

CÃ©dric Feschotte

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

17,608
citations

31976

53
h-index

36028

97
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126
all docs

126
docs citations

126
times ranked

16993
citing authors

#	ARTICLE	IF	CITATIONS
1	Zebrafish transposable elements show extensive diversification in age, genomic distribution, and developmental expression. <i>Genome Research</i> , 2022, 32, 1408-1423.	5.5	29
2	Single-Cell Analysis Reveals Unexpected Cellular Changes and Transposon Expression Signatures in the Colonic Epithelium of Treatment-Naïve Adult Crohn's Disease Patients. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 1717-1740.	4.5	12
3	Mosaic cis-regulatory evolution drives transcriptional partitioning of HERVH endogenous retrovirus in the human embryo. <i>ELife</i> , 2022, 11, .	6.0	31
4	Roles of transposable elements in the regulation of mammalian transcription. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 481-497.	37.0	135
5	Recurrent evolution of vertebrate transcription factors by transposase capture. <i>Science</i> , 2021, 371, .	12.6	102
6	Evolution of mouse circadian enhancers from transposable elements. <i>Genome Biology</i> , 2021, 22, 193.	8.8	30
7	SARS-CoV-2 infection mediates differential expression of human endogenous retroviruses and long interspersed nuclear elements. <i>JCI Insight</i> , 2021, 6, .	5.0	26
8	Structures of virus-like capsids formed by the <i>Drosophila</i> neuronal Arc proteins. <i>Nature Neuroscience</i> , 2020, 23, 172-175.	14.8	46
9	A Single-Cell RNA Expression Map of Human Coronavirus Entry Factors. <i>Cell Reports</i> , 2020, 32, 108175.	6.4	215
10	Human Endogenous Retrovirus K Rec Forms a Regulatory Loop with MITF that Opposes the Progression of Melanoma to an Invasive Stage. <i>Viruses</i> , 2020, 12, 1303.	3.3	14
11	A Field Guide to Eukaryotic Transposable Elements. <i>Annual Review of Genetics</i> , 2020, 54, 539-561.	7.6	279
12	TypeTE: a tool to genotype mobile element insertions from whole genome resequencing data. <i>Nucleic Acids Research</i> , 2020, 48, e36-e36.	14.5	11
13	Contribution of unfixed transposable element insertions to human regulatory variation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190331.	4.0	32
14	RepeatModeler2 for automated genomic discovery of transposable element families. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9451-9457.	7.1	1,480
15	A Single-Cell RNA Expression Map of Human Coronavirus Entry Factors. <i>SSRN Electronic Journal</i> , 2020, , 3611279.	0.4	2
16	Host-transposon interactions: conflict, cooperation, and cooption. <i>Genes and Development</i> , 2019, 33, 1098-1116.	5.9	209
17	RNAi-dependent Polycomb repression controls transposable elements in <i>Tetrahymena</i> . <i>Genes and Development</i> , 2019, 33, 348-364.	5.9	42
18	Horizontal acquisition of transposable elements and viral sequences: patterns and consequences. <i>Current Opinion in Genetics and Development</i> , 2018, 49, 15-24.	3.3	109

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19	The Neuronal Gene Arc Encodes a Repurposed Retrotransposon Gag Protein that Mediates Intercellular RNA Transfer. <i>Cell</i> , 2018, 172, 275-288.e18.	28.9	382
20	Ten things you should know about transposable elements. <i>Genome Biology</i> , 2018, 19, 199.	8.8	817
21	Variation in proviral content among human genomes mediated by LTR recombination. <i>Mobile DNA</i> , 2018, 9, 36.	3.6	71
22	Transposons take remote control. <i>ELife</i> , 2018, 7, .	6.0	5
23	Analysis of 3D genomic interactions identifies candidate host genes that transposable elements potentially regulate. <i>Genome Biology</i> , 2018, 19, 216.	8.8	38
24	Dynamics of genome size evolution in birds and mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1460-E1469.	7.1	324
25	Transposable Element Domestication As an Adaptation to Evolutionary Conflicts. <i>Trends in Genetics</i> , 2017, 33, 817-831.	6.7	227
26	Co-option of endogenous viral sequences for host cell function. <i>Current Opinion in Virology</i> , 2017, 25, 81-89.	5.4	136
27	Regulatory activities of transposable elements: from conflicts to benefits. <i>Nature Reviews Genetics</i> , 2017, 18, 71-86.	16.3	1,065
28	Ecological networks to unravel the routes to horizontal transposon transfers. <i>PLoS Biology</i> , 2017, 15, e2001536.	5.6	39
29	Exploration of the <i>Drosophila buzzatii</i> transposable element content suggests underestimation of repeats in <i>Drosophila</i> genomes. <i>BMC Genomics</i> , 2016, 17, 344.	2.8	22
30	Regulatory evolution of innate immunity through co-option of endogenous retroviruses. <i>Science</i> , 2016, 351, 1083-1087.	12.6	760
31	Structure of the germline genome of <i>Tetrahymena thermophila</i> and relationship to the massively rearranged somatic genome. <i>ELife</i> , 2016, 5, .	6.0	130
32	Endogenous viral elements: evolution and impact. <i>Virologie</i> , 2016, 20, 158-173.	0.1	2
33	First international workshop on human endogenous retroviruses and diseases, HERVs & disease 2015. <i>Mobile DNA</i> , 2015, 6, 20.	3.6	6
34	Cross-Species Transmission and Differential Fate of an Endogenous Retrovirus in Three Mammal Lineages. <i>PLoS Pathogens</i> , 2015, 11, e1005279.	4.7	45
35	Genomic DNA transposition induced by human PGBD5. <i>ELife</i> , 2015, 4, .	6.0	67
36	Genomics of Ecological Adaptation in Cactophilic <i>Drosophila</i> . <i>Genome Biology and Evolution</i> , 2015, 7, 349-366.	2.5	51

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37	Fighting Fire with Fire: Endogenous Retrovirus Envelopes as Restriction Factors. <i>Journal of Virology</i> , 2015, 89, 4047-4050.	3.4	83
38	Ancient Transposable Elements Transformed the Uterine Regulatory Landscape and Transcriptome during the Evolution of Mammalian Pregnancy. <i>Cell Reports</i> , 2015, 10, 551-561.	6.4	249
39	DNA transposons have colonized the genome of the giant virus <i>Pandoravirus salinus</i> . <i>BMC Biology</i> , 2015, 13, 38.	3.8	50
40	A call for benchmarking transposable element annotation methods. <i>Mobile DNA</i> , 2015, 6, 13.	3.6	83
41	Mobile genetic elements and genome evolution 2014. <i>Mobile DNA</i> , 2014, 5, 26.	3.6	9
42	Recurrent Horizontal Transfers of Chapaev Transposons in Diverse Invertebrate and Vertebrate Animals. <i>Genome Biology and Evolution</i> , 2014, 6, 1375-1386.	2.5	42
43	Spy: A New Group of Eukaryotic DNA Transposons without Target Site Duplications. <i>Genome Biology and Evolution</i> , 2014, 6, 1748-1757.	2.5	28
44	Genomic Landscape of Human, Bat, and Ex Vivo DNA Transposon Integrations. <i>Molecular Biology and Evolution</i> , 2014, 31, 1816-1832.	8.9	30
45	Volatile evolution of long noncoding RNA repertoires: mechanisms and biological implications. <i>Trends in Genetics</i> , 2014, 30, 439-452.	6.7	235
46	Transposons Up the Dosage. <i>Science</i> , 2013, 342, 812-813.	12.6	3
47	The Burmese python genome reveals the molecular basis for extreme adaptation in snakes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20645-20650.	7.1	260
48	Transposable Elements Are Major Contributors to the Origin, Diversification, and Regulation of Vertebrate Long Noncoding RNAs. <i>PLoS Genetics</i> , 2013, 9, e1003470.	3.5	574
49	A resurrected mammalian <i>hAT</i> transposable element and a closely related insect element are highly active in human cell culture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E478-87.	7.1	46
50	Genome-Wide Characterization of Endogenous Retroviruses in the Bat <i>Myotis lucifugus</i> Reveals Recent and Diverse Infections. <i>Journal of Virology</i> , 2013, 87, 8493-8501.	3.4	46
51	Functional characterization of <i>piggyBat</i> from the bat <i>Myotis lucifugus</i> unveils an active mammalian DNA transposon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 234-239.	7.1	73
52	Rampant Horizontal Transfer of SPIN Transposons in Squamate Reptiles. <i>Molecular Biology and Evolution</i> , 2012, 29, 503-515.	8.9	55
53	On the transposon origins of mammalian SCAND3 and KRBA2, two zinc-finger genes carrying an integrase/transposase domain. <i>Mobile Genetic Elements</i> , 2012, 2, 205-210.	1.8	9
54	LTR Retrotransposons Contribute to Genomic Gigantism in Plethodontid Salamanders. <i>Genome Biology and Evolution</i> , 2012, 4, 168-183.	2.5	152

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55	Endogenous viruses: insights into viral evolution and impact on host biology. <i>Nature Reviews Genetics</i> , 2012, 13, 283-296.	16.3	721
56	Discovery of Highly Divergent Repeat Landscapes in Snake Genomes Using High-Throughput Sequencing. <i>Genome Biology and Evolution</i> , 2011, 3, 641-653.	2.5	87
57	An algorithm for the reconstruction of consensus sequences of ancient segmental duplications and transposon copies in eukaryotic genomes. <i>International Journal of Bioinformatics Research and Applications</i> , 2010, 6, 147.	0.2	3
58	Sequencing of <i>Culex quinquefasciatus</i> Establishes a Platform for Mosquito Comparative Genomics. <i>Science</i> , 2010, 330, 86-88.	12.6	424
59	A role for host-parasite interactions in the horizontal transfer of transposons across phyla. <i>Nature</i> , 2010, 464, 1347-1350.	27.8	231
60	Bornavirus enters the genome. <i>Nature</i> , 2010, 463, 39-40.	27.8	33
61	Promiscuous DNA: horizontal transfer of transposable elements and why it matters for eukaryotic evolution. <i>Trends in Ecology and Evolution</i> , 2010, 25, 537-546.	8.7	427
62	Genomic Fossils Calibrate the Long-Term Evolution of Hepadnaviruses. <i>PLoS Biology</i> , 2010, 8, e1000495.	5.6	126
63	Tuned for Transposition: Molecular Determinants Underlying the Hyperactivity of a <i>Stowaway</i> MITE. <i>Science</i> , 2009, 325, 1391-1394.	12.6	139
64	HorizontalSPINning of transposons. <i>Communicative and Integrative Biology</i> , 2009, 2, 117-119.	1.4	14
65	Parallel Germline Infiltration of a Lentivirus in Two Malagasy Lemurs. <i>PLoS Genetics</i> , 2009, 5, e1000425.	3.5	96
66	Exploring Repetitive DNA Landscapes Using REPCCLASS, a Tool That Automates the Classification of Transposable Elements in Eukaryotic Genomes. <i>Genome Biology and Evolution</i> , 2009, 1, 205-220.	2.5	102
67	A cornucopia of <i>Helitrons</i> shapes the maize genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19747-19748.	7.1	24
68	Dynamics of transposable elements: towards a community ecology of the genome. <i>Trends in Genetics</i> , 2009, 25, 317-323.	6.7	147
69	Repair-Mediated Duplication by Capture of Proximal Chromosomal DNA Has Shaped Vertebrate Genome Evolution. <i>PLoS Genetics</i> , 2009, 5, e1000469.	3.5	16
70	Transposable elements and the evolution of regulatory networks. <i>Nature Reviews Genetics</i> , 2008, 9, 397-405.	16.3	1,108
71	Multiple waves of recent DNA transposon activity in the bat, <i>Myotis lucifugus</i> . <i>Genome Research</i> , 2008, 18, 717-728.	5.5	154
72	Repeated horizontal transfer of a DNA transposon in mammals and other tetrapods. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17023-17028.	7.1	189

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73	The evolutionary history of human DNA transposons: Evidence for intense activity in the primate lineage. <i>Genome Research</i> , 2007, 17, 422-432.	5.5	249
74	PIF-like Transposons are Common in <i>Drosophila</i> and Have Been Repeatedly Domesticated to Generate New Host Genes. <i>Molecular Biology and Evolution</i> , 2007, 24, 1872-1888.	8.9	57
75	Convergent Domestication of pogo-like Transposases into Centromere-Binding Proteins in Fission Yeast and Mammals. <i>Molecular Biology and Evolution</i> , 2007, 25, 29-41.	8.9	112
76	A study of the repetitive structure and distribution of short motifs in human genomic sequences. <i>International Journal of Bioinformatics Research and Applications</i> , 2007, 3, 523.	0.2	5
77	Mavericks, a novel class of giant transposable elements widespread in eukaryotes and related to DNA viruses. <i>Gene</i> , 2007, 390, 3-17.	2.2	213
78	DNA Transposons and the Evolution of Eukaryotic Genomes. <i>Annual Review of Genetics</i> , 2007, 41, 331-368.	7.6	1,003
79	Massive amplification of rolling-circle transposons in the lineage of the bat <i>Myotis lucifugus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1895-1900.	7.1	154
80	Micro-repetitive Structure of Genomic Sequences and the Identification of Ancient Repeat Elements. , 2007, , .		6
81	Transposase-Derived Transcription Factors Regulate Light Signaling in <i>Arabidopsis</i> . <i>Science</i> , 2007, 318, 1302-1305.	12.6	439
82	Birth of a chimeric primate gene by capture of the transposase gene from a mobile element. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8101-8106.	7.1	219
83	The piggyBac transposon holds promise for human gene therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14981-14982.	7.1	43
84	DNA-binding specificity of rice mariner-like transposases and interactions with Stowaway MITEs. <i>Nucleic Acids Research</i> , 2005, 33, 2153-2165.	14.5	74
85	Non-mammalian c-integrases are encoded by giant transposable elements. <i>Trends in Genetics</i> , 2005, 21, 551-552.	6.7	50
86	Unexpected Diversity and Differential Success of DNA Transposons in Four Species of <i>Entamoeba</i> Protozoans. <i>Molecular Biology and Evolution</i> , 2005, 22, 1751-1763.	8.9	56
87	Merlin, a New Superfamily of DNA Transposons Identified in Diverse Animal Genomes and Related to Bacterial IS1016 Insertion Sequences. <i>Molecular Biology and Evolution</i> , 2004, 21, 1769-1780.	8.9	58
88	Using rice to understand the origin and amplification of miniature inverted repeat transposable elements (MITEs). <i>Current Opinion in Plant Biology</i> , 2004, 7, 115-119.	7.1	162
89	PIF- and Pong-Like Transposable Elements: Distribution, Evolution and Relationship With Tourist-Like Miniature Inverted-Repeat Transposable Elements. <i>Genetics</i> , 2004, 166, 971-986.	2.9	27
90	Genome-Wide Analysis of <i>mariner</i> -Like Transposable Elements in Rice Reveals Complex Relationships With <i>Stowaway</i> Miniature Inverted Repeat Transposable Elements (MITEs). <i>Genetics</i> , 2003, 163, 747-758.	2.9	152

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91	An Ac -like Transposable Element Family With Transcriptionally Active Y-Linked Copies in the White Campion, <i>Silene latifolia</i> . <i>Genetics</i> , 2003, 165, 799-807.	2.9	22
92	<i>Mariner</i> -like transposases are widespread and diverse in flowering plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 280-285.	7.1	111
93	Plant transposable elements: where genetics meets genomics. <i>Nature Reviews Genetics</i> , 2002, 3, 329-341.	16.3	854
94	Birth of a Retroposon: The Twin SINE Family from the Vector Mosquito <i>Culex pipiens</i> May Have Originated from a Dimeric tRNA Precursor. <i>Molecular Biology and Evolution</i> , 2001, 18, 74-84.	8.9	35
95	Evidence that a Family of Miniature Inverted-Repeat Transposable Elements (MITEs) from the <i>Arabidopsis thaliana</i> Genome Has Arisen from a pogo-like DNA Transposon. <i>Molecular Biology and Evolution</i> , 2000, 17, 730-737.	8.9	149
96	Recent amplification of miniature inverted-repeat transposable elements in the vector mosquito <i>Culex pipiens</i> : characterization of the Mimo family. <i>Gene</i> , 2000, 250, 109-116.	2.2	43