A Cecile J W Janssens

List of Publications by Citations

156 papers	10,996 citations	45 h-index	103 g-index
168 ext. papers	12,615 ext. citations	8.4 avg, IF	5.88 L-index

#	Paper	IF	Citations
156	Biological, clinical and population relevance of 95 loci for blood lipids. *Nature*, **2010**, 466, 707-13	50.4	2742
155	Genome-wide analysis of genetic loci associated with Alzheimer disease. *JAMA - Journal of the American Medical Association*, **2010**, 303, 1832-40	27.4	888
154	Loci influencing lipid levels and coronary heart disease risk in 16 European population cohorts. *Nature Genetics*, **2009**, 41, 47-55	36.3	708
153	Simple risk model predicts incidence of atrial fibrillation in a racially and geographically diverse population: the CHARGE-AF consortium. *Journal of the American Heart Association*, **2013**, 2, e000102	6	425
152	Genome-wide association study identifies six new loci influencing pulse pressure and mean arterial pressure. *Nature Genetics*, **2011**, 43, 1005-11	36.3	338
151	Interpreting incremental value of markers added to risk prediction models. *American Journal of Epidemiology*, **2012**, 176, 473-81	3.8	312
150	Genome-based prediction of common diseases: advances and prospects. *Human Molecular Genetics*, **2008**, 17, R166-73	5.6	250
149	Meta-analyses identify 13 loci associated with age at menopause and highlight DNA repair and immune pathways. *Nature Genetics*, **2012**, 44, 260-8	36.3	243
148	Predicting type 2 diabetes based on polymorphisms from genome-wide association studies: a population-based study. *Diabetes*, **2008**, 57, 3122-8	0.9	231
147	A critical appraisal of the scientific basis of commercial genomic profiles used to assess health risks and personalize health interventions. *American Journal of Human Genetics*, **2008**, 82, 593-9	11	224
146	Eye color and the prediction of complex phenotypes from genotypes. *Current Biology*, **2009**, 19, R192-3	6.3	190
145	The Scientific Foundation for personal genomics: recommendations from a National Institutes of Health-Centers for Disease Control and Prevention multidisciplinary workshop. *Genetics in Medicine* , **2009**, 11, 559-67	8.1	186
144	Three genome-wide association studies and a linkage analysis identify HERC2 as a human iris color gene. *American Journal of Human Genetics*, **2008**, 82, 411-23	11	183
143	Predictive testing for complex diseases using multiple genes: fact or fiction?. *Genetics in Medicine*, **2006**, 8, 395-400	8.1	181
142	PredictABEL: an R package for the assessment of risk prediction models. *European Journal of Epidemiology*, **2011**, 26, 261-4	12.1	175
141	Genome-wide association study identifies novel loci associated with circulating phospho- and sphingolipid concentrations. *PLoS Genetics*, **2012**, 8, e1002490	6	145
140	B-type natriuretic peptide and C-reactive protein in the prediction of atrial fibrillation risk: the CHARGE-AF Consortium of community-based cohort studies. *Europace*, **2014**, 16, 1426-33	3.9	112

139	The impact of genotype frequencies on the clinical validity of genomic profiling for predicting common chronic diseases. *Genetics in Medicine*, **2007**, 9, 528-35	8.1	112
138	Predicting human height by Victorian and genomic methods. *European Journal of Human Genetics*, **2009**, 17, 1070-5	5.3	91
137	Survival in elderly persons with Down syndrome. *Journal of the American Geriatrics Society*, **2008**, 56, 2311-6	5.6	90
136	Prenatal exposure to the 1944-45 Dutch 'hunger winter' and addiction later in life. *Addiction*, **2008**, 103, 433-8	4.6	78
135	Using family history information to promote healthy lifestyles and prevent diseases; a discussion of the evidence. *BMC Public Health*, **2010**, 10, 248	4.1	74
134	A tiered-layered-staged model for informed consent in personal genome testing. *European Journal of Human Genetics*, **2013**, 21, 596-601	5.3	72
133	Family history and the natural history of colorectal cancer: systematic review. *Genetics in Medicine*, **2015**, 17, 702-12	8.1	70
132	Meta-analysis of genome-wide association for migraine in six population-based European cohorts. *European Journal of Human Genetics*, **2011**, 19, 901-7	5.3	70
131	Improving reporting standards for polygenic scores in risk prediction studies. *Nature*, **2021**, 591, 211-219	50.4	70
130	Prediction of age-related macular degeneration in the general population: the Three Continent AMD Consortium. *Ophthalmology*, **2013**, 120, 2644-2655	7.3	69
129	Personal utility in genomic testing: is there such a thing?. *Journal of Medical Ethics*, **2015**, 41, 322-6	2.5	68
128	Genome-based prediction of common diseases: methodological considerations for future research. *Genome Medicine*, **2009**, 1, 20	14.4	65
127	Plasma □amyloid and the risk of Alzheimer's disease in Down syndrome. *Neurobiology of Aging*, **2012**, 33, 1988-94	5.6	63
126	Evaluation of risk prediction updates from commercial genome-wide scans. *Genetics in Medicine*, **2009**, 11, 588-94	8.1	63
125	Revisiting the clinical validity of multiplex genetic testing in complex diseases. *American Journal of Human Genetics*, **2004**, 74, 585-8; author reply 588-9	11	62
124	Genetic testing and common disorders in a public health framework: how to assess relevance and possibilities. Background Document to the ESHG recommendations on genetic testing and common disorders. *European Journal of Human Genetics*, **2011**, 19 Suppl 1, S6-44	5.3	60
123	Predicting Polygenic Obesity Using Genetic Information. *Cell Metabolism*, **2017**, 25, 535-543	24.6	57
122	Replication of CD58 and CLEC16A as genome-wide significant risk genes for multiple sclerosis. *Journal of Human Genetics*, **2009**, 54, 676-80	4.3	57

121	Improvement of risk prediction by genomic profiling: reclassification measures versus the area under the receiver operating characteristic curve. *American Journal of Epidemiology*, **2010**, 172, 353-61	3.8	53
120	Impact of communicating familial risk of diabetes on illness perceptions and self-reported behavioral outcomes: a randomized controlled trial. *Diabetes Care*, **2009**, 32, 597-9	14.6	53
119	Reflection on modern methods: Revisiting the area under the ROC Curve. *International Journal of Epidemiology*, **2020**, 49, 1397-1403	7.8	52
118	Variations in predicted risks in personal genome testing for common complex diseases. *Genetics in Medicine*, **2014**, 16, 85-91	8.1	51
117	The apolipoprotein E gene and its age-specific effects on cognitive function. *Neurobiology of Aging*, **2010**, 31, 1831-3	5.6	51
116	Migraine is not associated with enhanced atherosclerosis. *Cephalalgia*, **2013**, 33, 228-35	6.1	47
115	Personal genome testing: test characteristics to clarify the discourse on ethical, legal and societal issues. *BMC Medical Ethics*, **2011**, 12, 11	2.9	46
114	Early age at menopause is associated with increased risk of dementia and mortality in women with Down syndrome. *Journal of Alzheimer's Disease*, **2010**, 19, 545-50	4.3	46
113	Fatigue: an important feature of late-onset Pompe disease. *Journal of Neurology*, **2007**, 254, 941-5	5.5	46
112	Research conducted using data obtained through online communities: ethical implications of methodological limitations. *PLoS Medicine*, **2012**, 9, e1001328	11.6	43
111	How can polygenic inheritance be used in population screening for common diseases?. *Genetics in Medicine*, **2013**, 15, 437-43	8.1	40
110	Racial/ethnic variation in the association of lipid-related genetic variants with blood lipids in the US adult population. *Circulation: Cardiovascular Genetics*, **2011**, 4, 523-33		40
109	Strengthening the reporting of Genetic RIsk Prediction Studies: the GRIPS Statement. *PLoS Medicine*, **2011**, 8, e1000420	11.6	40
108	Value of genetic profiling for the prediction of coronary heart disease. *American Heart Journal*, **2009**, 158, 105-10	4.9	38
107	'It might happen or it might not': how patients with multiple sclerosis explain their perception of prognostic risk. *Social Science and Medicine*, **2004**, 59, 861-8	5.1	37
106	Validity of polygenic risk scores: are we measuring what we think we are?. *Human Molecular Genetics*, **2019**, 28, R143-R150	5.6	35
105	A systematic review and critical assessment of 11 discordant meta-analyses on reduced-function CYP2C19 genotype and risk of adverse clinical outcomes in clopidogrel users. *Genetics in Medicine*, **2015**, 17, 3-11	8.1	35
104	Perception of prognostic risk in patients with multiple sclerosis: the relationship with anxiety, depression, and disease-related distress. *Journal of Clinical Epidemiology*, **2004**, 57, 180-6	5.7	35

103	A new logistic regression approach for the evaluation of diagnostic test results. *Medical Decision Making*, **2005**, 25, 168-77	2.5	35
102	An epidemiological perspective on the future of direct-to-consumer personal genome testing. *Investigative Genetics*, **2010**, 1, 10		34
101	Cox proportional hazards models have more statistical power than logistic regression models in cross-sectional genetic association studies. *European Journal of Human Genetics*, **2008**, 16, 1111-6	5.3	33
100	A study of the SORL1 gene in Alzheimer's disease and cognitive function. *Journal of Alzheimer's Disease*, **2009**, 18, 51-64	4.3	32
99	Use of genomic profiling to assess risk for cardiovascular disease and identify individualized prevention strategies--a targeted evidence-based review. *Genetics in Medicine*, **2010**, 12, 772-84	8.1	29
98	Genome-based prediction of breast cancer risk in the general population: a modeling study based on meta-analyses of genetic associations. *Cancer Epidemiology Biomarkers and Prevention*, **2011**, 20, 9-22	4	28
97	Genome-wide profiling of blood pressure in adults and children. *Hypertension*, **2012**, 59, 241-7	8.5	28
96	Genetic risk profiling for prediction of type 2 diabetes. *PLOS Currents*, **2011**, 3, RRN1208		28
95	Usefulness of genetic polymorphisms and conventional risk factors to predict coronary heart disease in patients with familial hypercholesterolemia. *American Journal of Cardiology*, **2009**, 103, 375-80	3	27
94	Clinical implications of old and new genes for open-angle glaucoma. *Ophthalmology*, **2011**, 118, 2389-97	7.3	26
93	A methodological perspective on genetic risk prediction studies in type 2 diabetes: recommendations for future research. *Current Diabetes Reports*, **2011**, 11, 511-8	5.6	26
92	Comparison of participant information and informed consent forms of five European studies in genetic isolated populations. *European Journal of Human Genetics*, **2010**, 18, 296-302	5.3	26
91	Does genetic testing really improve the prediction of future type 2 diabetes?. *PLoS Medicine*, **2006**, 3, e114; author reply e127	11.6	26
90	A collaborative translational research framework for evaluating and implementing the appropriate use of human genome sequencing to improve health. *PLoS Medicine*, **2018**, 15, e1002631	11.6	25
89	Informed consent in direct-to-consumer personal genome testing: the outline of a model between specific and generic consent. *Bioethics*, **2014**, 28, 343-51	2	24
88	The role of disease characteristics in the ethical debate on personal genome testing. *BMC Medical Genomics*, **2012**, 5, 4	3.7	24
87	Assessment of improved prediction beyond traditional risk factors: when does a difference make a difference?. *Circulation: Cardiovascular Genetics*, **2010**, 3, 3-5		24
86	Patients with Barrett's esophagus perceive their risk of developing esophageal adenocarcinoma as low. *Gastrointestinal Endoscopy*, **2007**, 65, 26-30	5.2	24

85	Strengthening the reporting of genetic risk prediction studies: the GRIPS statement. *European Journal of Clinical Investigation*, **2011**, 41, 1004-9	4.6	22
84	A critical evaluation of the algorithm behind the Relative Citation Ratio (RCR). *PLoS Biology*, **2017**, 15, e2002536	9.7	22
83	Polygenic Risk Scores That Predict Common Diseases Using Millions of Single Nucleotide Polymorphisms: Is More, Better?. *Clinical Chemistry*, **2019**, 65, 609-611	5.5	21
82	Novel citation-based search method for scientific literature: application to meta-analyses. *BMC Medical Research Methodology*, **2015**, 15, 84	4.7	21
81	A genome-wide screen for depression in two independent Dutch populations. *Biological Psychiatry*, **2010**, 68, 187-96	7.9	20
80	Strengthening the reporting of genetic risk prediction studies (GRIPS): explanation and elaboration. *European Journal of Clinical Investigation*, **2011**, 41, 1010-35	4.6	19
79	Genetic architecture of circulating lipid levels. *European Journal of Human Genetics*, **2011**, 19, 813-9	5.3	19
78	Accuracy of self-reported family history is strongly influenced by the accuracy of self-reported personal health status of relatives. *Journal of Clinical Epidemiology*, **2012**, 65, 82-9	5.7	18
77	Genetic architecture of open angle glaucoma and related determinants. *Journal of Medical Genetics*, **2011**, 48, 190-6	5.8	18
76	Refining genome-wide linkage intervals using a meta-analysis of genome-wide association studies identifies loci influencing personality dimensions. *European Journal of Human Genetics*, **2013**, 21, 876-82	5.3	17
75	Shared genetic factors in the co-occurrence of symptoms of depression and cardiovascular risk factors. *Journal of Affective Disorders*, **2010**, 122, 247-52	6.6	17
74	Genetic scoring analysis: a way forward in genome wide association studies?. *European Journal of Epidemiology*, **2009**, 24, 585-7	12.1	16
73	Cost-Effectiveness of Risk-Stratified Colorectal Cancer Screening Based on Polygenic Risk: Current Status and Future Potential. *JNCI Cancer Spectrum*, **2020**, 4, pkz086	4.6	16
72	Translational research in genomics of Alzheimer's disease: a review of current practice and future perspectives. *Journal of Alzheimer's Disease*, **2010**, 20, 967-80	4.3	14
71	Strengthening the reporting of genetic risk prediction studies: the GRIPS statement. *BMJ, The*, **2011**, 342, d631	5.9	14
70	Perspectives on the use of multiple sclerosis risk genes for prediction. *PLoS ONE*, **2011**, 6, e26493	3.7	14
69	Cost Effectiveness of Age-Specific Screening Intervals for People With Family Histories of Colorectal Cancer. *Gastroenterology*, **2018**, 154, 105-116.e20	13.3	14
68	The hidden harm behind the return of results from personal genome services: a need for rigorous and responsible evaluation. *Genetics in Medicine*, **2015**, 17, 621-2	8.1	13

67	Role of shared genetic and environmental factors in symptoms of depression and body composition. *Psychiatric Genetics*, **2009**, 19, 32-8	2.9	13
66	No association between the angiotensin-converting enzyme gene and major depression: a case-control study and meta-analysis. *Psychiatric Genetics*, **2006**, 16, 225-6	2.9	13
65	Novel citation-based search method for scientific literature: a validation study. *BMC Medical Research Methodology*, **2020**, 20, 25	4.7	12
64	Evaluation of polygenic risk models using multiple performance measures: a critical assessment of discordant results. *Genetics in Medicine*, **2019**, 21, 391-397	8.1	12
63	Heritability of dietary food intake patterns. *Acta Diabetologica*, **2013**, 50, 721-6	3.9	12
62	Ethnic differences and parental beliefs are important for overweight prevention and management in children: a cross-sectional study in the Netherlands. *BMC Public Health*, **2012**, 12, 867	4.1	12
61	Is the time right for translation research in genomics?. *European Journal of Epidemiology*, **2008**, 23, 707-10	12.1	12
60	Longevity candidate genes and their association with personality traits in the elderly. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2012**, 159B, 192-200	3.5	11
59	Estimating the predictive ability of genetic risk models in simulated data based on published results from genome-wide association studies. *Frontiers in Genetics*, **2014**, 5, 179	4.5	11
58	Strengthening the reporting of Genetic Risk Prediction Studies: the GRIPS statement. *Genetics in Medicine*, **2011**, 13, 453-6	8.1	11
57	HFE gene mutations increase the risk of coronary heart disease in women. *European Journal of Epidemiology*, **2010**, 25, 643-9	12.1	11
56	An Electrocardiogram-Based Risk Equation for Incident Cardiovascular Disease From the National Health and Nutrition Examination Survey. *JAMA Cardiology*, **2016**, 1, 779-786	16.2	11
55	Discriminative accuracy of genomic profiling comparing multiplicative and additive risk models. *European Journal of Human Genetics*, **2011**, 19, 180-5	5.3	10
54	Strengthening the reporting of genetic risk prediction studies (GRIPS): explanation and elaboration. *European Journal of Epidemiology*, **2011**, 26, 313-37	12.1	10
53	Genetic factors influence the clustering of depression among individuals with lower socioeconomic status. *PLoS ONE*, **2009**, 4, e5069	3.7	10
52	Personalizing Breast Cancer Screening Based on Polygenic Risk and Family History. *Journal of the National Cancer Institute*, **2021**, 113, 434-442	9.7	10
51	Strengthening the reporting of genetic risk prediction studies: the GRIPS statement. *European Journal of Epidemiology*, **2011**, 26, 255-9	12.1	9
50	An empirical comparison of meta-analyses of published gene-disease associations versus consortium analyses. *Genetics in Medicine*, **2009**, 11, 153-62	8.1	9

49	Angiotensinogen M235T polymorphism and symptoms of depression in a population-based study and a family-based study. *Psychiatric Genetics*, **2008**, 18, 162-6	2.9	9
48	Apolipoprotein E gene is related to mortality only in normal weight individuals: the Rotterdam Study. *European Journal of Epidemiology*, **2008**, 23, 135-42	12.1	9
47	Constructing Hypothetical Risk Data from the Area under the ROC Curve: Modelling Distributions of Polygenic Risk. *PLoS ONE*, **2016**, 11, e0152359	3.7	9
46	Small improvement in the area under the receiver operating characteristic curve indicated small changes in predicted risks. *Journal of Clinical Epidemiology*, **2016**, 79, 159-164	5.7	8
45	Prediction impact curve is a new measure integrating intervention effects in the evaluation of risk models. *Journal of Clinical Epidemiology*, **2016**, 69, 89-95	5.7	8
44	Incremental value of rare genetic variants for the prediction of multifactorial diseases. *Genome Medicine*, **2013**, 5, 76	14.4	8
43	Predictive genetic testing for the identification of high-risk groups: a simulation study on the impact of predictive ability. *Genome Medicine*, **2011**, 3, 51	14.4	8
42	Strengthening the reporting of Genetic RIsk Prediction Studies (GRIPS): explanation and elaboration. *Journal of Clinical Epidemiology*, **2011**, 64, e1-e22	5.7	8
41	Towards predictive genetic testing of complex diseases. *European Journal of Epidemiology*, **2006**, 21, 869-70	12.1	8
40	Designing babies through gene editing: science or science fiction?. *Genetics in Medicine*, **2016**, 18, 1186-1187	8.8	8
39	Scientific reporting is suboptimal for aspects that characterize genetic risk prediction studies: a review of published articles based on the Genetic RIsk Prediction Studies statement. *Journal of Clinical Epidemiology*, **2014**, 67, 487-99	5.7	7
38	Proprietary Algorithms for Polygenic Risk: Protecting Scientific Innovation or Hiding the Lack of It?. *Genes*, **2019**, 10,	4.2	6
37	How attitudes research contributes to overoptimistic expectations of personal genome testing. *American Journal of Bioethics*, **2009**, 9, 23-5	1.1	6
36	Value of the HLA-DRB1 shared epitope for predicting radiographic damage in rheumatoid arthritis depends on the individual patient risk profile. *Journal of Rheumatology*, **2006**, 33, 2383-9	4.1	6
35	How the Intended Use of Polygenic Risk Scores Guides the Design and Evaluation of Prediction Studies. *Current Epidemiology Reports*, **2019**, 6, 184-190	2.9	5
34	External validation is only needed when prediction models are worth it (Letter commenting on: J Clin Epidemiol. 2015;68:25-34). *Journal of Clinical Epidemiology*, **2016**, 69, 249-50	5.7	5
33	Strengthening the reporting of genetic risk prediction studies: the GRIPS statement. *Genome Medicine*, **2011**, 3, 16	14.4	5
32	Strengthening the reporting of genetic risk prediction studies: the GRIPS statement. *European Journal of Human Genetics*, **2011**, 19, 833-6	5.3	5

31	Critical examination of current response shift methods and proposal for advancing new methods. *Quality of Life Research*, **2021**, 30, 3325-3342	3.7	5
30	Uninformed consent in nutrigenomic research. *European Journal of Human Genetics*, **2017**, 25, 789-790	5.3	4
29	ROC curves for clinical prediction models part 2. The ROC plot: the picture that could be worth a 1000 words. *Journal of Clinical Epidemiology*, **2020**, 126, 217-219	5.7	4
28	Strengthening the reporting of genetic risk prediction studies (GRIPS): explanation and elaboration. *European Journal of Human Genetics*, **2011**, 19, 18 p preceding 494	5.3	4
27	Analytical and simulation methods for estimating the potential predictive ability of genetic profiling: a comparison of methods and results. *European Journal of Human Genetics*, **2012**, 20, 1270-4	5.3	4
26	Three Genome-wide Association Studies and a Linkage Analysis Identify HERC2 as a Human Iris Color Gene. *American Journal of Human Genetics*, **2008**, 82, 801	11	4
25	Improving reporting standards for polygenic scores in risk prediction studies		4
24	Five genetic variants associated with prostate cancer. *New England Journal of Medicine*, **2008**, 358, 2739; author reply 2741	59.2	4
23	Returning pharmacogenetic secondary findings from genome sequencing: let's not put the cart before the horse. *Genetics in Medicine*, **2015**, 17, 854-6	8.1	3
22	Quality criteria for health checks: development of a European consensus agreement. *Preventive Medicine*, **2014**, 67, 238-41	4.3	3
21	Ethnicity, educational level and attitudes contribute to parental intentions about genetic testing for child obesity. *Journal of Community Genetics*, **2013**, 4, 243-50	2.5	3
20	Raw data: access to inaccuracy. *Science*, **2014**, 343, 968	33.3	2
19	Strengthening the reporting of Genetic RIsk Prediction Studies: the GRIPS Statement. *Journal of Clinical Epidemiology*, **2011**, 64, 843-7	5.7	2
18	Carriage of reduced-function CYP2C19 allele among patients treated with clopidogrel. *JAMA - Journal of the American Medical Association*, **2011**, 305, 467-8; author reply 468	27.4	2
17	Reply to Stephan et´al.. *American Journal of Human Genetics*, **2008**, 83, 131	11	2
16	Divorce and unemployment in multiple sclerosis: recalculation of the data of Morales-Gonzles J M, Benito-Leon J, Rivera-Navarro J and Mitchell A J. *Multiple Sclerosis Journal*, **2004**, 10, 716; author reply 717	5	2
15	Finding Wealth in Waste: Irreplicability Re-Examined. *BioEssays*, **2018**, 40, e1800173	4.1	2
14	Direct-to-Consumer Genetic Testing **2019**, 89-101		1

13	Risk Analysis of Prostate Cancer in PRACTICAL Consortium-Letter. *Cancer Epidemiology Biomarkers and Prevention*, **2016**, 25, 222	4	1
12	Strengthening the reporting of genetic risk prediction studies: the GRIPS statement. *Circulation: Cardiovascular Genetics*, **2011**, 4, 206-9		1
11	Cholesteryl ester transfer protein gene and coronary heart disease mortality: the Rotterdam study. *Journal of the American Geriatrics Society*, **2007**, 55, 1483-4	5.6	1
10	Do we measure or compute polygenic risk scores? Why language matters. *Human Genetics*, **2021**, 1	6.3	1
9	Predictive or not predictive: understanding the mixed messages from the patient's DNA sequence. *Journal of Clinical Nursing*, **2015**, 24, 3730-5	3.2	0
8	It is time to get real when trying to predict educational performance. *ELife*, **2020**, 9,	8.9	0
7	ROC curves for clinical prediction models part 4. Selection of the risk threshold-once chosen, always the same?. *Journal of Clinical Epidemiology*, **2020**, 126, 224-225	5.7	
6	The Value of Genetic Variation in the Prediction of Obesity **2016**, 441-462		
5	Response to letter Dr Gail. *Journal of Clinical Epidemiology*, **2017**, 85, 70-71	5.7	
4	Two Authors Reply. *American Journal of Epidemiology*, **2011**, 173, 714-715	3.8	
3	Reply to Disease risks derived from genetic variants need clinical context *Genetics in Medicine*, **2010**, 12, 56-57	8.1	
2	Defining Evidence for Precision Medicine: A Patient Is More Than a Set of Covariates. *Epidemiology*, **2019**, 30, 342-344	3.1	
1	Lowering the P Value Threshold. *JAMA - Journal of the American Medical Association*, **2018**, 320, 936-937	27.4	