

# Wessel N Van Wieringen

## List of Publications by Year in descending order

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Version: 2024-02-01

93  
papers

3,139  
citations

172207

29  
h-index

168136

53  
g-index

94  
all docs

94  
docs citations

94  
times ranked

5529  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic Value of Cerebrospinal Fluid Neurofilament Light Protein in Neurology. <i>JAMA Neurology</i> , 2019, 76, 1035.	4.5	455
2	Magnetic resonance imaging pattern recognition in hypomyelinating disorders. <i>Brain</i> , 2010, 133, 2971-2982.	3.7	247
3	CGHcall: calling aberrations for array CGH tumor profiles. <i>Bioinformatics</i> , 2007, 23, 892-894.	1.8	208
4	Altered microRNA expression associated with chromosomal changes contributes to cervical carcinogenesis. <i>Oncogene</i> , 2013, 32, 106-116.	2.6	145
5	Bayesian analysis of RNA sequencing data by estimating multiple shrinkage priors. <i>Biostatistics</i> , 2013, 14, 113-128.	0.9	116
6	Survival prediction using gene expression data: A review and comparison. <i>Computational Statistics and Data Analysis</i> , 2009, 53, 1590-1603.	0.7	98
7	Leukoencephalopathy with brainstem and spinal cord involvement and lactate elevation: clinical and genetic characterization and target for therapy. <i>Brain</i> , 2014, 137, 1019-1029.	3.7	82
8	Better prediction by use of co $\alpha$ data: adaptive group $\alpha$ regularized ridge regression. <i>Statistics in Medicine</i> , 2016, 35, 368-381.	0.8	78
9	Integrated genomic and transcriptional profiling identifies chromosomal loci with altered gene expression in cervical cancer. <i>Genes Chromosomes and Cancer</i> , 2008, 47, 890-905.	1.5	59
10	Ridge estimation of inverse covariance matrices from high-dimensional data. <i>Computational Statistics and Data Analysis</i> , 2016, 103, 284-303.	0.7	58
11	A cancer drug atlas enables synergistic targeting of independent drug vulnerabilities. <i>Nature Communications</i> , 2020, 11, 2935.	5.8	57
12	Genomic profiling identifies common HPV-associated chromosomal alterations in squamous cell carcinomas of cervix and head and neck. <i>BMC Medical Genomics</i> , 2009, 2, 32.	0.7	56
13	Genotype $\alpha$ phenotype correlation in vanishing white matter disease. <i>Neurology</i> , 2010, 75, 1555-1559.	1.5	56
14	Chromosomal Signatures of a Subset of High-Grade Premalignant Cervical Lesions Closely Resemble Invasive Carcinomas. <i>Cancer Research</i> , 2009, 69, 647-655.	0.4	53
15	Weighted clustering of called array CGH data. <i>Biostatistics</i> , 2008, 9, 484-500.	0.9	52
16	Testing the prediction error difference between 2 predictors. <i>Biostatistics</i> , 2009, 10, 550-560.	0.9	52
17	CD98 marks a subpopulation of head and neck squamous cell carcinoma cells with stem cell properties. <i>Stem Cell Research</i> , 2013, 10, 477-488.	0.3	49
18	Preprocessing and downstream analysis of microarray DNA copy number profiles. <i>Briefings in Bioinformatics</i> , 2011, 12, 10-21.	3.2	48

#	ARTICLE	IF	CITATIONS
19	CGHregions: dimension reduction for array CGH data with minimal information loss. <i>Cancer Informatics</i> , 2007, 3, 55-63.	0.9	46
20	Nonparametric Testing for DNA Copy Number Induced Differential mRNA Gene Expression. <i>Biometrics</i> , 2009, 65, 19-29.	0.8	43
21	CGHregions: Dimension Reduction for Array CGH Data with Minimal Information Loss. <i>Cancer Informatics</i> , 2007, 3, 117693510700300.	0.9	42
22	Dithiocarbamates Induce Craniofacial Abnormalities and Downregulate sox9a during Zebrafish Development. <i>Toxicological Sciences</i> , 2010, 117, 209-217.	1.4	42
23	Statistical analysis of the cancer cell's molecular entropy using high-throughput data. <i>Bioinformatics</i> , 2011, 27, 556-563.	1.8	42
24	Genetic classification of oral and oropharyngeal carcinomas identifies subgroups with a different prognosis. <i>Cellular Oncology</i> , 2009, 31, 291-300.	1.9	42
25	Small bowel adenocarcinoma copy number profiles are more closely related to colorectal than to gastric cancers. <i>Annals of Oncology</i> , 2012, 23, 367-374.	0.6	38
26	Chromosomal profiles of high-grade cervical intraepithelial neoplasia relate to duration of preceding high-risk human papillomavirus infection. <i>International Journal of Cancer</i> , 2012, 131, E579-85.	2.3	37
27	Flow cytometric CD34+ stem cell enumeration: Lessons from nine years' external quality assessment within the Benelux countries. <i>Cytometry Part B - Clinical Cytometry</i> , 2007, 72B, 178-188.	0.7	32
28	Flow cytometric lymphocyte subset enumeration: 10 years of external quality assessment in the Benelux countries. <i>Cytometry Part B - Clinical Cytometry</i> , 2008, 74B, 79-90.	0.7	31
29	Measurement System Analysis for Binary Data. <i>Technometrics</i> , 2008, 50, 468-478.	1.3	31
30	A Comparison of Methods for the Evaluation of Binary Measurement Systems. <i>Quality Engineering</i> , 2005, 17, 495-507.	0.7	30
31	Temperature data analysis for 22 patients with advanced cervical carcinoma treated in Rotterdam using radiotherapy, hyperthermia and chemotherapy: A reference point is needed. <i>International Journal of Hyperthermia</i> , 2006, 22, 353-363.	1.1	30
32	ACE-it: a tool for genome-wide integration of gene dosage and RNA expression data. <i>Bioinformatics</i> , 2006, 22, 1919-1920.	1.8	29
33	Measurement System Analysis for Categorical Measurements: Agreement and Kappa-Type Indices. <i>Journal of Quality Technology</i> , 2007, 39, 191-202.	1.8	28
34	Losses of Chromosome 5q and 14q Are Associated with Favorable Clinical Outcome of Patients with Gastric Cancer. <i>Oncologist</i> , 2012, 17, 653-662.	1.9	27
35	Modeling and Evaluating Repeatability and Reproducibility of Ordinal Classifications. <i>Technometrics</i> , 2010, 52, 94-106.	1.3	26
36	Leucoencephalopathy with brainstem and spinal cord involvement and high lactate: quantitative magnetic resonance imaging. <i>Brain</i> , 2011, 134, 3333-3341.	3.7	26

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37	Distinguishing Three Unprofessional Behavior Profiles of Medical Students Using Latent Class Analysis. <i>Academic Medicine</i> , 2016, 91, 1276-1283.	0.8	26
38	Prognostic modeling of oral cancer by gene profiles and clinicopathological co-variables. <i>Oncotarget</i> , 2017, 8, 59312-59323.	0.8	22
39	Aberrant methylation-mediated silencing of microRNAs contributes to HPV-induced anchorage independence. <i>Oncotarget</i> , 2016, 7, 43805-43819.	0.8	22
40	To DNA or not to DNA? That Is the Question, When It Comes to Molecular Subtyping for the Clinic!. <i>Clinical Cancer Research</i> , 2011, 17, 4959-4964.	3.2	21
41	Plasma proteome in multiple sclerosis disease progression. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1582-1594.	1.7	21
42	4H Leukodystrophy: A Brain Magnetic Resonance Imaging Scoring System. <i>Neuropediatrics</i> , 2017, 48, 152-160.	0.3	20
43	Gene network reconstruction using global-local shrinkage priors. <i>Annals of Applied Statistics</i> , 2017, 11, 41-68.	0.5	20
44	Identification of Deregulated Pathways, Key Regulators, and Novel miRNA-mRNA Interactions in HPV-Mediated Transformation. <i>Cancers</i> , 2020, 12, 700.	1.7	20
45	Measurement System Analysis for Bounded Ordinal Data. <i>Quality and Reliability Engineering International</i> , 2004, 20, 383-395.	1.4	19
46	A Test for Partial Differential Expression. <i>Journal of the American Statistical Association</i> , 2008, 103, 1039-1049.	1.8	19
47	A test for comparing two groups of samples when analyzing multiple omics profiles. <i>BMC Bioinformatics</i> , 2014, 15, 236.	1.2	19
48	Measurement System Analysis for Binary Inspection: Continuous Versus Dichotomous Measurands. <i>Journal of Quality Technology</i> , 2011, 43, 99-112.	1.8	18
49	Restricted Diffusion in Vanishing White Matter. <i>Archives of Neurology</i> , 2012, 69, 723-7.	4.9	18
50	The Local and Systemic Inflammatory Response in a Pig Burn Wound Model With a Pivotal Role for Complement. <i>Journal of Burn Care and Research</i> , 2017, 38, e796-e806.	0.2	18
51	Identification of Lethal microRNAs Specific for Head and Neck Cancer. <i>Clinical Cancer Research</i> , 2013, 19, 5647-5657.	3.2	16
52	Quantitative MRI in hypomyelinating disorders. <i>Neurology</i> , 2016, 87, 752-758.	1.5	16
53	Copy number gain at 8q12.1-22.1 is associated with a malignant tumor phenotype in salivary gland myoepitheliomas. <i>Genes Chromosomes and Cancer</i> , 2009, 48, 202-212.	1.5	15
54	Matching of array CGH and gene expression microarray features for the purpose of integrative genomic analyses. <i>BMC Bioinformatics</i> , 2012, 13, 80.	1.2	14

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55	Normalized, Segmented or Called aCGH Data?. <i>Cancer Informatics</i> , 2007, 3, 117693510700300.	0.9	12
56	Rscreenorm: normalization of CRISPR and siRNA screen data for more reproducible hit selection. <i>BMC Bioinformatics</i> , 2018, 19, 301.	1.2	12
57	The Generalized Ridge Estimator of the Inverse Covariance Matrix. <i>Journal of Computational and Graphical Statistics</i> , 2019, 28, 932-942.	0.9	11
58	Risk modelling of outcome after general and trauma surgery (the IRIS score). <i>British Journal of Surgery</i> , 2009, 97, 128-133.	0.1	10
59	HPV type-related chromosomal profiles in high-grade cervical intraepithelial neoplasia. <i>BMC Cancer</i> , 2012, 12, 36.	1.1	10
60	Identification of genes putatively involved in the pathogenesis of diffuse large B-cell lymphomas by integrative genomics. <i>Genes Chromosomes and Cancer</i> , 2009, 48, 250-260.	1.5	9
61	Mechanical stress regulates bone regulatory gene expression independent of estrogen and vitamin D deficiency in rats. <i>Journal of Orthopaedic Research</i> , 2021, 39, 42-52.	1.2	9
62	On identifiability of certain latent class models. <i>Statistics and Probability Letters</i> , 2005, 75, 211-218.	0.4	8
63	A Random Coefficients Model for Regional Co-Expression Associated with DNA Copy Number. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2010, 9, Article25.	0.2	8
64	Modeling association between DNA copy number and gene expression with constrained piecewise linear regression splines. <i>Annals of Applied Statistics</i> , 2013, 7, .	0.5	8
65	Genomic aberrations relate early and advanced stage ovarian cancer. <i>Cellular Oncology (Dordrecht)</i> , 2012, 35, 181-188.	2.1	7
66	Expression signature in peripheral blood cells for molecular diagnosis of head and neck squamous cell carcinoma. <i>Oral Diseases</i> , 2013, 19, 452-455.	1.5	7
67	Short-term LPS induces aortic valve thickening in ApoE*3Leiden mice. <i>European Journal of Clinical Investigation</i> , 2019, 49, e13121.	1.7	7
68	On the mean squared error of the ridge estimator of the covariance and precision matrix. <i>Statistics and Probability Letters</i> , 2017, 123, 88-92.	0.4	6
69	Cytotoxic Effects of the Therapeutic Radionuclide Rhenium-188 Combined with Taxanes in Human Prostate Carcinoma Cell Lines. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2017, 32, 16-23.	0.7	6
70	Ridge estimation of the VAR(1) model and its time series chain graph from multivariate time-course omics data. <i>Biometrical Journal</i> , 2017, 59, 172-191.	0.6	6
71	Normalized, segmented or called aCGH data?. <i>Cancer Informatics</i> , 2007, 3, 321-7.	0.9	6
72	An empirical Bayes approach to network recovery using external knowledge. <i>Biometrical Journal</i> , 2017, 59, 932-947.	0.6	5

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73	Testing for Pathway (in)Activation by Using Gaussian Graphical Models. Journal of the Royal Statistical Society Series C: Applied Statistics, 2018, 67, 1419-1436.	0.5	5
74	Penalized estimation of the Gaussian graphical model from data with replicates. Statistics in Medicine, 2021, 40, 4279-4293.	0.8	5
75	Genetic Classification of Oral and Oropharyngeal Carcinomas Identifies Subgroups with a Different Prognosis. Analytical Cellular Pathology, 2009, 31, 291-300.	0.7	5
76	Intra-luminal thermometry: Is tissue type assignment a necessity for thermal analysis?. International Journal of Hyperthermia, 2006, 22, 463-473.	1.1	4
77	Transcriptomic Heterogeneity in Cancer as a Consequence of Dysregulation of the Gene-Gene Interaction Network. Bulletin of Mathematical Biology, 2015, 77, 1768-1786.	0.9	4
78	NOX2 Expression Is Increased in Keratinocytes After Burn Injury. Journal of Burn Care and Research, 2020, 41, 427-432.	0.2	4
79	Updating of the Gaussian graphical model through targeted penalized estimation. Journal of Multivariate Analysis, 2020, 178, 104621.	0.5	4
80	Exploratory Factor Analysis of Pathway Copy Number Data with an Application Towards the Integration with Gene Expression Data. Journal of Computational Biology, 2011, 18, 729-741.	0.8	3
81	Reconstruction of molecular network evolution from cross-sectional omics data. Biometrical Journal, 2018, 60, 547-563.	0.6	3
82	No Plasmatic Proteomic Signature at Clinical Disease Onset Associated With 11 Year Clinical, Cognitive and MRI Outcomes in Relapsing-Remitting Multiple Sclerosis Patients. Frontiers in Molecular Neuroscience, 2018, 11, 371.	1.4	3
83	The spectral condition number plot for regularization parameter evaluation. Computational Statistics, 2020, 35, 629-646.	0.8	3
84	C1 Inhibitor Administration Reduces Local Inflammation and Capillary Leakage, Without Affecting Long-term Wound Healing Parameters, in a Pig Burn Wound Model. Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry, 2021, 20, 150-160.	1.1	3
85	Sequential Learning of Regression Models by Penalized Estimation. Journal of Computational and Graphical Statistics, 2022, 31, 877-886.	0.9	3
86	tigaR: integrative significance analysis of temporal differential gene expression induced by genomic abnormalities. BMC Bioinformatics, 2014, 15, 327.	1.2	2
87	Penalized differential pathway analysis of integrative oncogenomics studies. Statistical Applications in Genetics and Molecular Biology, 2014, 13, 141-58.	0.2	2
88	Application of a New Ridge Estimator of the Inverse Covariance Matrix to the Reconstruction of Gene-Gene Interaction Networks. Lecture Notes in Computer Science, 2015, , 170-179.	1.0	2
89	Ridge estimation of network models from time-course omics data. Biometrical Journal, 2019, 61, 391-405.	0.6	1
90	Analysis of Twitter data with the Bayesian fused graphical lasso. PLoS ONE, 2020, 15, e0235596.	1.1	1

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91	Modeling the DNA copy number aberration patterns in observational high-throughput cancer data. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2013, 12, 143-74.	0.2	0
92	A test for detecting differential indirect trans effects between two groups of samples. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2018, 17, .	0.2	0
93	A parallel algorithm for ridge-penalized estimation of the multivariate exponential family from data of mixed types. <i>Statistics and Computing</i> , 2021, 31, 1.	0.8	0