

# Manuela Zucknick

## List of Publications by Year in descending order

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96  
papers

6,515  
citations

126907

33  
h-index

64796

79  
g-index

100  
all docs

100  
docs citations

100  
times ranked

12576  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hotspot Mutations in H3F3A and IDH1 Define Distinct Epigenetic and Biological Subgroups of Glioblastoma. <i>Cancer Cell</i> , 2012, 22, 425-437.	16.8	1,551
2	<i>IDH1</i> and <i>IDH2</i> Mutations Are Frequent Genetic Alterations in Acute Myeloid Leukemia and Confer Adverse Prognosis in Cytogenetically Normal Acute Myeloid Leukemia With <i>NPM1</i> Mutation Without <i>FLT3</i> Internal Tandem Duplication. <i>Journal of Clinical Oncology</i> , 2010, 28, 3636-3643.	1.6	728
3	The impact of therapy-related acute myeloid leukemia (AML) on outcome in 2853 adult patients with newly diagnosed AML. <i>Blood</i> , 2011, 117, 2137-2145.	1.4	392
4	Circulating miRNAs as Surrogate Markers for Circulating Tumor Cells and Prognostic Markers in Metastatic Breast Cancer. <i>Clinical Cancer Research</i> , 2012, 18, 5972-5982.	7.0	231
5	Impact of <i>IDH1</i> R132 Mutations and an <i>IDH1</i> Single Nucleotide Polymorphism in Cytogenetically Normal Acute Myeloid Leukemia: SNP rs11554137 Is an Adverse Prognostic Factor. <i>Journal of Clinical Oncology</i> , 2010, 28, 2356-2364.	1.6	229
6	Circulating microRNAs in plasma as early detection markers for breast cancer. <i>International Journal of Cancer</i> , 2013, 132, 1602-1612.	5.1	227
7	Intratumor DNA Methylation Heterogeneity Reflects Clonal Evolution in Aggressive Prostate Cancer. <i>Cell Reports</i> , 2014, 8, 798-806.	6.4	219
8	Plasma DNA integrity as a biomarker for primary and metastatic breast cancer and potential marker for early diagnosis. <i>Breast Cancer Research and Treatment</i> , 2014, 146, 163-174.	2.5	142
9	Monosomal karyotype in adult acute myeloid leukemia: prognostic impact and outcome after different treatment strategies. <i>Blood</i> , 2012, 119, 551-558.	1.4	140
10	Evolution of DNA Methylation Is Linked to Genetic Aberrations in Chronic Lymphocytic Leukemia. <i>Cancer Discovery</i> , 2014, 4, 348-361.	9.4	135
11	Epigenetic Upregulation of lncRNAs at 13q14.3 in Leukemia Is Linked to the In Cis Downregulation of a Gene Cluster That Targets NF- $\kappa$ B. <i>PLoS Genetics</i> , 2013, 9, e1003373.	3.5	134
12	Extensive Promoter DNA Hypermethylation and Hypomethylation Is Associated with Aberrant MicroRNA Expression in Chronic Lymphocytic Leukemia. <i>Cancer Research</i> , 2012, 72, 3775-3785.	0.9	123
13	Circulating miRNAs with prognostic value in metastatic breast cancer and for early detection of metastasis. <i>Carcinogenesis</i> , 2016, 37, 461-470.	2.8	122
14	Quantitative DNA Methylation Analysis Identifies a Single CpG Dinucleotide Important for ZAP-70 Expression and Predictive of Prognosis in Chronic Lymphocytic Leukemia. <i>Journal of Clinical Oncology</i> , 2012, 30, 2483-2491.	1.6	120
15	Plasma MicroRNA Panel for Minimally Invasive Detection of Breast Cancer. <i>PLoS ONE</i> , 2013, 8, e76729.	2.5	112
16	Global alterations of DNA methylation in cholangiocarcinoma target the Wnt signaling pathway. <i>Hepatology</i> , 2014, 59, 544-554.	7.3	97
17	Aberrant DNA methylation characterizes juvenile myelomonocytic leukemia with poor outcome. <i>Blood</i> , 2011, 117, 4871-4880.	1.4	94
18	Systemic Inflammatory Response Predicts Prognosis in Patients with Advanced-Stage Colorectal Cancer. <i>Clinical Colorectal Cancer</i> , 2008, 7, 331-337.	2.3	90

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19	Thymidylate Synthase and Methylenetetrahydrofolate Reductase Gene Polymorphisms and Toxicity to Capecitabine in Advanced Colorectal Cancer Patients. <i>Clinical Cancer Research</i> , 2008, 14, 817-825.	7.0	90
20	Dual-color Proteomic Profiling of Complex Samples with a Microarray of 810 Cancer-related Antibodies. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 1271-1280.	3.8	90
21	Machine learning workflows to estimate class probabilities for precision cancer diagnostics on DNA methylation microarray data. <i>Nature Protocols</i> , 2020, 15, 479-512.	12.0	89
22	Differential expression and methylation of brain developmental genes define location-specific subsets of pilocytic astrocytoma. <i>Acta Neuropathologica</i> , 2013, 126, 291-301.	7.7	84
23	High-Dimensional Cox Models: The Choice of Penalty as Part of the Model Building Process. <i>Biometrical Journal</i> , 2010, 52, 50-69.	1.0	69
24	Validation of ZAP-70 methylation and its relative significance in predicting outcome in chronic lymphocytic leukemia. <i>Blood</i> , 2014, 124, 42-48.	1.4	60
25	Major histocompatibility complex class I expression impacts on patient survival and type and density of immune cells in biliary tract cancer. <i>British Journal of Cancer</i> , 2015, 113, 1343-1349.	6.4	54
26	DNA methylation array analyses identified breast cancer-associated HYAL2 methylation in peripheral blood. <i>International Journal of Cancer</i> , 2015, 136, 1845-1855.	5.1	53
27	Comparing the Characteristics of Gene Expression Profiles Derived by Univariate and Multivariate Classification Methods. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2008, 7, Article7.	0.6	45
28	A pilot study on the application of statistical classification procedures to molecular epidemiological data. <i>Toxicology Letters</i> , 2004, 151, 291-299.	0.8	43
29	Estrogen Receptor $\beta$ , a Sex-Dependent Predictor of Aggressiveness in Nonfunctioning Pituitary Adenomas: SSTR and Sex Hormone Receptor Distribution in NFPA. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 3581-3590.	3.6	43
30	Uptake and release of amino acids in the fetal-placental unit in human pregnancies. <i>PLoS ONE</i> , 2017, 12, e0185760.	2.5	42
31	Head-to-Head Comparison and Evaluation of 92 Plasma Protein Biomarkers for Early Detection of Colorectal Cancer in a True Screening Setting. <i>Clinical Cancer Research</i> , 2015, 21, 3318-3326.	7.0	39
32	Differential DNA Methylation Predicts Response To Combined Treatment Regimens With a DNA Methyltransferase Inhibitor In Acute Myeloid Leukemia (AML). <i>Blood</i> , 2013, 122, 2539-2539.	1.4	35
33	Quantitative analyses of DAPK1 methylation in AML and MDS. <i>International Journal of Cancer</i> , 2012, 131, E138-42.	5.1	34
34	RASA4 undergoes DNA hypermethylation in resistant juvenile myelomonocytic leukemia. <i>Epigenetics</i> , 2014, 9, 1252-1260.	2.7	34
35	Early aberrant DNA methylation events in a mouse model of acute myeloid leukemia. <i>Genome Medicine</i> , 2014, 6, 34.	8.2	34
36	SNPs in transporter and metabolizing genes as predictive markers for oxaliplatin treatment in colorectal cancer patients. <i>International Journal of Cancer</i> , 2016, 138, 2993-3001.	5.1	34

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37	<i>NFATC1</i> activation by DNA hypomethylation in chronic lymphocytic leukemia correlates with clinical staging and can be inhibited by ibrutinib. <i>International Journal of Cancer</i> , 2018, 142, 322-333.	5.1	33
38	Preeclampsia in kidney transplanted women; Outcomes and a simple prognostic risk score system. <i>PLoS ONE</i> , 2017, 12, e0173420.	2.5	30
39	Gene promoter methylation signature predicts survival of head and neck squamous cell carcinoma patients. <i>Epigenetics</i> , 2016, 11, 61-73.	2.7	29
40	WWOX tumour suppressor gene polymorphisms and ovarian cancer pathology and prognosis. <i>European Journal of Cancer</i> , 2010, 46, 818-825.	2.8	28
41	Systematic assessment of commercially available low-input miRNA library preparation kits. <i>RNA Biology</i> , 2020, 17, 75-86.	3.1	28
42	Noninvasive profiling of serum cytokines in breast cancer patients and clinicopathological characteristics. <i>Oncolimmunology</i> , 2019, 8, e1537691.	4.6	27
43	Kruppel-like factor 4 (KLF4) inactivation in chronic lymphocytic leukemia correlates with promoter DNA-methylation and can be reversed by inhibition of NOTCH signaling. <i>Haematologica</i> , 2016, 101, e249-e253.	3.5	26
44	Tumor necrosis factor receptor signaling is a driver of chronic lymphocytic leukemia that can be therapeutically targeted by the flavonoid wogonin. <i>Haematologica</i> , 2018, 103, 688-697.	3.5	26
45	The General Health Questionnaire-28 (GHQ-28) as an outcome measurement in a randomized controlled trial in a Norwegian stroke population. <i>BMC Psychology</i> , 2019, 7, 18.	2.1	26
46	The Norwegian dietary guidelines and colorectal cancer survival (CRC-NORDIET) study: a food-based multicentre randomized controlled trial. <i>BMC Cancer</i> , 2017, 17, 83.	2.6	25
47	Decitabine induces very early in vivo DNA methylation changes in blasts from patients with acute myeloid leukemia. <i>Leukemia Research</i> , 2013, 37, 190-196.	0.8	23
48	Development of bimanual performance in young children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2018, 60, 490-497.	2.1	23
49	Assessment and optimisation of normalisation methods for dual-colour antibody microarrays. <i>BMC Bioinformatics</i> , 2010, 11, 556.	2.6	22
50	<i>LOC283731</i> promoter hypermethylation prognosticates survival after radiochemotherapy in IDH1 wild-type glioblastoma patients. <i>International Journal of Cancer</i> , 2016, 139, 424-432.	5.1	18
51	Serum cytokine levels in breast cancer patients during neoadjuvant treatment with bevacizumab. <i>Oncolimmunology</i> , 2018, 7, e1457598.	4.6	18
52	Loss of CBY1 results in a ciliopathy characterized by features of Joubert syndrome. <i>Human Mutation</i> , 2020, 41, 2179-2194.	2.5	16
53	The role of E and N-cadherin in the postoperative course of gonadotroph pituitary tumours. <i>Endocrine</i> , 2018, 62, 351-360.	2.3	15
54	Identification and Validation of Leucine-rich $\alpha$ -2-glycoprotein 1 as a Noninvasive Biomarker for Improved Precision in Prostate Cancer Risk Stratification. <i>European Urology Open Science</i> , 2020, 21, 51-60.	0.4	13

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55	The effects of a dialogue-based intervention to promote psychosocial well-being after stroke: a randomized controlled trial. <i>Clinical Rehabilitation</i> , 2020, 34, 1056-1071.	2.2	13
56	A Lentiviral CXCR4 Overexpression and Knockdown Model in Colorectal Cancer Cell Lines Reveals Plerixafor-Dependent Suppression of SDF-1 $\alpha$ -Induced Migration and Invasion. <i>Oncology Research and Treatment</i> , 2011, 34, 502-508.	1.2	12
57	bayesynergy: flexible Bayesian modelling of synergistic interaction effects in <i>in vitro</i> drug combination experiments. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	12
58	Toward Integrative Bayesian Analysis in Molecular Biology. <i>Annual Review of Statistics and Its Application</i> , 2018, 5, 141-167.	7.0	11
59	Validation of two short questionnaires assessing physical activity in colorectal cancer patients. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2018, 10, 8.	1.7	11
60	Lack of interleukin-33 and its receptor does not prevent calcipotriol-induced atopic dermatitis-like inflammation in mice. <i>Scientific Reports</i> , 2020, 10, 6451.	3.3	11
61	A Bayesian mixed modeling approach for estimating heritability. <i>BMC Proceedings</i> , 2018, 12, 31.	1.6	9
62	Effect of a dialogue-based intervention on psychosocial well-being 6 months after stroke in Norway: A randomized controlled trial. <i>Journal of Rehabilitation Medicine</i> , 2019, 51, 557-565.	1.1	9
63	Associations between clinical symptoms, plasma norepinephrine and deregulated immune gene networks in subgroups of adolescent with Chronic Fatigue Syndrome. <i>Brain, Behavior, and Immunity</i> , 2019, 76, 82-96.	4.1	9
64	Pre-stroke cognitive impairment is associated with vascular imaging pathology: a prospective observational study. <i>BMC Geriatrics</i> , 2021, 21, 362.	2.7	9
65	Factors increasing the risk of inappropriate vancomycin therapy in ICU patients: A prospective observational study. <i>Acta Anaesthesiologica Scandinavica</i> , 2020, 64, 1295-1304.	1.6	8
66	MicroRNA Expression Differences in Blood-Derived CD19+ B Cells of Methotrexate Treated Rheumatoid Arthritis Patients. <i>Frontiers in Immunology</i> , 2021, 12, 663736.	4.8	8
67	<i>p53</i> status in keratoacanthomas. <i>Journal of Cutaneous Pathology</i> , 2016, 43, 571-578.	1.3	7
68	Early postoperative growth in non-functioning pituitary adenomas; A tool to tailor safe follow-up. <i>Endocrine</i> , 2017, 57, 35-45.	2.3	7
69	Episiotomy practice in six Palestinian hospitals: a population-based cohort study among singleton vaginal births. <i>BMJ Open</i> , 2018, 8, e021629.	1.9	7
70	Hand use development in children with unilateral cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2021, 63, 1462-1468.	2.1	6
71	Neutrophil extracellular trap components and myocardial recovery in post-ischemic acute heart failure. <i>PLoS ONE</i> , 2020, 15, e0241333.	2.5	6
72	Protein expression analysis of chronic lymphocytic leukemia defines the effect of genetic aberrations and uncovers a correlation of CDK4, P27 and P53 with hierarchical risk. <i>Haematologica</i> , 2010, 95, 1880-1888.	3.5	5

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73	Dissecting the Prognostic Significance and Functional Role of Progranulin in Chronic Lymphocytic Leukemia. <i>Cancers</i> , 2019, 11, 822.	3.7	5
74	Are volume measurements of non-functioning pituitary adenomas reliable?. <i>Endocrine</i> , 2019, 63, 171-176.	2.3	5
75	Nonidentical twins: Comparison of frequentist and Bayesian lasso for Cox models. <i>Biometrical Journal</i> , 2015, 57, 959-981.	1.0	4
76	<sc>DMBT</sc>1 expression in biliary carcinogenesis with correlation of clinicopathological data. <i>Histopathology</i> , 2017, 70, 1064-1071.	2.9	4
77	A maternal meal affects clinical Doppler parameters in the fetal middle cerebral artery. <i>PLoS ONE</i> , 2018, 13, e0209990.	2.5	4
78	Maternal concentrations of human chorionic gonadotrophin in very early IVF pregnancies and duration of pregnancy: a follow-up study. <i>Reproductive BioMedicine Online</i> , 2018, 37, 208-215.	2.4	4
79	An extension to: Systematic assessment of commercially available low-input miRNA library preparation kits. <i>RNA Biology</i> , 2020, 17, 1284-1292.	3.1	4
80	Structured penalized regression for drug sensitivity prediction. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2020, 69, 525-545.	1.0	4
81	Mediators Linking Maternal Weight to Birthweight and Neonatal Fat Mass in Healthy Pregnancies. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 1977-1993.	3.6	4
82	Placenta-derived proteins across gestation in healthy pregnanciesâ€”a novel approach to assess placental function?. <i>BMC Medicine</i> , 2022, 20, .	5.5	4
83	Integration of Multiple Genomic Data Sources in a Bayesian Cox Model for Variable Selection and Prediction. <i>Computational and Mathematical Methods in Medicine</i> , 2017, 2017, 1-19.	1.3	3
84	Quality control for Illumina 450K methylation data in the absence of iDat files using correlation structure in pedigrees and repeated measures. <i>BMC Genetics</i> , 2018, 19, 66.	2.7	3
85	Impact of animated instruction on tablets and hands-on training in applying bimanual perineal support on episiotomy rates: an intervention study. <i>International Urogynecology Journal</i> , 2019, 30, 1343-1350.	1.4	3
86	Role of the Wnt signaling pathway in keratoacanthoma. <i>Cancer Reports</i> , 2020, 3, e1219.	1.4	3
87	Combining heterogeneous subgroups with graph-structured variable selection priors for Cox regression. <i>BMC Bioinformatics</i> , 2021, 22, 586.	2.6	3
88	Maternal body mass index and placental weight: a role for fetal insulin, maternal insulin and leptin. <i>Journal of Endocrinological Investigation</i> , 2022, 45, 2105-2121.	3.3	3
89	Type and Number of Secondary Molecular Lesions Improve Outcome Prediction in Acute Myeloid Leukemia (AML) with inv(16) or t(16;16): A Study of the German-Austrian AML Study Group (AMLSC).. <i>Blood</i> , 2009, 114, 824-824.	1.4	2
90	Statistical advising: Professional development opportunities for the biostatistician. <i>Statistics in Medicine</i> , 2022, 41, 847-859.	1.6	2

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91	Cold spots in hot spots: transcription start sites of active genes are spared from HIV vector integration. <i>Aids</i> , 2009, 23, 2535-2537.	2.2	1
92	Shared epitope is associated with the reactivity of Th17 cells to cigarette smoke extract regardless of smoking history. <i>Cellular and Molecular Immunology</i> , 2019, 16, 674-675.	10.5	1
93	Analysis of the ETS Family Member Genes ERG, ETS2, ETS1 and FLI1 in Acute Myeloid Leukemia (AML) Patients with Normal Cytogenetics: Expression Levels and Impact On Clinical Outcome. A Study of the AMLSG.. <i>Blood</i> , 2009, 114, 1600-1600.	1.4	1
94	Mutations in the Fms-Related Tyrosine Kinase 3 (FLT3) Gene Independently Predict Poor Outcome in Acute Myeloid Leukemia (AML) with t(8;21): A Study of the German-Austrian AML Study Group (AMLSG).. <i>Blood</i> , 2009, 114, 825-825.	1.4	1
95	Psychometric properties of the Norwegian foot function index revised short form. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 416.	1.9	1
96	Learning Cancer Drug Sensitivities in Large-Scale Screens from Multi-omics Data with Local Low-Rank Structure. <i>Lecture Notes in Computer Science</i> , 2020, , 67-79.	1.3	0