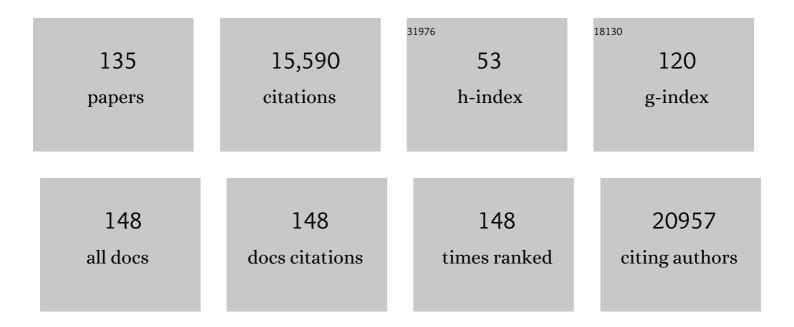
Colin Gn Turnbull

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	FT Protein Movement Contributes to Long-Distance Signaling in Floral Induction of Arabidopsis. Science, 2007, 316, 1030-1033.	12.6	1,855
2	Large-scale genotyping identifies 41 new loci associated with breast cancer risk. Nature Genetics, 2013, 45, 353-361.	21.4	960
3	Breast-Cancer Risk in Families with Mutations in <i>PALB2</i> . New England Journal of Medicine, 2014, 371, 497-506.	27.0	745
4	Genome-wide association study identifies five new breast cancer susceptibility loci. Nature Genetics, 2010, 42, 504-507.	21.4	653
5	CONSTANS acts in the phloem to regulate a systemic signal that induces photoperiodic flowering of Arabidopsis. Development (Cambridge), 2004, 131, 3615-3626.	2.5	573
6	Genome-wide association analysis of more than 120,000 individuals identifies 15 new susceptibility loci for breast cancer. Nature Genetics, 2015, 47, 373-380.	21.4	513
7	MAX1 Encodes a Cytochrome P450 Family Member that Acts Downstream of MAX3/4 to Produce a Carotenoid-Derived Branch-Inhibiting Hormone. Developmental Cell, 2005, 8, 443-449.	7.0	481
8	Germline mutations in RAD51D confer susceptibility to ovarian cancer. Nature Genetics, 2011, 43, 879-882.	21.4	460
9	Prediction of Breast Cancer Risk Based on Profiling With Common Genetic Variants. Journal of the National Cancer Institute, 2015, 107, .	6.3	428
10	Arabidopsissystemic immunity uses conserved defense signaling pathways and is mediated by jasmonates. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1075-1080.	7.1	384
11	Effect of delays in the 2-week-wait cancer referral pathway during the COVID-19 pandemic on cancer survival in the UK: a modelling study. Lancet Oncology, The, 2020, 21, 1035-1044.	10.7	359
12	The Pea TCP Transcription Factor PsBRC1 Acts Downstream of Strigolactones to Control Shoot Branching Â. Plant Physiology, 2012, 158, 225-238.	4.8	348
13	Micrografting techniques for testing long-distance signalling inArabidopsis. Plant Journal, 2002, 32, 255-262.	5.7	334
14	Variants near DMRT1, TERT and ATF7IP are associated with testicular germ cell cancer. Nature Genetics, 2010, 42, 604-607.	21.4	320
15	An histidine covalent receptor and butenolide complex mediates strigolactone perception. Nature Chemical Biology, 2016, 12, 787-794.	8.0	244
16	Genetic Predisposition to Breast Cancer: Past, Present, and Future. Annual Review of Genomics and Human Genetics, 2008, 9, 321-345.	6.2	233
17	Estimated impact of the COVID-19 pandemic on cancer services and excess 1-year mortality in people with cancer and multimorbidity: near real-time data on cancer care, cancer deaths and a population-based cohort study. BMJ Open, 2020, 10, e043828.	1.9	233
18	Germline RAD51C mutations confer susceptibility to ovarian cancer. Nature Genetics, 2012, 44, 475-476.	21.4	219

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19	Mosaic PPM1D mutations are associated with predisposition to breast and ovarian cancer. Nature, 2013, 493, 406-410.	27.8	218
20	Regulation of Carotenoid Composition and Shoot Branching in <i>Arabidopsis</i> by a Chromatin Modifying Histone Methyltransferase, SDG8. Plant Cell, 2009, 21, 39-53.	6.6	207
21	Genetic predisposition to mosaic Y chromosome loss in blood. Nature, 2019, 575, 652-657.	27.8	198
22	Mutational Analysis of Branching in Pea. Evidence ThatRms1 and Rms5 Regulate the Same Novel Signal. Plant Physiology, 2001, 126, 1205-1213.	4.8	196
23	Personalized early detection and prevention of breast cancer: ENVISION consensus statement. Nature Reviews Clinical Oncology, 2020, 17, 687-705.	27.6	178
24	Whole-exome sequencing reveals the mutational spectrum of testicular germ cell tumours. Nature Communications, 2015, 6, 5973.	12.8	161
25	Long-Distance Signaling and the Control of Branching in therms1 Mutant of Pea. Plant Physiology, 2001, 126, 203-209.	4.8	158
26	Auxin Inhibition of Decapitation-Induced Branching Is Dependent on Graft-Transmissible Signals Regulated by Genes Rms1 andRms2. Plant Physiology, 2000, 123, 689-698.	4.8	150
27	Cell-Type-Specific Cytokinin Distribution within the Arabidopsis Primary Root Apex. Plant Cell, 2015, 27, 1955-1967.	6.6	143
28	Genomic evolution and chemoresistance in germ-cell tumours. Nature, 2016, 540, 114-118.	27.8	139
29	Cost-effectiveness of Population-Based BRCA1, BRCA2, RAD51C, RAD51D, BRIP1, PALB2 Mutation Testing in Unselected General Population Women. Journal of the National Cancer Institute, 2018, 110, 714-725.	6.3	138
30	Divergent metabolome and proteome suggest functional independence of dual phloem transport systems in cucurbits. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13532-13537.	7.1	136
31	Nitrate modulates stem cell dynamics in <i>Arabidopsis</i> shoot meristems through cytokinins. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1382-1387.	7.1	134
32	A fluorescent hormone biosensor reveals the dynamics of jasmonate signalling in plants. Nature Communications, 2015, 6, 6043.	12.8	130
33	Long-distance regulation of flowering time. Journal of Experimental Botany, 2011, 62, 4399-4413.	4.8	120
34	Identification of 19 new risk loci and potential regulatory mechanisms influencing susceptibility to testicular germ cell tumor. Nature Genetics, 2017, 49, 1133-1140.	21.4	120
35	Ovarian and Breast Cancer Risks Associated With Pathogenic Variants in <i>RAD51C</i> and <i>RAD51D</i> . Journal of the National Cancer Institute, 2020, 112, 1242-1250.	6.3	106
36	Meta-analysis of five genome-wide association studies identifies multiple new loci associated with testicular germ cell tumor. Nature Genetics, 2017, 49, 1141-1147.	21.4	105

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37	Feedback Regulation of Xylem Cytokinin Content Is Conserved in Pea and Arabidopsis. Plant Physiology, 2007, 143, 1418-1428.	4.8	102
38	Rapid increases in cytokinin concentration in lateral buds of chickpea (Cicer arietinum L.) during release of apical dominance. Planta, 1997, 202, 271-276.	3.2	101
39	Cancer genetics, precision prevention and a call to action. Nature Genetics, 2018, 50, 1212-1218.	21.4	94
40	Arabidopsis Auxin Mutants Are Compromised in Systemic Acquired Resistance and Exhibit Aberrant Accumulation of Various Indolic Compounds. Plant Physiology, 2010, 152, 1562-1573.	4.8	93
41	Identification of four novel susceptibility loci for oestrogen receptor negative breast cancer. Nature Communications, 2016, 7, 11375.	12.8	93
42	Consensus for genes to be included on cancer panel tests offered by UK genetics services: guidelines of the UK Cancer Genetics Group. Journal of Medical Genetics, 2018, 55, 372-377.	3.2	88
43	The influence of supra-optimal root-zone temperatures on growth and stomatal conductance in Capsicum annuum L. Journal of Experimental Botany, 2000, 51, 239-248.	4.8	86
44	Techno-economic potential of bioethanol from bamboo in China. Biotechnology for Biofuels, 2013, 6, 173.	6.2	83
45	The genomic landscape of testicular germ cell tumours: from susceptibility to treatment. Nature Reviews Urology, 2016, 13, 409-419.	3.8	83
46	Heavy traffic in the fast lane: longâ€distance signalling by macromolecules. New Phytologist, 2013, 198, 33-51.	7.3	82
47	Clinical practice guidelines for BRCA1 and BRCA2 genetic testing. European Journal of Cancer, 2021, 146, 30-47.	2.8	81
48	Assessment of polygenic architecture and risk prediction based on common variants across fourteen cancers. Nature Communications, 2020, 11, 3353.	12.8	75
49	The control of bud dormancy in potato tubers. Planta, 1985, 165, 359-365.	3.2	74
50	A genome-wide association study identifies susceptibility loci for Wilms tumor. Nature Genetics, 2012, 44, 681-684.	21.4	72
51	Cost-effectiveness of population based BRCA testing with varying Ashkenazi Jewish ancestry. American Journal of Obstetrics and Gynecology, 2017, 217, 578.e1-578.e12.	1.3	63
52	Rhythmic emission of floral volatiles from Rosa damascena semperflorens cv. ?Quatre Saisons?. Planta, 2004, 219, 468-78.	3.2	60
53	Prioritisation by FIT to mitigate the impact of delays in the 2-week wait colorectal cancer referral pathway during the COVID-19 pandemic: a UK modelling study. Gut, 2021, 70, 1053-1060.	12.1	57
54	Effects of Cross-pollination and Flower Removal on Fruit Set in Macadamia. Annals of Botany, 1994, 73, 23-32.	2.9	55

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55	Quantification of Cyanogenic Glycosides in Seedlings of Three Macadamia (Proteaceae) Species. Australian Journal of Botany, 1995, 43, 619.	0.6	55
56	Quantifying the heritability of testicular germ cell tumour using both population-based and genomic approaches. Scientific Reports, 2015, 5, 13889.	3.3	55
57	The control of bud dormancy in potato tubers. Measurement of the seasonal pattern of changing concentrations of zeatin-cytokinins. Planta, 1985, 165, 366-376.	3.2	54
58	Large-scale Sequencing of Testicular Germ Cell Tumour (TGCT) Cases Excludes Major TGCT Predisposition Gene. European Urology, 2018, 73, 828-831.	1.9	54
59	Fruit Set, Abscission and Dry Matter Accumulation on Girdled Branches of Macadamia. Annals of Botany, 1994, 74, 667-674.	2.9	52
60	Genome-wide association study of germline variants and breast cancer-specific mortality. British Journal of Cancer, 2019, 120, 647-657.	6.4	52
61	Measuring and Modelling Whole-Tree Gas Exchange. Functional Plant Biology, 1995, 22, 987.	2.1	49
62	Biogenesis of 2-Phenylethanol in Rose Flowers: Incorporation of [2H8]L-Phenylalanine into 2-Phenylethanol and its β-D-…. Bioscience, Biotechnology and Biochemistry, 2002, 66, 943-947.	1.3	49
63	Effects of nitrogen supply on xylem cytokinin delivery, transpiration and leaf expansion of pea genotypes differing in xylem-cytokinin concentration. Functional Plant Biology, 2004, 31, 903.	2.1	49
64	MicroRNA Related Polymorphisms and Breast Cancer Risk. PLoS ONE, 2014, 9, e109973.	2.5	49
65	Two new loci and gene sets related to sex determination and cancer progression are associated with susceptibility to testicular germ cell tumor. Human Molecular Genetics, 2015, 24, 4138-4146.	2.9	49
66	Cell-surface receptors enable perception of extracellular cytokinins. Nature Communications, 2020, 11, 4284.	12.8	47
67	Conditional Auxin Response and Differential Cytokinin Profiles in Shoot Branching Mutants Â. Plant Physiology, 2014, 165, 1723-1736.	4.8	46
68	Pan-cancer Analysis of Homologous Recombination Repair–associated Gene Alterations and Genome-wide Loss-of-Heterozygosity Score. Clinical Cancer Research, 2022, 28, 1412-1421.	7.0	46
69	Relationships between kernel oil content, fruit removal force and abscission in macadamia Australian Journal of Experimental Agriculture, 2000, 40, 859.	1.0	45
70	Current detection rates and time-to-detection of all identifiable <i>BRCA</i> carriers in the Greater London population. Journal of Medical Genetics, 2018, 55, 538-545.	3.2	45
71	Genomic landscape of platinum resistant and sensitive testicular cancers. Nature Communications, 2020, 11, 2189.	12.8	43
72	Gene–gene interactions in breast cancer susceptibility. Human Molecular Genetics, 2012, 21, 958-962.	2.9	41

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73	p.Val804Met, the Most Frequent Pathogenic Mutation in RET, Confers a Very Low Lifetime Risk of Medullary Thyroid Cancer. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 4275-4282.	3.6	39
74	Will polygenic risk scores for cancer ever be clinically useful?. Npj Precision Oncology, 2021, 5, 40.	5.4	37
75	Identification of four new susceptibility loci for testicular germ cell tumour. Nature Communications, 2015, 6, 8690.	12.8	36
76	Arbuscular mycorrhizal fungi promote coexistence and niche divergence of sympatric palm species on a remote oceanic island. New Phytologist, 2018, 217, 1254-1266.	7.3	36
77	Spatial and temporal changes in multiple hormone groups during lateral bud release shortly following apex decapitation of chickpea (Cicer arietinum) seedlings. Physiologia Plantarum, 2003, 119, 295-308.	5.2	35
78	Weekly COVID-19 testing with household quarantine and contact tracing is feasible and would probably end the epidemic. Royal Society Open Science, 2020, 7, 200915.	2.4	35
79	Conversion of [14C]gibberellin A12-aldehyde to C19- and C20-gibberellins in a cell-free system from immature seed of Phaseolus coccineus L Planta, 1985, 165, 108-113.	3.2	33
80	Rare disruptive mutations in ciliary function genes contribute to testicular cancer susceptibility. Nature Communications, 2016, 7, 13840.	12.8	32
81	Towards controlled terminology for reporting germline cancer susceptibility variants: an ENIGMA report. Journal of Medical Genetics, 2019, 56, 347-357.	3.2	32
82	Germline and Somatic Genetic Variants in the p53 Pathway Interact to Affect Cancer Risk, Progression, and Drug Response. Cancer Research, 2021, 81, 1667-1680.	0.9	32
83	Multi-stage genome-wide association study identifies new susceptibility locus for testicular germ cell tumour on chromosome 3q25. Human Molecular Genetics, 2015, 24, 1169-1176.	2.9	31
84	Identification of independent association signals and putative functional variants for breast cancer risk through fine-scale mapping of the 12p11 locus. Breast Cancer Research, 2016, 18, 64.	5.0	31
85	Emission of 2-phenylethanol from its β-d-glucopyranoside and the biogenesis of these compounds from [2H8] l-phenylalanine in rose flowers. Tetrahedron, 2004, 60, 7005-7013.	1.9	30
86	Pea aphid biotype performance on diverse <i>Medicago</i> host genotypes indicates highly specific virulence and resistance functions. Bulletin of Entomological Research, 2014, 104, 689-701.	1.0	30
87	Cancer Variant Interpretation Group UK (CanVIG-UK): an exemplar national subspecialty multidisciplinary network. Journal of Medical Genetics, 2020, 57, 829-834.	3.2	30
88	A network analysis to identify mediators of germline-driven differences in breast cancer prognosis. Nature Communications, 2020, 11, 312.	12.8	30
89	HPLC-based methods for the identification of gibberellin conjugates: Metabolism of [3H]gibberellin A4 in seedlings of Phaseolus coccineus. Phytochemistry, 1986, 25, 1823-1828.	2.9	29
90	Ecological speciation in sympatric palms: 1. Gene expression, selection and pleiotropy. Journal of Evolutionary Biology, 2016, 29, 1472-1487.	1.7	29

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91	Pathway-based analysis of GWAs data identifies association of sex determination genes with susceptibility to testicular germ cell tumors. Human Molecular Genetics, 2014, 23, 6061-6068.	2.9	28
92	Combining evidence for and against pathogenicity for variants in cancer susceptibility genes: CanVIG-UK consensus recommendations. Journal of Medical Genetics, 2021, 58, 297-304.	3.2	28
93	A genetic map of macadamia based on randomly amplified DNA fingerprinting (RAF) markers. Euphytica, 2003, 134, 17-26.	1.2	27
94	Ethephon promotion of crop abscission for unshaken and mechanically shaken macadamia. Australian Journal of Experimental Agriculture, 2002, 42, 1001.	1.0	27
95	A member of the <i>TERMINAL FLOWER 1/CENTRORADIALIS</i> gene family controls sprout growth in potato tubers. Journal of Experimental Botany, 2019, 70, 835-843.	4.8	26
96	Routes of Ethephon Uptake in Pineapple (Ananas comosus) and Reasons for Failure of Flower Induction. Journal of Plant Growth Regulation, 1999, 18, 145-152.	5.1	25
97	Mendelian randomisation study of the relationship between vitamin D and risk of glioma. Scientific Reports, 2018, 8, 2339.	3.3	23
98	Root growth, cytokinin and shoot dormancy in lychee (Litchi chinensis Sonn.). Scientia Horticulturae, 2004, 102, 257-266.	3.6	21
99	Grafting as a Research Tool. Methods in Molecular Biology, 2010, 655, 11-26.	0.9	21
100	Mendelian randomization provides support for obesity as a risk factor for meningioma. Scientific Reports, 2019, 9, 309.	3.3	21
101	Large-scale Analysis Demonstrates Familial Testicular Cancer to have Polygenic Aetiology. European Urology, 2018, 74, 248-252.	1.9	20
102	Identification and quantitative analysis of gibberellins inCitrus. Journal of Plant Growth Regulation, 1989, 8, 273-282.	5.1	19
103	Comparative proteomics of cucurbit phloem indicates both unique and shared sets of proteins. Plant Journal, 2016, 88, 633-647.	5.7	19
104	Transport and metabolism of xylem cytokinins during lateral bud release in decapitated chickpea (Cicer arietinum) seedlings. Physiologia Plantarum, 2003, 117, 118-129.	5.2	18
105	Primrose syndrome: Characterization of the phenotype in 42 patients. Clinical Genetics, 2020, 97, 890-901.	2.0	18
106	Additional Signalling Compounds are Required to Orchestrate Plant Development. Journal of Plant Growth Regulation, 2003, 22, 15-24.	5.1	17
107	Speciation in Howea Palms Occurred in Sympatry, Was Preceded by Ancestral Admixture, and Was Associated with Edaphic and Phenological Adaptation. Molecular Biology and Evolution, 2019, 36, 2682-2697.	8.9	17
108	Metabolism of [1,2-3H]gibberellin A4 by epicotyls and cell-free preparations from Phaseolus coccineus L. seedlings. Planta, 1989, 178, 267-274.	3.2	16

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109	Influence of gibberellin treatment on flowering and fruiting patterns in mango. Australian Journal of Experimental Agriculture, 1996, 36, 603.	1.0	15
110	Grafting. , 2006, 323, 39-44.		13
111	Ecological speciation in sympatric palms: 3. Genetic map reveals genomic islands underlying species divergence in <i>Howea</i> . Evolution; International Journal of Organic Evolution, 2019, 73, 1986-1995.	2.3	13
112	Transcriptome and phytohormone changes associated with ethylene-induced onion bulb dormancy. Postharvest Biology and Technology, 2020, 168, 111267.	6.0	13
113	Mutation and association analysis of GEN1 in breast cancer susceptibility. Breast Cancer Research and Treatment, 2010, 124, 283-288.	2.5	12
114	Biosynthesis of gibberellin A12-aldehyde, gibberellin A12 and their kaurenoid precursors from [14C]mevalonic acid in a cell-free system from immature seed of Phaseolus coccineus. Phytochemistry, 1985, 25, 97-101.	2.9	11
115	Sequencing advances understanding. Nature Reviews Urology, 2018, 15, 79-80.	3.8	11
116	Polygenic susceptibility to testicular cancer: implications for personalised health care. British Journal of Cancer, 2015, 113, 1512-1518.	6.4	10
117	Subphenotype meta-analysis of testicular cancer genome-wide association study data suggests a role for RBFOX family genes in cryptorchidism susceptibility. Human Reproduction, 2018, 33, 967-977.	0.9	10
118	Cryptic Virulence and Avirulence Alleles Revealed by Controlled Sexual Recombination in Pea Aphids. Genetics, 2015, 199, 581-593.	2.9	9
119	Concern regarding classification of germline <i>TP53</i> variants as likely pathogenic. Human Mutation, 2019, 40, 828-831.	2.5	8
120	Grafting in Arabidopsis. Methods in Molecular Biology, 2014, 1062, 155-163.	0.9	8
121	Validation of loci at 2q14.2 and 15q21.3 as risk factors for testicular cancer. Oncotarget, 2018, 9, 12630-12638.	1.8	8
122	Plasticity of bud outgrowth varies at cauline and rosette nodes in <i>Arabidopsis thaliana</i> . Plant Physiology, 2022, 188, 1586-1603.	4.8	7
123	Combining conventional QTL analysis and whole-exome capture-based bulk-segregant analysis provides new genetic insights into tuber sprout elongation and dormancy release in a diploid potato population. Heredity, 2021, 127, 253-265.	2.6	5
124	Quantifying prediction of pathogenicity for within-codon concordance (PM5) using 7541 functional classifications of BRCA1 and MSH2 missense variants. Genetics in Medicine, 2022, 24, 552-563.	2.4	5
125	Quantifying evidence toward pathogenicity for rare phenotypes: The case of succinate dehydrogenase genes, SDHB and SDHD. Genetics in Medicine, 2022, 24, 41-50.	2.4	5
126	Effects of photoperiod and paclobutrazol on growth dynamics of petioles in strawberry (Fragaria ×) Tj ETQq(0 0 0 rgBT /(Overlock 10 Tf

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127	Structural Aberrations with Secondary Implications (SASIs): consensus recommendations for reporting of cancer susceptibility genes identified during analysis of Copy Number Variants (CNVs). Journal of Medical Genetics, 2019, 56, 718-726.	3.2	4
128	UK recommendations for <i>SDHA</i> germline genetic testing and surveillance in clinical practice. Journal of Medical Genetics, 2023, 60, 107-111.	3.2	4
129	Endogenous gibberellin content does not correlate with photoperiod-induced growth changes in strawberry petioles. Functional Plant Biology, 1999, 26, 359.	2.1	3
130	Cucurbit extrafascicular phloem has strong negative impacts on aphids and is not a preferred feeding site. Plant, Cell and Environment, 2017, 40, 2780-2789.	5.7	3
131	Response to Letter to the Editor: "p.Val804Met, the Most Frequent Pathogenic Mutation in RET, Confers a Very Low Lifetime Risk of Medullary Thyroid Cancerâ€r Journal of Clinical Endocrinology and Metabolism, 2018, 103, 3518-3519.	3.6	3
132	Peridiagnostic and cascade cancer genetic testing. Nature Reviews Clinical Oncology, 2020, 17, 277-278.	27.6	2
133	Genetically Inferred Telomere Length and Testicular Germ Cell Tumor Risk. Cancer Epidemiology Biomarkers and Prevention, 2021, 30, 1275-1278.	2.5	2
134	Developing a new variety of kentia palms (<i>Howea forsteriana</i>): up-regulation of cytochrome b561 and chalcone synthase is associated with red colouration of the stems. Botany Letters, 2018, 165, 241-247.	1.4	0
135	How to build an effective research network: lessons from two decades of the GARNet plant science community. Journal of Experimental Botany, 2020, 71, 6881-6889.	4.8	0