Colin Gn Turnbull

List of Publications by Year
in descending order

135	15,590	31976	18130
papers	citations	53 h-index	120 g-index

148	148	148	20957
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	UK recommendations forSDHAgermline genetic testing and surveillance in clinical practice. Journal of Medical Genetics, 2023, 60, 107-111.	3.2	4
2	Pan-cancer Analysis of Homologous Recombination Repairâ€“associated Gene Alterations and Genome-wide Loss-of-Heterozygosity Score. Clinical Cancer Research, 2022, 28, 1412-1421.	7.0	46
3	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
4	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
5	Plasticity of bud outgrowth varies at cauline and rosette nodes in Arabidopsis thaliana. Plant Physiology, 2022, 188, 1586-1603.	4.8	7
6	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
7	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
8	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
9	Genetically Inferred Telomere Length and Testicular Germ Cell Tumor Risk. Cancer Epidemiology Biomarkers and Prevention, 2021, 30, 1275-1278.	2.5	2
10	Clinical practice guidelines for BRCA1 and BRCA2 genetic testing. European Journal of Cancer, 2021, 146, 30-47.	2.8	81
11	Will polygenic risk scores for cancer ever be clinically useful?. Npj Precision Oncology, 2021, 5, 40.	5.4	37
12	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
13	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
14	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
15	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
16	Cell-surface receptors enable perception of extracellular cytokinins. Nature Communications, 2020, 11, 4284.	12.8	47
17	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
18	Genomic landscape of platinum resistant and sensitive testicular cancers. Nature Communications, 2020, 11, 2189.	12.8	43

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19	Cancer Variant Interpretation Group UK (CanVIG-UK): an exemplar national subspecialty multidisciplinary network. Journal of Medical Genetics, 2020, 57, 829-834.	3.2	30
20	Transcriptome and phytohormone changes associated with ethylene-induced onion bulb dormancy. Postharvest Biology and Technology, 2020, 168, 111267.	6.0	13
21	Personalized early detection and prevention of breast cancer: ENVISION consensus statement. Nature Reviews Clinical Oncology, 2020, 17, 687-705.	27.6	178
22	Peridiagnostic and cascade cancer genetic testing. Nature Reviews Clinical Oncology, 2020, 17, 277-278.	27.6	2
23	Assessment of polygenic architecture and risk prediction based on common variants across fourteen cancers. Nature Communications, 2020, 11, 3353.	12.8	75
24	Ovarian and Breast Cancer Risks Associated With Pathogenic Variants in RAD51C and RAD51D. Journal of the National Cancer Institute, 2020, 112, 1242-1250.	6.3	106
25	A network analysis to identify mediators of germline-driven differences in breast cancer prognosis. Nature Communications, 2020, 11, 312.	12.8	30
26	Primrose syndrome: Characterization of the phenotype in 42 patients. Clinical Genetics, 2020, 97, 890-901.	2.0	18
27	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
28	Ecological speciation in sympatric palms: 3. Genetic map reveals genomic islands underlying species divergence in Howea. Evolution; International Journal of Organic Evolution, 2019, 73, 1986-1995.	2.3	13
29	Mendelian randomization provides support for obesity as a risk factor for meningioma. Scientific Reports, 2019, 9, 309.	3.3	21
30	Towards controlled terminology for reporting germline cancer susceptibility variants: an ENIGMA report. Journal of Medical Genetics, 2019, 56, 347-357.	3.2	32
31	Concern regarding classification of germline TP53 variants as likely pathogenic. Human Mutation, 2019, 40, 828-831.	2.5	8
32	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
33	Genome-wide association study of germline variants and breast cancer-specific mortality. British Journal of Cancer, 2019, 120, 647-657.	6.4	52
34	Genetic predisposition to mosaic Y chromosome loss in blood. Nature, 2019, 575, 652-657.	27.8	198
35	A member of the TERMINAL FLOWER 1/CENTRORADIALIS gene family controls sprout growth in potato tubers. Journal of Experimental Botany, 2019, 70, 835-843.	4.8	26
36	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

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37	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
38	Current detection rates and time-to-detection of all identifiable BRCA carriers in the Greater London population. Journal of Medical Genetics, 2018, 55, 538-545.	3.2	45
39	Large-scale Sequencing of Testicular Germ Cell Tumour (TGCT) Cases Excludes Major TGCT Predisposition Gene. European Urology, 2018, 73, 828-831.	1.9	54
40	Mendelian randomisation study of the relationship between vitamin D and risk of glioma. Scientific Reports, 2018, 8, 2339.	3.3	23
41	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
42	Nitrate modulates stem cell dynamics in Arabidopsis shoot meristems through cytokinins. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1382-1387.	7.1	134
43	Sequencing advances understanding. Nature Reviews Urology, 2018, 15, 79-80.	3.8	11
44	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
45	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
46	Response to Letter to the Editor: â€œp.Val804Met, the Most Frequent Pathogenic Mutation in RET, Confers a Very Low Lifetime Risk of Medullary Thyroid Cancerâ€• Journal of Clinical Endocrinology and Metabolism, 2018, 103, 3518-3519.	3.6	3
47	Cancer genetics, precision prevention and a call to action. Nature Genetics, 2018, 50, 1212-1218.	21.4	94
48	Large-scale Analysis Demonstrates Familial Testicular Cancer to have Polygenic Aetiology. European Urology, 2018, 74, 248-252.	1.9	20
49	Developing a new variety of kentia palms (Howea forsteriana): 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
50	Validation of loci at 2q14.2 and 15q21.3 as risk factors for testicular cancer. Oncotarget, 2018, 9, 12630-12638.	1.8	8
51	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
52	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
53	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
54	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

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55	Genomic evolution and chemoresistance in germ-cell tumours. Nature, 2016, 540, 114-118.	27.8	139
56	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
57	Rare disruptive mutations in ciliary function genes contribute to testicular cancer susceptibility. Nature Communications, 2016, 7, 13840.	12.8	32
58	An histidine covalent receptor and butenolide complex mediates strigolactone perception. Nature Chemical Biology, 2016, 12, 787-794.	8.0	244
59	Ecological speciation in sympatric palms: 1. Gene expression, selection and pleiotropy. Journal of Evolutionary Biology, 2016, 29, 1472-1487.	1.7	29
60	Identification of four novel susceptibility loci for oestrogen receptor negative breast cancer. Nature Communications, 2016, 7, 11375.	12.8	93
61	Comparative proteomics of cucurbit phloem indicates both unique and shared sets of proteins. Plant Journal, 2016, 88, 633-647.	5.7	19
62	The genomic landscape of testicular germ cell tumours: from susceptibility to treatment. Nature Reviews Urology, 2016, 13, 409-419.	3.8	83
63	Quantifying the heritability of testicular germ cell tumour using both population-based and genomic approaches. Scientific Reports, 2015, 5, 13889.	3.3	55
64	Prediction of Breast Cancer Risk Based on Profiling With Common Genetic Variants. Journal of the National Cancer Institute, 2015, 107, .	6.3	428
65	Cryptic Virulence and Avirulence Alleles Revealed by Controlled Sexual Recombination in Pea Aphids. Genetics, 2015, 199, 581-593.	2.9	9
66	Polygenic susceptibility to testicular cancer: implications for personalised health care. British Journal of Cancer, 2015, 113, 1512-1518.	6.4	10
67	Whole-exome sequencing reveals the mutational spectrum of testicular germ cell tumours. Nature Communications, 2015, 6, 5973.	12.8	161
68	A fluorescent hormone biosensor reveals the dynamics of jasmonate signalling in plants. Nature Communications, 2015, 6, 6043.	12.8	130
69	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
70	Cell-Type-Specific Cytokinin Distribution within the Arabidopsis Primary Root Apex. Plant Cell, 2015, 27, 1955-1967.	6.6	143
71	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
72	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

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73	Identification of four new susceptibility loci for testicular germ cell tumour. Nature Communications, 2015, 6, 8690.	12.8	36
74	MicroRNA Related Polymorphisms and Breast Cancer Risk. PLoS ONE, 2014, 9, e109973.	2.5	49
75	Conditional Auxin Response and Differential Cytokinin Profiles in Shoot Branching Mutants Â Â Â. Plant Physiology, 2014, 165, 1723-1736.	4.8	46
76	Pea aphid biotype performance on diverseMedicagohost genotypes indicates highly specific virulence and resistance functions. Bulletin of Entomological Research, 2014, 104, 689-701.	1.0	30
77	Breast-Cancer Risk in Families with Mutations in PALB2. New England Journal of Medicine, 2014, 371, 497-506.	27.0	745
78	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
79	Grafting in Arabidopsis. Methods in Molecular Biology, 2014, 1062, 155-163.	0.9	8
80	Techno-economic potential of bioethanol from bamboo in China. Biotechnology for Biofuels, 2013, 6, 173.	6.2	83
81	Mosaic PPM1D mutations are associated with predisposition to breast and ovarian cancer. Nature, 2013, 493, 406-410.	27.8	218
82	Large-scale genotyping identifies 41 new loci associated with breast cancer risk. Nature Genetics, 2013, 45, 353-361.	21.4	960
83	Heavy traffic in the fast lane: longâ€distance signalling by macromolecules. New Phytologist, 2013, 198, 33-51.	7.3	82
84	The Pea TCP Transcription Factor PsBRC1 Acts Downstream of Strigolactones to Control Shoot Branching Â. Plant Physiology, 2012, 158, 225-238.	4.8	348
85	A genome-wide association study identifies susceptibility loci for Wilms tumor. Nature Genetics, 2012, 44, 681-684.	21.4	72
86	Germline RAD51C mutations confer susceptibility to ovarian cancer. Nature Genetics, 2012, 44, 475-476.	21.4	219
87	Geneâ€“gene interactions in breast cancer susceptibility. Human Molecular Genetics, 2012, 21, 958-962.	2.9	41
88	Long-distance regulation of flowering time. Journal of Experimental Botany, 2011, 62, 4399-4413.	4.8	120
89	Germline mutations in RAD51D confer susceptibility to ovarian cancer. Nature Genetics, 2011, 43, 879-882.	21.4	460
90	Mutation and association analysis of GEN1 in breast cancer susceptibility. Breast Cancer Research and Treatment, 2010, 124, 283-288.	2.5	12

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91	Genome-wide association study identifies five new breast cancer susceptibility loci. Nature Genetics, 2010, 42, 504-507.	21.4	653
92	Variants near DMRT1, TERT and ATF7IP are associated with testicular germ cell cancer. Nature Genetics, 2010, 42, 604-607.	21.4	320
93	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
94	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
95	Grafting as a Research Tool. Methods in Molecular Biology, 2010, 655, 11-26.	0.9	21
96	Regulation of Carotenoid Composition and Shoot Branching inArabidopsisby a Chromatin Modifying Histone Methyltransferase, SDG8. Plant Cell, 2009, 21, 39-53.	6.6	207
97	Genetic Predisposition to Breast Cancer: Past, Present, and Future. Annual Review of Genomics and Human Genetics, 2008, 9, 321-345.	6.2	233
98	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
99	Feedback Regulation of Xylem Cytokinin Content Is Conserved in Pea and Arabidopsis. Plant Physiology, 2007, 143, 1418-1428.	4.8	102
100	FT Protein Movement Contributes to Long-Distance Signaling in Floral Induction of Arabidopsis. Science, 2007, 316, 1030-1033.	12.6	1,855
101	Grafting. , 2006, 323, 39-44.		13
102	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
103	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
104	Rhythmic emission of floral volatiles from Rosa damascena semperflorens cv. ?Quatre Saisons?. Planta, 2004, 219, 468-78.	3.2	60
105	Emission of 2-phenylethanol from its Î²-d-glucopyranoside and the biogenesis of these compounds from [2H8] l-phenylalanine in rose flowers. Tetrahedron, 2004, 60, 7005-7013.	1.9	30
106	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
107	Root growth, cytokinin and shoot dormancy in lychee (Litchi chinensis Sonn.). Scientia Horticulturae, 2004, 102, 257-266.	3.6	21
108	A genetic map of macadamia based on randomly amplified DNA fingerprinting (RAF) markers. Euphytica, 2003, 134, 17-26.	1.2	27

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109	Additional Signalling Compounds are Required to Orchestrate Plant Development. Journal of Plant Growth Regulation, 2003, 22, 15-24.	5.1	17
110	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
111	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
112	Biogenesis of 2-Phenylethanol in Rose Flowers: Incorporation of [2H8]L-Phenylalanine into 2-Phenylethanol and its Î²-D-â€¦. Bioscience, Biotechnology and Biochemistry, 2002, 66, 943-947.	1.3	49
113	Micrografting techniques for testing long-distance signalling inArabidopsis. Plant Journal, 2002, 32, 255-262.	5.7	334
114	Ethephon promotion of crop abscission for unshaken and mechanically shaken macadamia. Australian Journal of Experimental Agriculture, 2002, 42, 1001.	1.0	27
115	Long-Distance Signaling and the Control of Branching in therms1 Mutant of Pea. Plant Physiology, 2001, 126, 203-209.	4.8	158
116	Mutational Analysis of Branching in Pea. Evidence ThatRms1 and Rms5 Regulate the Same Novel Signal. Plant Physiology, 2001, 126, 1205-1213.	4.8	196
117	Relationships between kernel oil content, fruit removal force and abscission in macadamia.. Australian Journal of Experimental Agriculture, 2000, 40, 859.	1.0	45
118	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
119	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
120	Effects of photoperiod and paclobutrazol on growth dynamics of petioles in strawberry (Fragaria Ã— Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.1	4
121	Endogenous gibberellin content does not correlate with photoperiod-induced growth changes in strawberry petioles. Functional Plant Biology, 1999, 26, 359.	2.1	3
122	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
123	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
124	Influence of gibberellin treatment on flowering and fruiting patterns in mango. Australian Journal of Experimental Agriculture, 1996, 36, 603.	1.0	15
125	Quantification of Cyanogenic Glycosides in Seedlings of Three Macadamia (Proteaceae) Species. Australian Journal of Botany, 1995, 43, 619.	0.6	55
126	Measuring and Modelling Whole-Tree Gas Exchange. Functional Plant Biology, 1995, 22, 987.	2.1	49

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127	Effects of Cross-pollination and Flower Removal on Fruit Set in Macadamia. Annals of Botany, 1994, 73, 23-32.	2.9	55
128	Fruit Set, Abscission and Dry Matter Accumulation on Girdled Branches of Macadamia. Annals of Botany, 1994, 74, 667-674.	2.9	52
129	Identification and quantitative analysis of gibberellins inCitrus. Journal of Plant Growth Regulation, 1989, 8, 273-282.	5.1	19
130	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
131	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
132	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
133	The control of bud dormancy in potato tubers. Planta, 1985, 165, 359-365.	3.2	74
134	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
135	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