

# James Breen

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67  
papers

1,786  
citations

19  
h-index

41  
g-index

84  
ext. papers

2,563  
ext. citations

6.4  
avg, IF

4.37  
L-index

#	Paper	IF	Citations
67	Neanderthal behaviour, diet, and disease inferred from ancient DNA in dental calculus. <i>Nature</i> , <b>2017</b> , 544, 357-361	50.4	263
66	Megabase level sequencing reveals contrasted organization and evolution patterns of the wheat gene and transposable element spaces. <i>Plant Cell</i> , <b>2010</b> , 22, 1686-701	11.6	223
65	The maize disease resistance gene Htn1 against northern corn leaf blight encodes a wall-associated receptor-like kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 8780-5	11.5	171
64	An accurate DNA marker assay for stem rust resistance gene Sr2 in wheat. <i>Theoretical and Applied Genetics</i> , <b>2011</b> , 122, 735-44	6	137
63	Linking the International Wheat Genome Sequencing Consortium bread wheat reference genome sequence to wheat genetic and phenomic data. <i>Genome Biology</i> , <b>2018</b> , 19, 111	18.3	119
62	Laboratory contamination over time during low-biomass sample analysis. <i>Molecular Ecology Resources</i> , <b>2019</b> , 19, 982-996	8.4	79
61	A multiple resistance locus on chromosome arm 3BS in wheat confers resistance to stem rust (Sr2), leaf rust (Lr27) and powdery mildew. <i>Theoretical and Applied Genetics</i> , <b>2011</b> , 123, 615-23	6	75
60	Germin-like proteins (GLPs) in cereal genomes: gene clustering and dynamic roles in plant defence. <i>Functional and Integrative Genomics</i> , <b>2010</b> , 10, 463-76	3.8	54
59	Large Scale Gene Expression Meta-Analysis Reveals Tissue-Specific, Sex-Biased Gene Expression in Humans. <i>Frontiers in Genetics</i> , <b>2016</b> , 7, 183	4.5	54
58	Accelerated placental aging in early onset preeclampsia pregnancies identified by DNA methylation. <i>Epigenomics</i> , <b>2017</b> , 9, 279-289	4.4	53
57	Recent progress towards understanding the role of DNA methylation in human placental development. <i>Reproduction</i> , <b>2016</b> , 152, R23-30	3.8	46
56	Epigenetic regulation of sex ratios may explain natural variation in self-fertilization rates. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 282,	4.4	33
55	A major invasion of transposable elements accounts for the large size of the <i>Blumeria graminis</i> f.sp. <i>tritici</i> genome. <i>Functional and Integrative Genomics</i> , <b>2011</b> , 11, 671-7	3.8	32
54	Antarctic eukaryotic soil diversity of the Prince Charles Mountains revealed by high-throughput sequencing. <i>Soil Biology and Biochemistry</i> , <b>2016</b> , 95, 112-121	7.5	30
53	Predicting the origin of soil evidence: High throughput eukaryote sequencing and MIR spectroscopy applied to a crime scene scenario. <i>Forensic Science International</i> , <b>2015</b> , 251, 22-31	2.6	29
52	Major haplotype divergence including multiple germin-like protein genes, at the wheat Sr2 adult plant stem rust resistance locus. <i>BMC Plant Biology</i> , <b>2014</b> , 14, 379	5.3	29
51	Global DNA Methylation Patterns Can Play a Role in Defining Terroir in Grapevine ( cv. Shiraz). <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1860	6.2	28

50	A physical map of the short arm of wheat chromosome 1A. <i>PLoS ONE</i> , <b>2013</b> , 8, e80272	3.7	28
49	Megafaunal isotopes reveal role of increased moisture on rangeland during late Pleistocene extinctions. <i>Nature Ecology and Evolution</i> , <b>2017</b> , 1, 125	12.3	26
48	Ancient plant DNA in the genomic era. <i>Nature Plants</i> , <b>2018</b> , 4, 394-396	11.5	19
47	Extensive rewiring of the EGFR network in colorectal cancer cells expressing transforming levels of KRAS. <i>Nature Communications</i> , <b>2020</b> , 11, 499	17.4	17
46	Repeat-length variation in a wheat cellulose synthase-like gene is associated with altered tiller number and stem cell wall composition. <i>Journal of Experimental Botany</i> , <b>2017</b> , 68, 1519-1529	7	14
45	Ceasing exercise induces depression-like, anxiety-like, and impaired cognitive-like behaviours and altered hippocampal gene expression. <i>Brain Research Bulletin</i> , <b>2019</b> , 148, 118-130	3.9	14
44	Unravelling the molecular basis for regulatory T-cell plasticity and loss of function in disease. <i>Clinical and Translational Immunology</i> , <b>2018</b> , 7, e1011	6.8	14
43	Transcript abundance of stromal and thecal cell related genes during bovine ovarian development. <i>PLoS ONE</i> , <b>2019</b> , 14, e0213575	3.7	13
42	Tissue-specific progesterone receptor-chromatin binding and the regulation of progesterone-dependent gene expression. <i>Scientific Reports</i> , <b>2019</b> , 9, 11966	4.9	12
41	Short-term environmental enrichment, and not physical exercise, alleviate cognitive decline and anxiety from middle age onwards without affecting hippocampal gene expression. <i>Cognitive, Affective and Behavioral Neuroscience</i> , <b>2019</b> , 19, 1143-1169	3.5	11
40	Cerebral palsy and genomics: an international consortium. <i>Developmental Medicine and Child Neurology</i> , <b>2018</b> , 60, 209-210	3.3	11
39	A highly conserved gene island of three genes on chromosome 3B of hexaploid wheat: diverse gene function and genomic structure maintained in a tightly linked block. <i>BMC Plant Biology</i> , <b>2010</b> , 10, 98	5.3	11
38	Wheat beta-expansin (EXPB11) genes: Identification of the expressed gene on chromosome 3BS carrying a pollen allergen domain. <i>BMC Plant Biology</i> , <b>2010</b> , 10, 99	5.3	11
37	Wheat genome structure and function: genome sequence data and the International Wheat Genome Sequencing Consortium. <i>Australian Journal of Agricultural Research</i> , <b>2007</b> , 58, 470		11
36	Effects of aging on the motor, cognitive and affective behaviors, neuroimmune responses and hippocampal gene expression. <i>Behavioural Brain Research</i> , <b>2020</b> , 383, 112501	3.4	10
35	The effects of short-term and long-term environmental enrichment on locomotion, mood-like behavior, cognition and hippocampal gene expression. <i>Behavioural Brain Research</i> , <b>2019</b> , 368, 111917	3.4	9
34	msgbsR: An R package for analysing methylation-sensitive restriction enzyme sequencing data. <i>Scientific Reports</i> , <b>2018</b> , 8, 2190	4.9	9
33	Autosomal dominant nanophthalmos and high hyperopia associated with a C-terminal frameshift variant in. <i>Molecular Vision</i> , <b>2019</b> , 25, 527-534	2.3	9

32	Phototactic tails: Evolution and molecular basis of a novel sensory trait in sea snakes. <i>Molecular Ecology</i> , <b>2019</b> , 28, 2013-2028	5.7	9
31	HOPX regulates bone marrow-derived mesenchymal stromal cell fate determination via suppression of adipogenic gene pathways. <i>Scientific Reports</i> , <b>2020</b> , 10, 11345	4.9	8
30	It takes a community to conceive: an analysis of the scope, nature and accuracy of online sources of health information for couples trying to conceive. <i>Reproductive Biomedicine and Society Online</i> , <b>2019</b> , 9, 48-63	1.2	6
29	Specific growth conditions induce a <i>Streptococcus pneumoniae</i> non-mucoidal, small colony variant and determine the outcome of its co-culture with <i>Haemophilus influenzae</i> . <i>Pathogens and Disease</i> , <b>2018</b> , 76,	4.2	6
28	Large-scale transcriptome-wide profiling of microRNAs in human placenta and maternal plasma at early to mid gestation. <i>RNA Biology</i> , <b>2021</b> , 1-14	4.8	5
27	Molecular Insights Into Regulatory T-Cell Adaptation to Self, Environment, and Host Tissues: Plasticity or Loss of Function in Autoimmune Disease. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 1269	8.4	4
26	Evaluation of the contribution of 16 European beef production systems to food security. <i>Agricultural Systems</i> , <b>2021</b> , 190, 103088	6.1	4
25	Wine Terroir and the Soil Bacteria: An Amplicon Sequencing-Based Assessment of the Barossa Valley and Its Sub-Regions. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 597944	5.7	4
24	Childhood and Early Onset Glaucoma Classification and Genetic Profile in a Large Australasian Disease Registry. <i>Ophthalmology</i> , <b>2021</b> , 128, 1549-1560	7.3	3
23	Haemoglobin expression in in vivo murine preimplantation embryos suggests a role in oxygen-regulated gene expression. <i>Reproduction, Fertility and Development</i> , <b>2019</b> , 31, 724-734	1.8	3
22	Quality control measures for placental sample purity in DNA methylation array analyses. <i>Placenta</i> , <b>2019</b> , 88, 8-11	3.4	2
21	Environmental conditions and agronomic practices induce consistent global changes in DNA methylation patterns in grapevine ( <i>Vitis vinifera</i> cv Shiraz)		2
20	Large-scale transcriptome-wide profiling of microRNAs in human placenta and maternal plasma at early to mid gestation		2
19	Parental bias in expression and interaction of genes in the equine placenta. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	2
18	A novel GSN variant outside the G2 calcium-binding domain associated with Amyloidosis of the Finnish type. <i>Human Mutation</i> , <b>2021</b> , 42, 818-826	4.7	2
17	The mTORC1 complex in pre-osteoblasts regulates whole-body energy metabolism independently of osteocalcin. <i>Bone Research</i> , <b>2021</b> , 9, 10	13.3	2
16	Mitochondrial supplementation of <i>Sus scrofa</i> metaphase II oocytes alters DNA methylation and gene expression profiles of blastocysts.. <i>Epigenetics and Chromatin</i> , <b>2022</b> , 15, 12	5.8	2
15	Recent insertion of a 52-kb mitochondrial DNA segment in the wheat lineage. <i>Functional and Integrative Genomics</i> , <b>2011</b> , 11, 599-609	3.8	1

14	Next Generation Genomic Analyses in T-ALL Patients Identify Recurrent and Novel Genomic Abnormalities. <i>Blood</i> , <b>2020</b> , 136, 13-14	2.2	1
13	Transcriptomic analysis of the seminal vesicle response to the reproductive toxicant acrylamide. <i>BMC Genomics</i> , <b>2021</b> , 22, 728	4.5	1
12	Laboratory contamination over time during low-biomass sample analysis		1
11	High-risk B-cell acute lymphoblastic leukaemia presenting with hypereosinophilia and acquiring a novel PAX5 fusion on relapse. <i>British Journal of Haematology</i> , <b>2020</b> , 191, 301-304	4.5	1
10	Acquired JAK2 mutations confer resistance to JAK inhibitors in cell models of acute lymphoblastic leukemia. <i>Npj Precision Oncology</i> , <b>2021</b> , 5, 75	9.8	1
9	Podocalyxin promotes an impermeable epithelium and inhibits pro-implantation factors to negatively regulate endometrial receptivity.. <i>Scientific Reports</i> , <b>2021</b> , 11, 24016	4.9	1
8	Two novel cases of NUTM1-rearranged B-cell acute lymphoblastic leukaemia presenting with high-risk features.. <i>British Journal of Haematology</i> , <b>2021</b> ,	4.5	1
7	Integrative analysis of mutated genes and mutational processes reveals novel mutational biomarkers in colorectal cancer.. <i>BMC Bioinformatics</i> , <b>2022</b> , 23, 138	3.6	1
6	Acquired Mutations within the JAK2 Kinase Domain Confer Resistance to JAK Inhibitors in an in Vitro model of a High-Risk Acute Lymphoblastic Leukemia. <i>Blood</i> , <b>2020</b> , 136, 5-6	2.2	0
5	Tissue and regional expression patterns of dicistronic tRNA-mRNA transcripts in grapevine ( <i>Vitis vinifera</i> ) and their evolutionary co-appearance with vasculature in land plants. <i>Horticulture Research</i> , <b>2021</b> , 8, 137	7.7	0
4	Seeing the forest through the trees: prioritising potentially functional interactions from Hi-C. <i>Epigenetics and Chromatin</i> , <b>2021</b> , 14, 41	5.8	0
3	RNA Sequencing of Lens Capsular Epithelium Implicates Novel Pathways in Pseudoexfoliation Syndrome. <b>2022</b> , 63, 26		0
2	High Risk Genomic Alterations Identified at the Time of Diagnosis Are Strongly Associated with MRD and Subsequent Poor Outcomes in AYA ALL Patients Treated on a Pediatric Inspired Chemotherapy Regimen. <i>Blood</i> , <b>2019</b> , 134, 3949-3949	2.2	
1	New tricks for old wheat. <i>Nature Plants</i> , <b>2019</b> , 5, 1108-1109	11.5	