

Trevor A Graham

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2194477/publications.pdf>

Version: 2024-02-01

113
papers

9,033
citations

47006

47
h-index

48315

88
g-index

184
all docs

184
docs citations

184
times ranked

14496
citing authors

#	ARTICLE	IF	CITATIONS
1	A Big Bang model of human colorectal tumor growth. <i>Nature Genetics</i> , 2015, 47, 209-216.	21.4	867
2	Pan-cancer analysis of the extent and consequences of intratumor heterogeneity. <i>Nature Medicine</i> , 2016, 22, 105-113.	30.7	629
3	Gremlin 1 Identifies a Skeletal Stem Cell with Bone, Cartilage, and Reticular Stromal Potential. <i>Cell</i> , 2015, 160, 269-284.	28.9	535
4	Identification of neutral tumor evolution across cancer types. <i>Nature Genetics</i> , 2016, 48, 238-244.	21.4	525
5	Resolving genetic heterogeneity in cancer. <i>Nature Reviews Genetics</i> , 2019, 20, 404-416.	16.3	443
6	An evolutionary perspective on field cancerization. <i>Nature Reviews Cancer</i> , 2018, 18, 19-32.	28.4	316
7	Classifying the evolutionary and ecological features of neoplasms. <i>Nature Reviews Cancer</i> , 2017, 17, 605-619.	28.4	303
8	Forty-Year Analysis of Colonoscopic Surveillance Program for Neoplasia in Ulcerative Colitis: An Updated Overview. <i>American Journal of Gastroenterology</i> , 2015, 110, 1022-1034.	0.4	227
9	Quantification of subclonal selection in cancer from bulk sequencing data. <i>Nature Genetics</i> , 2018, 50, 895-903.	21.4	222
10	Quantification of Crypt and Stem Cell Evolution in the Normal and Neoplastic Human Colon. <i>Cell Reports</i> , 2014, 8, 940-947.	6.4	179
11	Clonality, Founder Mutations, and Field Cancerization in Human Ulcerative Colitis-Associated Neoplasia. <i>Gastroenterology</i> , 2009, 136, 542-550.e6.	1.3	164
12	Krt19+/Lgr5+ Cells Are Radioresistant Cancer-Initiating Stem Cells in the Colon and Intestine. <i>Cell Stem Cell</i> , 2015, 16, 627-638.	11.1	161
13	Between-region genetic divergence reflects the mode and tempo of tumor evolution. <i>Nature Genetics</i> , 2017, 49, 1015-1024.	21.4	144
14	Stem cells and their implications for colorectal cancer. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2011, 8, 90-100.	17.8	131
15	Clonal evolution of colorectal cancer in IBD. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017, 14, 218-229.	17.8	124
16	Detecting repeated cancer evolution from multi-region tumor sequencing data. <i>Nature Methods</i> , 2018, 15, 707-714.	19.0	124
17	Clonality Assessment and Clonal Ordering of Individual Neoplastic Crypts Shows Polyclonality of Colorectal Adenomas. <i>Gastroenterology</i> , 2010, 138, 1441-1454.e7.	1.3	118
18	Low-Grade Dysplasia in Ulcerative Colitis: Risk Factors for Developing High-Grade Dysplasia or Colorectal Cancer. <i>American Journal of Gastroenterology</i> , 2015, 110, 1461-1471.	0.4	118

#	ARTICLE	IF	CITATIONS
19	Cumulative burden of inflammation predicts colorectal neoplasia risk in ulcerative colitis: a large single-centre study. <i>Gut</i> , 2019, 68, 414-422.	12.1	117
20	Stochastic homeostasis in human airway epithelium is achieved by neutral competition of basal cell progenitors. <i>ELife</i> , 2013, 2, e00966.	6.0	105
21	Field Cancerization in the Intestinal Epithelium of Patients With Crohn's Ileocolitis. <i>Gastroenterology</i> , 2012, 142, 855-864.e8.	1.3	104
22	The evolutionary landscape of colorectal tumorigenesis. <i>Nature Ecology and Evolution</i> , 2018, 2, 1661-1672.	7.8	99
23	Evolutionary history of human colitis-associated colorectal cancer. <i>Gut</i> , 2019, 68, 985-995.	12.1	97
24	Cancer associated fibroblast FAK regulates malignant cell metabolism. <i>Nature Communications</i> , 2020, 11, 1290.	12.8	95
25	Measuring cancer evolution from the genome. <i>Journal of Pathology</i> , 2017, 241, 183-191.	4.5	93
26	The histogenesis of regenerative nodules in human liver cirrhosis. <i>Hepatology</i> , 2010, 51, 1017-1026.	7.3	91
27	The effects of mutational processes and selection on driver mutations across cancer types. <i>Nature Communications</i> , 2018, 9, 1857.	12.8	91
28	Tumour Cell Heterogeneity. <i>F1000Research</i> , 2016, 5, 238.	1.6	91
29	Lineage tracing reveals multipotent stem cells maintain human adenomas and the pattern of clonal expansion in tumor evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2490-9.	7.1	88
30	Genomic profiling reveals spatial intra-tumor heterogeneity in follicular lymphoma. <i>Leukemia</i> , 2018, 32, 1261-1265.	7.2	87
31	Differential clonal evolution in oesophageal cancers in response to neo-adjuvant chemotherapy. <i>Nature Communications</i> , 2016, 7, 11111.	12.8	83
32	The Clonal Origins of Dysplasia From Intestinal Metaplasia in the Human Stomach. <i>Gastroenterology</i> , 2011, 140, 1251-1260.e6.	1.3	80
33	Characterization of LGR5 stem cells in colorectal adenomas and carcinomas. <i>Scientific Reports</i> , 2015, 5, 8654.	3.3	80
34	A basal gradient of Wnt and stem-cell number influences regional tumour distribution in human and mouse intestinal tracts. <i>Gut</i> , 2013, 62, 83-93.	12.1	78
35	Subclonal reconstruction of tumors by using machine learning and population genetics. <i>Nature Genetics</i> , 2020, 52, 898-907.	21.4	77
36	Dynamic clonal equilibrium and predetermined cancer risk in Barrett's oesophagus. <i>Nature Communications</i> , 2016, 7, 12158.	12.8	75

#	ARTICLE	IF	CITATIONS
37	Resolving the stem-cell debate. <i>Nature</i> , 2012, 488, 462-463.	27.8	73
38	Barrett's metaplasia glands are clonal, contain multiple stem cells and share a common squamous progenitor. <i>Gut</i> , 2012, 61, 1380-1389.	12.1	72
39	Somatic <i>POLE</i> exonuclease domain mutations are early events in sporadic endometrial and colorectal carcinogenesis, determining driver mutational landscape, clonal neoantigen burden and immune response. <i>Journal of Pathology</i> , 2018, 245, 283-296.	4.5	71
40	NeoPredPipe: high-throughput neoantigen prediction and recognition potential pipeline. <i>BMC Bioinformatics</i> , 2019, 20, 264.	2.6	71
41	Solutions to Peto's paradox revealed by mathematical modelling and cross-species cancer gene analysis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140222.	4.0	69
42	New paradigms in clonal evolution: punctuated equilibrium in cancer. <i>Journal of Pathology</i> , 2016, 240, 126-136.	4.5	69
43	Evolutionary dynamics of neoantigens in growing tumors. <i>Nature Genetics</i> , 2020, 52, 1057-1066.	21.4	68
44	The human urothelium consists of multiple clonal units, each maintained by a stem cell. <i>Journal of Pathology</i> , 2011, 225, 163-171.	4.5	59
45	Spatially constrained tumour growth affects the patterns of clonal selection and neutral drift in cancer genomic data. <i>PLoS Computational Biology</i> , 2019, 15, e1007243.	3.2	59
46	Insights Into the Pathophysiology of Esophageal Adenocarcinoma. <i>Gastroenterology</i> , 2018, 154, 406-420.	1.3	58
47	Robust RNA-based in situ mutation detection delineates colorectal cancer subclonal evolution. <i>Nature Communications</i> , 2017, 8, 1998.	12.8	57
48	Use of Methylation Patterns to Determine Expansion of Stem Cell Clones in Human Colon Tissue. <i>Gastroenterology</i> , 2011, 140, 1241-1250.e9.	1.3	52
49	Clonal architecture of human prostatic epithelium in benign and malignant conditions. <i>Journal of Pathology</i> , 2011, 225, 172-180.	4.5	52
50	Measuring Clonal Evolution in Cancer with Genomics. <i>Annual Review of Genomics and Human Genetics</i> , 2019, 20, 309-329.	6.2	52
51	Evolution of Barrett's esophagus through space and time at single-crypt and whole-biopsy levels. <i>Nature Communications</i> , 2018, 9, 794.	12.8	47
52	Breast Cancer Dormancy Can Be Maintained by Small Numbers of Micrometastases. <i>Cancer Research</i> , 2010, 70, 4310-4317.	0.9	42
53	Modelling the evolution of genetic instability during tumour progression. <i>Evolutionary Applications</i> , 2013, 6, 20-33.	3.1	41
54	Measuring single cell divisions in human tissues from multi-region sequencing data. <i>Nature Communications</i> , 2020, 11, 1035.	12.8	41

#	ARTICLE	IF	CITATIONS
55	Colorectal cancer residual disease at maximal response to EGFR blockade displays a druggable Paneth cell-like phenotype. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	40
56	Evolution of oesophageal adenocarcinoma from metaplastic columnar epithelium without goblet cells in Barrett's oesophagus. <i>Gut</i> , 2016, 65, 907-913.	12.1	39
57	Derivation of genetic biomarkers for cancer risk stratification in Barrett's oesophagus: a prospective cohort study. <i>Gut</i> , 2016, 65, 1602-1610.	12.1	39
58	Reconstructing single-cell karyotype alterations in colorectal cancer identifies punctuated and gradual diversification patterns. <i>Nature Genetics</i> , 2021, 53, 1187-1195.	21.4	37
59	Cell migration leads to spatially distinct but clonally related airway cancer precursors. <i>Thorax</i> , 2014, 69, 548-557.	5.6	35
60	Genomic landscape and clonal architecture of mouse oral squamous cell carcinomas dictate tumour ecology. <i>Nature Communications</i> , 2020, 11, 5671.	12.8	35
61	<scp>LRIG1</scp> regulates cadherin-dependent contact inhibition directing epithelial homeostasis and pre-invasive squamous cell carcinoma development. <i>Journal of Pathology</i> , 2013, 229, 608-620.	4.5	34
62	Field cancerization in the GI tract. <i>Future Oncology</i> , 2011, 7, 981-993.	2.4	32
63	Multiregion human bladder cancer sequencing reveals tumour evolution, bladder cancer phenotypes and implications for targeted therapy. <i>Journal of Pathology</i> , 2019, 248, 230-242.	4.5	32
64	Measuring the distribution of fitness effects in somatic evolution by combining clonal dynamics with dN/dS ratios. <i>ELife</i> , 2020, 9, .	6.0	32
65	Crypt fusion as a homeostatic mechanism in the human colon. <i>Gut</i> , 2019, 68, 1986-1993.	12.1	28
66	The Barrett's Gland in Phenotype Space. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2015, 1, 41-54.	4.5	27
67	From Colitis to Cancer: An Evolutionary Trajectory That Merges Maths and Biology. <i>Frontiers in Immunology</i> , 2018, 9, 2368.	4.8	27
68	Reply to "Neutral tumor evolution?". <i>Nature Genetics</i> , 2018, 50, 1633-1637.	21.4	27
69	Predicting Colorectal Cancer Occurrence in IBD. <i>Cancers</i> , 2021, 13, 2908.	3.7	26
70	Long-term proton pump induced hypergastrinaemia does induce lineage-specific restitution but not clonal expansion in benign Barrett's oesophagus in vivo. <i>Gut</i> , 2010, 59, 156-163.	12.1	25
71	Stem cells and solid cancers. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2009, 455, 1-13.	2.8	23
72	Catch my drift? Making sense of genomic intra-tumour heterogeneity. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017, 1867, 95-100.	7.4	23

#	ARTICLE	IF	CITATIONS
73	Evolution of Premalignant Disease. Cold Spring Harbor Perspectives in Medicine, 2017, 7, a026542.	6.2	23
74	Germline MBD4 deficiency causes a multi-tumor predisposition syndrome. American Journal of Human Genetics, 2022, 109, 953-960.	6.2	23
75	Fluctuating methylation clocks for cell lineage tracing at high temporal resolution in human tissues. Nature Biotechnology, 2022, 40, 720-730.	17.5	22
76	Clonal Selection and Persistence in Dysplastic Barrett's Esophagus and Intramucosal Cancers After Failed Radiofrequency Ablation. American Journal of Gastroenterology, 2013, 108, 1584-1592.	0.4	21
77	Pre-tumour clones, periodic selection and clonal interference in the origin and progression of gastrointestinal cancer: potential for biomarker development. Journal of Pathology, 2013, 229, 502-514.	4.5	20
78	Immunosuppressive niche engineering at the onset of human colorectal cancer. Nature Communications, 2022, 13, 1798.	12.8	19
79	A Computational Modeling Approach for Deriving Biomarkers to Predict Cancer Risk in Premalignant Disease. Cancer Prevention Research, 2016, 9, 283-295.	1.5	18
80	The MOBSTER R package for tumour subclonal deconvolution from bulk DNA whole-genome sequencing data. BMC Bioinformatics, 2020, 21, 531.	2.6	18
81	A HIF-1 negative feedback mechanism mitigates the pro-tumorigenic effects of hypoxia. EMBO Molecular Medicine, 2018, 10, .	6.9	17
82	PIK3CA mutations are common in lobular carcinoma in situ, but are not a biomarker of progression. Breast Cancer Research, 2017, 19, 7.	5.0	14
83	Genetic diversity during the development of Barrett's oesophagus-associated adenocarcinoma: how, when and why?. Biochemical Society Transactions, 2010, 38, 374-379.	3.4	12
84	Multicentre derivation and validation of a colitis-associated colorectal cancer risk prediction web tool. Gut, 2022, 71, 705-715.	12.1	12
85	What Can Be Learnt about Disease Progression in Breast Cancer Dormancy from Relapse Data?. PLoS ONE, 2013, 8, e62320.	2.5	12
86	Reply to "Currently available bulk sequencing data do not necessarily support a model of neutral tumor evolution". Nature Genetics, 2018, 50, 1624-1626.	21.4	11
87	Crypt dysplasia in Barrett's oesophagus shows clonal identity between crypt and surface cells. Journal of Pathology, 2013, 231, 98-104.	4.5	10
88	Field cancerization in Barrett's esophagus. Discovery Medicine, 2011, 12, 371-9.	0.5	10
89	Location, location, location! The reality of life for an intestinal stem cell in the crypt. Journal of Pathology, 2014, 234, 1-4.	4.5	9
90	Evolutionary dynamics in Barrett oesophagus: implications for surveillance, risk stratification and therapy. Nature Reviews Gastroenterology and Hepatology, 2022, 19, 95-111.	17.8	9

#	ARTICLE	IF	CITATIONS
91	Revealing human intestinal stem cell and crypt dynamics. <i>Molecular and Cellular Oncology</i> , 2014, 1, e970069.	0.7	8
92	A breast cancer meta-analysis of two expression measures of chromosomal instability reveals a relationship with younger age at diagnosis and high risk histopathological variables. <i>Oncotarget</i> , 2011, 2, 529-537.	1.8	8
93	Spindles losing their bearings: Does disruption of orientation in stem cells predict the onset of cancer?. <i>BioEssays</i> , 2010, 32, 468-472.	2.5	7
94	Reply: Uncertainties in tumor allele frequencies limit power to infer evolutionary pressures. <i>Nature Genetics</i> , 2017, 49, 1289-1291.	21.4	7
95	Stem Cells and Inflammation in the Intestine. <i>Recent Results in Cancer Research</i> , 2011, 185, 51-63.	1.8	7
96	Lineage tracing in human tissues. <i>Journal of Pathology</i> , 2022, 257, 501-512.	4.5	7
97	Quantification of within-sample genetic heterogeneity from SNP-array data. <i>Scientific Reports</i> , 2017, 7, 3248.	3.3	6
98	LiquidCNA: Tracking subclonal evolution from longitudinal liquid biopsies using somatic copy number alterations. <i>IScience</i> , 2021, 24, 102889.	4.1	6
99	Functional versus non-functional intratumor heterogeneity in cancer. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1162897.	0.7	5
100	Reply to "Revisiting signatures of neutral tumor evolution in the light of complexity of cancer genomic data". <i>Nature Genetics</i> , 2018, 50, 1628-1630.	21.4	5
101	Navigating the path to distant metastasis. <i>Nature Genetics</i> , 2020, 52, 642-643.	21.4	5
102	Genetic heterogeneity highlighted by differential FDG-PET response in diffuse large B-cell lymphoma. <i>Haematologica</i> , 2020, 105, 318-321.	3.5	5
103	Investigating the fixation and spread of mutations in the gastrointestinal epithelium. <i>Future Oncology</i> , 2008, 4, 825-839.	2.4	4
104	Quantifying human intestinal stem cell and crypt dynamics: the implications for cancer screening and prevention. <i>Expert Review of Gastroenterology and Hepatology</i> , 2016, 10, 277-279.	3.0	4
105	Reply: Is the evolution of tumors Darwinian or non-Darwinian?. <i>National Science Review</i> , 2018, 5, 17-19.	9.5	3
106	Utilizing DNA Mutations to Trace Epithelial Cell Lineages in Human Tissues. <i>Methods in Molecular Biology</i> , 2012, 916, 289-301.	0.9	2
107	In Situ Point Mutation Detection in FFPE Colorectal Cancers Using the BaseScope Assay. <i>Methods in Molecular Biology</i> , 2020, 2148, 349-360.	0.9	2
108	Field defects in DNA repair: is loss of MGMT an initial event in colorectal carcinogenesis?. <i>Gut</i> , 2010, 59, 1452-1453.	12.1	1

#	ARTICLE	IF	CITATIONS
109	Concurrent in situ analysis of point mutations and immune infiltrate in FFPE cancers. <i>Methods in Enzymology</i> , 2020, 636, 287-297.	1.0	1
110	The role of single-cell sequencing in studying tumour evolution. <i>Faculty Reviews</i> , 2021, 10, 49.	3.9	1
111	Evolution's cartographer: Mapping the fitness landscape in cancer. <i>Cancer Cell</i> , 2021, 39, 1311-1313.	16.8	1
112	Reply: Neutral tumor evolution?. , 0, , .		1
113	Re: Mitochondria and Tumor Progression in Ulcerative Colitis. <i>Journal of the National Cancer Institute</i> , 2014, 106, djt436-djt436.	6.3	0