

James Emerson

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

5,335
citations

361045

20
h-index

454577

30
g-index

30
all docs

30
docs citations

30
times ranked

7497
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequence and comparative analysis of the chicken genome provide unique perspectives on vertebrate evolution. <i>Nature</i> , 2004, 432, 695-716.	13.7	2,421
2	Extensive Gene Traffic on the Mammalian X Chromosome. <i>Science</i> , 2004, 303, 537-540.	6.0	387
3	Contiguous and accurate <i>de novo</i> assembly of metazoan genomes with modest long read coverage. <i>Nucleic Acids Research</i> , 2016, 44, gkw654.	6.5	329
4	Population Genomics of Sub-Saharan <i>Drosophila melanogaster</i> : African Diversity and Non-African Admixture. <i>PLoS Genetics</i> , 2012, 8, e1003080.	1.5	318
5	Comparative Sex Chromosome Genomics in Snakes: Differentiation, Evolutionary Strata, and Lack of Global Dosage Compensation. <i>PLoS Biology</i> , 2013, 11, e1001643.	2.6	270
6	Natural Selection Shapes Genome-Wide Patterns of Copy-Number Polymorphism in <i>Drosophila melanogaster</i> . <i>Science</i> , 2008, 320, 1629-1631.	6.0	241
7	Models and Data on Plant-Enemy Coevolution. <i>Annual Review of Genetics</i> , 2001, 35, 469-499.	3.2	157
8	Natural selection on <i>cis</i> and <i>trans</i> regulation in yeasts. <i>Genome Research</i> , 2010, 20, 826-836.	2.4	156
9	Hidden genetic variation shapes the structure of functional elements in <i>Drosophila</i> . <i>Nature Genetics</i> , 2018, 50, 20-25.	9.4	127
10	Inheritance of Gene Expression Level and Selective Constraints on Trans- and Cis-Regulatory Changes in Yeast. <i>Molecular Biology and Evolution</i> , 2013, 30, 2121-2133.	3.5	113
11	Structural variants exhibit widespread allelic heterogeneity and shape variation in complex traits. <i>Nature Communications</i> , 2019, 10, 4872.	5.8	112
12	Efficient population modification gene-drive rescue system in the malaria mosquito <i>Anopheles stephensi</i> . <i>Nature Communications</i> , 2020, 11, 5553.	5.8	110
13	Rapid Low-Cost Assembly of the <i>Drosophila melanogaster</i> Reference Genome Using Low-Coverage, Long-Read Sequencing. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 3143-3154.	0.8	77
14	Hidden genomic features of an invasive malaria vector, <i>Anopheles stephensi</i> , revealed by a chromosome-level genome assembly. <i>BMC Biology</i> , 2021, 19, 28.	1.7	77
15	The genetic basis of evolutionary change in gene expression levels. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 2581-2590.	1.8	68
16	Evolutionary Genomics of Structural Variation in Asian Rice (<i>Oryza sativa</i>) Domestication. <i>Molecular Biology and Evolution</i> , 2020, 37, 3507-3524.	3.5	58
17	Evolution of genome structure in the <i>Drosophila simulans</i> species complex. <i>Genome Research</i> , 2021, 31, 380-396.	2.4	55
18	Topologically associating domains and their role in the evolution of genome structure and function in <i>Drosophila</i> . <i>Genome Research</i> , 2021, 31, 397-410.	2.4	36

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19	Genetic, Genomic, and Functional Analysis of the Granule Lattice Proteins in Tetrahymena Secretory Granules. <i>Molecular Biology of the Cell</i> , 2005, 16, 4046-4060.	0.9	33
20	<i>Drosophila</i> Duplication Hotspots Are Associated with Late-Replicating Regions of the Genome. <i>PLoS Genetics</i> , 2011, 7, e1002340.	1.5	31
21	Behavioral and Genomic Sensory Adaptations Underlying the Pest Activity of <i>Drosophila suzukii</i> . <i>Molecular Biology and Evolution</i> , 2021, 38, 2532-2546.	3.5	31
22	The 3D architecture of the pepper genome and its relationship to function and evolution. <i>Nature Communications</i> , 2022, 13, .	5.8	28
23	Genetically distinct coelacanth population off the northern Tanzanian coast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18009-18013.	3.3	20
24	Codon volatility does not detect selection. <i>Nature</i> , 2005, 433, E6-E7.	13.7	16
25	Inferring Compensatory Evolution of cis- and trans-Regulatory Variation. <i>Trends in Genetics</i> , 2019, 35, 1-3.	2.9	15
26	Genomic and biochemical evidence of dietary adaptation in a marine herbivorous fish. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20192327.	1.2	14
27	Nucleotide Variation and Recombination Along the Fourth Chromosome in <i>Drosophila simulans</i> . <i>Genetics</i> , 2004, 166, 1783-1794.	1.2	13
28	Meiotic Sex Chromosome Inactivation: Compensation by Gene Traffic. <i>Current Biology</i> , 2017, 27, R659-R661.	1.8	9
29	Evolution: A Paradigm Shift in Snake Sex Chromosome Genetics. <i>Current Biology</i> , 2017, 27, R800-R803.	1.8	7