous cell carcinoma. <i>Oral Oncology</i> , 2018, 80, 33-39.	0.8	5
40	P04.22 Data-driven prioritization and evaluation of novel therapeutic targets in glioblastoma. <i>Neuro-Oncology</i> , 2018, 20, iii283-iii283.	0.6	0
41	Glypican 3 Overexpression across a Broad Spectrum of Tumor Types Discovered with Functional Genomic mRNA Profiling of a Large Cancer Database. <i>American Journal of Pathology</i> , 2018, 188, 1973-1981.	1.9	30
42	Considering the biology of late recurrences in selecting patients for extended endocrine therapy in breast cancer. <i>Cancer Treatment Reviews</i> , 2018, 70, 118-126.	3.4	13
43	Identification of relevant drugable targets in diffuse large B-cell lymphoma using a genome-wide unbiased CD20 guilt-by association approach. <i>PLoS ONE</i> , 2018, 13, e0193098.	1.1	20
44	CD47 Expression Defines the Efficacy of Rituximab in Non-Germinal Center B-Cell (non-GCB) Diffuse Large B-Cell Lymphoma (DLBCL). <i>Blood</i> , 2018, 132, 2852-2852.	0.6	0
45	Data-Driven Prioritization and Review of Targets for Molecular-Based Theranostic Approaches in Pancreatic Cancer. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1899-1903.	2.8	9
46	The antibody drug conjugate target landscape across a broad range of tumour types. <i>Annals of Oncology</i> , 2017, 28, 3083-3091.	0.6	40
47	Theranostics Using Antibodies and Antibody-Related Therapeutics. <i>Journal of Nuclear Medicine</i> , 2017, 58, 83S-90S.	2.8	85
48	Relevance of Tumor-Infiltrating Immune Cell Composition and Functionality for Disease Outcome in Breast Cancer. <i>Journal of the National Cancer Institute</i> , 2017, 109, djw192.	3.0	296
49	Identification of novel therapeutic targets in anaplastic thyroid carcinoma using functional genomic mRNA-profiling: Paving the way for new avenues?. <i>Surgery</i> , 2017, 161, 202-211.	1.0	16
50	Indispensable benefit of independent investigator-driven research in a changing clinical trial landscape. <i>ESMO Open</i> , 2017, 2, e000272.	2.0	2
51	Functional Genomic mRNA Profiling of Colorectal Adenomas: Identification and <i>in vivo</i> Validation of CD44 and Splice Variant CD44v6 as Molecular Imaging Targets. <i>Theranostics</i> , 2017, 7, 482-492.	4.6	10
52	Abstract 1406: Towards an RNA expression-based signature for oncogene-induced replication stress. , 2017, , .		0
53	Genetic variants in RBF3X are associated with sleep latency. <i>European Journal of Human Genetics</i> , 2016, 24, 1488-1495.	1.4	27
54	GWAS for executive function and processing speed suggests involvement of the CADM2 gene. <i>Molecular Psychiatry</i> , 2016, 21, 189-197.	4.1	134

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55	The association between lower educational attainment and depression owing to shared genetic effects? Results in ~25%000 subjects. <i>Molecular Psychiatry</i> , 2015, 20, 735-743.	4.1	59
56	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , 2015, 518, 187-196.	13.7	1,328
57	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , 2015, 518, 197-206.	13.7	3,823
58	A large lung gene expression study identifying fibulin-5 as a novel player in tissue repair in COPD. <i>Thorax</i> , 2015, 70, 21-32.	2.7	89
59	Gene expression analysis identifies global gene dosage sensitivity in cancer. <i>Nature Genetics</i> , 2015, 47, 115-125.	9.4	313
60	Biological interpretation of genome-wide association studies using predicted gene functions. <i>Nature Communications</i> , 2015, 6, 5890.	5.8	706
61	Regulators of homologous recombination repair as novel targets for cancer treatment. <i>Frontiers in Genetics</i> , 2015, 6, 96.	1.1	58
62	ATR inhibition preferentially targets homologous recombination-deficient tumor cells. <i>Oncogene</i> , 2015, 34, 3474-3481.	2.6	80
63	Growth Differentiation Factor 15 (GDF-15) Plasma Levels Increase during Bleomycin- and Cisplatin-Based Treatment of Testicular Cancer Patients and Relate to Endothelial Damage. <i>PLoS ONE</i> , 2015, 10, e0115372.	1.1	37
64	Functional Genomic mRNA Profiling of a large cancer data base demonstrates mesothelin overexpression in a broad range of tumor types. <i>Oncotarget</i> , 2015, 6, 28164-28172.	0.8	22
65	Common genetic variants associated with cognitive performance identified using the proxy-phenotype method. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13790-13794.	3.3	244
66	Polygenic scores associated with educational attainment in adults predict educational achievement and ADHD symptoms in children. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2014, 165, 510-520.	1.1	40
67	Extraintestinal Manifestations and Complications in Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 1.	0.9	31
68	Defining the role of common variation in the genomic and biological architecture of adult human height. <i>Nature Genetics</i> , 2014, 46, 1173-1186.	9.4	1,818
69	Abstract 1315: CtIP is regulated by the APC/C-Cdh1 to mediate cell cycle-dependent control of DNA repair. , 2014, , .		0
70	SMIM1 underlies the Vel blood group and influences red blood cell traits. <i>Nature Genetics</i> , 2013, 45, 542-545.	9.4	96
71	CWAS of 126,559 Individuals Identifies Genetic Variants Associated with Educational Attainment. <i>Science</i> , 2013, 340, 1467-1471.	6.0	750
72	Human Disease-Associated Genetic Variation Impacts Large Intergenic Non-Coding RNA Expression. <i>PLoS Genetics</i> , 2013, 9, e1003201.	1.5	247

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73	Unraveling the Regulatory Mechanisms Underlying Tissue-Dependent Genetic Variation of Gene Expression. <i>PLoS Genetics</i> , 2012, 8, e1002431.	1.5	194
74	Defining the risk of toxicity in phase I oncology trials of novel molecularly targeted agents: a single centre experience. <i>Annals of Oncology</i> , 2012, 23, 1968-1973.	0.6	26
75	Treatment with high-dose simvastatin inhibits geranylgeranylation in AML blast cells in a subset of AML patients. <i>Experimental Hematology</i> , 2012, 40, 177-186.e6.	0.2	15
76	Macrophage inhibitory cytokine 1 plasma levels in testicular cancer patients during cisplatin combination treatment and their relation to endothelial damage.. <i>Journal of Clinical Oncology</i> , 2012, 30, e15035-e15035.	0.8	0
77	Meta-analysis identifies 29 additional ulcerative colitis risk loci, increasing the number of confirmed associations to 47. <i>Nature Genetics</i> , 2011, 43, 246-252.	9.4	1,201
78	A bioinformatical and functional approach to identify novel strategies for chemoprevention of colorectal cancer. <i>Oncogene</i> , 2011, 30, 2026-2036.	2.6	22
79	Three ulcerative colitis susceptibility loci are associated with primary sclerosing cholangitis and indicate a role for <i>IL2</i> , <i>REL</i> , and <i>CARD9</i> . <i>Hepatology</i> , 2011, 53, 1977-1985.	3.6	110
80	Meta-analysis of genome-wide association studies in celiac disease and rheumatoid arthritis identifies fourteen non-HLA shared loci. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, A21-A21.	0.5	0
81	MixupMapper: correcting sample mix-ups in genome-wide datasets increases power to detect small genetic effects. <i>Bioinformatics</i> , 2011, 27, 2104-2111.	1.8	81
82	Involvement of the TGF- $\beta$ 2 and $\beta$ 2-Catenin Pathways in Pelvic Lymph Node Metastasis in Early-Stage Cervical Cancer. <i>Clinical Cancer Research</i> , 2011, 17, 1317-1330.	3.2	113
83	Meta-Analysis of Genome-Wide Association Studies in Celiac Disease and Rheumatoid Arthritis Identifies Fourteen Non-HLA Shared Loci. <i>PLoS Genetics</i> , 2011, 7, e1002004.	1.5	307
84	Trans-eQTLs Reveal That Independent Genetic Variants Associated with a Complex Phenotype Converge on Intermediate Genes, with a Major Role for the HLA. <i>PLoS Genetics</i> , 2011, 7, e1002197.	1.5	324
85	Abstract 2960: A combined bioinformatics and proteomics approach identifies DNA repair factors regulated by the APC/C. , 2011, , .		0
86	A retrospective analysis of clinical outcome of patients with chemo-refractory metastatic breast cancer treated in a single institution phase I unit. <i>British Journal of Cancer</i> , 2010, 103, 607-612.	2.9	11
87	Identification of genes and pathways associated with cytotoxic T lymphocyte infiltration of serous ovarian cancer. <i>British Journal of Cancer</i> , 2010, 103, 685-692.	2.9	43
88	Multiple common variants for celiac disease influencing immune gene expression. <i>Nature Genetics</i> , 2010, 42, 295-302.	9.4	871
89	Common variants in 22 loci are associated with QRS duration and cardiac ventricular conduction. <i>Nature Genetics</i> , 2010, 42, 1068-1076.	9.4	308
90	Abstract 161: Discovery of novel methylation-based biomarkers for epithelial ovarian cancer using oligonucleotide microarrays. , 2010, , .		0

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91	In Vivo Treatment of AML Patients with High-Dose Simvastatin Inhibits Geranylgeranylation In AML Cells. <i>Blood</i> , 2010, 116, 3280-3280.	0.6	0
92	Current smoking-specific gene expression signature in normal bronchial epithelium is enhanced in squamous cell lung cancer. <i>Journal of Pathology</i> , 2009, 218, 182-191.	2.1	63
93	Survival-Related Profile, Pathways, and Transcription Factors in Ovarian Cancer. <i>PLoS Medicine</i> , 2009, 6, e1000024.	3.9	156
94	A New Perspective on Transcriptional System Regulation (TSR): Towards TSR Profiling. <i>PLoS ONE</i> , 2008, 3, e1656.	1.1	11
95	Profiling Studies in Ovarian Cancer: A Review. <i>Oncologist</i> , 2007, 12, 960-966.	1.9	63
96	Evidence Based Selection of Housekeeping Genes. <i>PLoS ONE</i> , 2007, 2, e898.	1.1	617
97	Application of a comprehensive subtelomere array in clinical diagnosis of mental retardation. <i>European Journal of Medical Genetics</i> , 2005, 48, 250-262.	0.7	29