

# Ian K Greaves

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

2,072  
citations

361413

20  
h-index

526287

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2256  
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in 24-nt siRNA levels in <i>Arabidopsis</i> hybrids suggest an epigenetic contribution to hybrid vigor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2617-2622.	7.1	310
2	RNA interference demonstrates a novel role for H2A.Z in chromosome segregation. <i>Nature Structural and Molecular Biology</i> , 2004, 11, 650-655.	8.2	205
3	Trans Chromosomal Methylation in <i>Arabidopsis</i> hybrids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3570-3575.	7.1	202
4	H2A.Z contributes to the unique 3D structure of the centromere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 525-530.	7.1	153
5	The replacement histone H2A.Z in a hyperacetylated form is a feature of active genes in the chicken. <i>Nucleic Acids Research</i> , 2005, 33, 5633-5639.	14.5	150
6	The role of epigenetics in hybrid vigour. <i>Trends in Genetics</i> , 2013, 29, 684-690.	6.7	137
7	The X and Y Chromosomes Assemble into H2A.Z, Containing Facultative Heterochromatin, following Meiosis. <i>Molecular and Cellular Biology</i> , 2006, 26, 5394-5405.	2.3	111
8	Hormone-regulated defense and stress response networks contribute to heterosis in <i>Arabidopsis</i> F1 hybrids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6397-406.	7.1	110
9	Epigenetic Changes in Hybrids. <i>Plant Physiology</i> , 2015, 168, 1197-1205.	4.8	102
10	Intraspecific <i>Arabidopsis</i> Hybrids Show Different Patterns of Heterosis Despite the Close Relatedness of the Parental Genomes. <i>Plant Physiology</i> , 2014, 166, 265-280.	4.8	77
11	Inheritance of Trans Chromosomal Methylation patterns from <i>Arabidopsis</i> F1 hybrids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2017-2022.	7.1	69
12	Epigenetics in plants: vernalisation and hybrid vigour. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2011, 1809, 427-437.	1.9	61
13	Hybrid mimics and hybrid vigor in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4959-67.	7.1	51
14	Conservation of chromosome arrangement and position of the X in mammalian sperm suggests functional significance. <i>Chromosome Research</i> , 2003, 11, 503-512.	2.2	49
15	Specific patterns of histone marks accompany X chromosome inactivation in a marsupial. <i>Chromosome Research</i> , 2009, 17, 115-26.	2.2	48
16	Early changes of gene activity in developing seedlings of <i>Arabidopsis</i> hybrids relative to parents may contribute to hybrid vigour. <i>Plant Journal</i> , 2016, 88, 597-607.	5.7	37
17	Twenty-four nucleotide siRNAs produce heritable trans-chromosomal methylation in F1 <i>Arabidopsis</i> hybrids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6895-E6902.	7.1	36
18	PIF4-controlled auxin pathway contributes to hybrid vigor in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3555-E3562.	7.1	35

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19	Trans-chromosomal methylation. <i>Epigenetics</i> , 2012, 7, 800-805.	2.7	24
20	Genome-wide analyses of four major histone modifications in Arabidopsis hybrids at the germinating seed stage. <i>BMC Genomics</i> , 2017, 18, 137.	2.8	23
21	Gene knockdown by ecdysone-based inducible RNAi in stable mammalian cell lines. <i>Nature Protocols</i> , 2008, 3, 79-88.	12.0	22
22	Senescence and Defense Pathways Contribute to Heterosis. <i>Plant Physiology</i> , 2019, 180, 240-252.	4.8	21
23	Chromosomal painting detects non-random chromosome arrangement in dasyurid marsupial sperm. <i>Chromosome Research</i> , 2001, 9, 251-259.	2.2	19
24	Core-SINE blocks comprise a large fraction of monotreme genomes; implications for vertebrate chromosome evolution. <i>Chromosome Research</i> , 2007, 15, 975-984.	2.2	6
25	In Arabidopsis hybrids and Hybrid Mimics, up-regulation of cell wall biogenesis is associated with the increased plant size. <i>Plant Direct</i> , 2019, 3, e00174.	1.9	6
26	Arabidopsis Col/Ler and Ws/Ler hybrids and Hybrid Mimics produce seed yield heterosis through increased height, inflorescence branch and silique number. <i>Planta</i> , 2020, 252, 40.	3.2	5
27	Strategies to improve field establishment of canola: A review. <i>Advances in Agronomy</i> , 2022, , 133-177.	5.2	3