

Richard Cordaux

List of Publications by Year in descending order

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94
papers

6,386
citations

87888

38
h-index

74163

75
g-index

99
all docs

99
docs citations

99
times ranked

7517
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of retrotransposons on human genome evolution. <i>Nature Reviews Genetics</i> , 2009, 10, 691-703.	16.3	1,453
2	Human Genomic Deletions Mediated by Recombination between Alu Elements. <i>American Journal of Human Genetics</i> , 2006, 79, 41-53.	6.2	289
3	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
4	Melanesian and Asian Origins of Polynesians: mtDNA and Y Chromosome Gradients Across the Pacific. <i>Molecular Biology and Evolution</i> , 2006, 23, 2234-2244.	8.9	216
5	Pan-arthropod analysis reveals somatic piRNAs as an ancestral defence against transposable elements. <i>Nature Ecology and Evolution</i> , 2018, 2, 174-181.	7.8	214
6	The impact of endosymbionts on the evolution of host sex-determination mechanisms. <i>Trends in Genetics</i> , 2011, 27, 332-341.	6.7	204
7	Massive horizontal transfer of transposable elements in insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4721-4726.	7.1	184
8	Independent Origins of Indian Caste and Tribal Paternal Lineages. <i>Current Biology</i> , 2004, 14, 231-235.	3.9	176
9	Analysis of gene expression from the <i>Wolbachia</i> genome of a filarial nematode supports both metabolic and defensive roles within the symbiosis. <i>Genome Research</i> , 2012, 22, 2467-2477.	5.5	155
10	Mitochondrial DNA analysis reveals diverse histories of tribal populations from India. <i>European Journal of Human Genetics</i> , 2003, 11, 253-264.	2.8	149
11	Emergence of primate genes by retrotransposon-mediated sequence transduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 17608-17613.	7.1	141
12	Estimating the retrotransposition rate of human Alu elements. <i>Gene</i> , 2006, 373, 134-137.	2.2	136
13	Genomic rearrangements by LINE-1 insertion-mediated deletion in the human and chimpanzee lineages. <i>Nucleic Acids Research</i> , 2005, 33, 4040-4052.	14.5	127
14	The Northeast Indian Passageway: A Barrier or Corridor for Human Migrations?. <i>Molecular Biology and Evolution</i> , 2004, 21, 1525-1533.	8.9	108
15	Differential <i>Alu</i> Mobilization and Polymorphism Among the Human and Chimpanzee Lineages. <i>Genome Research</i> , 2004, 14, 1068-1075.	5.5	108
16	Retrotransposition of Alu elements: how many sources?. <i>Trends in Genetics</i> , 2004, 20, 464-467.	6.7	103
17	Extensive individual variation in L1 retrotransposition capability contributes to human genetic diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 6611-6616.	7.1	98
18	Population genomics supports baculoviruses as vectors of horizontal transfer of insect transposons. <i>Nature Communications</i> , 2014, 5, 3348.	12.8	97

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19	Viruses as vectors of horizontal transfer of genetic material in eukaryotes. <i>Current Opinion in Virology</i> , 2017, 25, 16-22.	5.4	95
20	A call for benchmarking transposable element annotation methods. <i>Mobile DNA</i> , 2015, 6, 13.	3.6	83
21	Birth of a <i>W</i> sex chromosome by horizontal transfer of <i>Wolbachia</i> bacterial symbiont genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 15036-15041.	7.1	83
22	Widespread <i>Wolbachia</i> infection in terrestrial isopods and other crustaceans. <i>ZooKeys</i> , 2012, 176, 123-131.	1.1	80
23	Alu Element Mutation Spectra: Molecular Clocks and the Effect of DNA Methylation. <i>Journal of Molecular Biology</i> , 2004, 344, 675-682.	4.2	78
24	Under the genomic radar: The Stealth model of Alu amplification. <i>Genome Research</i> , 2005, 15, 655-664.	5.5	65
25	Different evolutionary fates of recently integrated human and chimpanzee LINE-1 retrotransposons. <i>Gene</i> , 2007, 390, 18-27.	2.2	65
26	Molecular Characterization and Evolution of Arthropod-Pathogenic <i>Rickettsiella</i> Bacteria. <i>Applied and Environmental Microbiology</i> , 2007, 73, 5045-5047.	3.1	64
27	Transposable Elements and the Evolution of Insects. <i>Annual Review of Entomology</i> , 2021, 66, 355-372.	11.8	64
28	Continuous Influx of Genetic Material from Host to Virus Populations. <i>PLoS Genetics</i> , 2016, 12, e1005838.	3.5	63
29	Genomics analysis of <i>Aphanomyces</i> spp. identifies a new class of oomycete effector associated with host adaptation. <i>BMC Biology</i> , 2018, 16, 43.	3.8	62
30	Widespread conservation and lineage-specific diversification of genome-wide DNA methylation patterns across arthropods. <i>PLoS Genetics</i> , 2020, 16, e1008864.	3.5	56
31	Short- and Long-term Evolutionary Dynamics of Bacterial Insertion Sequences: Insights from <i>Wolbachia</i> Endosymbionts. <i>Genome Biology and Evolution</i> , 2011, 3, 1175-1186.	2.5	55
32	Recently integrated Alu retrotransposons are essentially neutral residents of the human genome. <i>Gene</i> , 2006, 373, 138-144.	2.2	54
33	Remarkable Abundance and Evolution of Mobile Group II Introns in <i>Wolbachia</i> Bacterial Endosymbionts. <i>Molecular Biology and Evolution</i> , 2011, 28, 685-697.	8.9	54
34	Genetic evidence for the Mongolian ancestry of Kalmyks. <i>American Journal of Physical Anthropology</i> , 2005, 128, 846-854.	2.1	52
35	Remarkable Diversity of Endogenous Viruses in a Crustacean Genome. <i>Genome Biology and Evolution</i> , 2014, 6, 2129-2140.	2.5	50
36	Conservation of the Type IV Secretion System throughout <i>Wolbachia</i> evolution. <i>Biochemical and Biophysical Research Communications</i> , 2009, 385, 557-562.	2.1	49

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37	Phylogenomics and Analysis of Shared Genes Suggest a Single Transition to Mutualism in Wolbachia of Nematodes. <i>Genome Biology and Evolution</i> , 2013, 5, 1668-1674.	2.5	49
38	Intense Transpositional Activity of Insertion Sequences in an Ancient Obligate Endosymbiont. <i>Molecular Biology and Evolution</i> , 2008, 25, 1889-1896.	8.9	44
39	The Genome of <i>Armadillidium vulgare</i> (Crustacea, Isopoda) Provides Insights into Sex Chromosome Evolution in the Context of Cytoplasmic Sex Determination. <i>Molecular Biology and Evolution</i> , 2019, 36, 727-741.	8.9	43
40	Wolbachia diversity in the Porcellionides pruinosus complex of species (Crustacea: Oniscidea): evidence for host-dependent patterns of infection. <i>Heredity</i> , 2001, 87, 428-434.	2.6	40
41	Horizontal Transfer and Evolution of Prokaryote Transposable Elements in Eukaryotes. <i>Genome Biology and Evolution</i> , 2013, 5, 822-832.	2.5	38
42	Supergroup C <i>Wolbachia</i> , mutualist symbionts of filarial nematodes, have a distinct genome structure. <i>Open Biology</i> , 2015, 5, 150099.	3.6	38
43	Evolutionary Significance of Wolbachia-to-Animal Horizontal Gene Transfer: Female Sex Determination and the f Element in the Isopod <i>Armadillidium vulgare</i> . <i>Genes</i> , 2017, 8, 186.	2.4	37
44	Phylogenomics of <i>Candidatus Hepatoplasma crinochetorum</i> , a Lineage of Mollicutes Associated with Noninsect Arthropods. <i>Genome Biology and Evolution</i> , 2014, 6, 407-415.	2.5	35
45	Diversity and evolution of sex determination systems in terrestrial isopods. <i>Scientific Reports</i> , 2017, 7, 1084.	3.3	35
46	Genetic Evidence for the Demic Diffusion of Agriculture to India. <i>Science</i> , 2004, 304, 1125-1125.	12.6	34
47	A Thirty Million Year-Old Inherited Heteroplasmy. <i>PLoS ONE</i> , 2008, 3, e2938.	2.5	34
48	Structure and Evolution of the Atypical Mitochondrial Genome of <i>Armadillidium vulgare</i> (Isopoda). <i>Trends in Microbiology</i> , 2010, 18, 33.	1.8	33
49	Chromosome-level genome assembly reveals homologous chromosomes and recombination in asexual rotifer <i>Adineta vaga</i> . <i>Science Advances</i> , 2021, 7, eabg4216.	10.3	30
50	In search of polymorphic Alu insertions with restricted geographic distributions. <i>Genomics</i> , 2007, 90, 154-158.	2.9	29
51	South Asia, the Andamanese, and the Genetic Evidence for an "Early" Human Dispersal out of Africa. <i>American Journal of Human Genetics</i> , 2003, 72, 1586-1590.	6.2	25
52	A SINE-based dichotomous key for primate identification. <i>Gene</i> , 2007, 390, 39-51.	2.2	25
53	Wide spectrum and high frequency of genomic structural variation, including transposable elements, in large double-stranded DNA viruses. <i>Virus Evolution</i> , 2020, 6, vez060.	4.9	24
54	Comparative paleovirological analysis of crustaceans identifies multiple widespread viral groups. <i>Mobile DNA</i> , 2015, 6, 16.	3.6	22

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55	ISWpi1 from <i>Wolbachia pipientis</i> defines a novel group of insertion sequences within the IS5 family. <i>Gene</i> , 2008, 409, 20-27.	2.2	21
56	DO PHAGES EFFICIENTLY SHUTTLE TRANSPOSABLE ELEMENTS AMONG PROKARYOTES?. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 3327-3331.	2.3	20
57	Analyzing Horizontal Transfer of Transposable Elements on a Large Scale: Challenges and Prospects. <i>BioEssays</i> , 2018, 40, 1700177.	2.5	20
58	Sex chromosomes control vertical transmission of feminizing <i>Wolbachia</i> symbionts in an isopod. <i>PLoS Biology</i> , 2019, 17, e3000438.	5.6	20
59	Gene Conversion Maintains Nonfunctional Transposable Elements in an Obligate Mutualistic Endosymbiont. <i>Molecular Biology and Evolution</i> , 2009, 26, 1679-1682.	8.9	19
60	Selection-Driven Extinction Dynamics for Group II Introns in Enterobacteriales. <i>PLoS ONE</i> , 2012, 7, e52268.	2.5	17
61	Untangling Heteroplasmy, Structure, and Evolution of an Atypical Mitochondrial Genome by PacBio Sequencing. <i>Genetics</i> , 2017, 207, 269-280.	2.9	17
62	Investigating the Molecular Genetic Basis of Cytoplasmic Sex Determination Caused by <i>Wolbachia</i> Endosymbionts in Terrestrial Isopods. <i>Genes</i> , 2018, 9, 290.	2.4	17
63	Teaching an old dog new tricks: SINEs of canine genomic diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1157-1158.	7.1	15
64	Multiple Conserved Heteroplasmic Sites in tRNA Genes in the Mitochondrial Genomes of Terrestrial Isopods (Oniscidea). <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 1317-1322.	1.8	13
65	Modeling the Amplification Dynamics of Human Alu Retrotransposons. <i>PLoS Computational Biology</i> , 2005, 1, e44.	3.2	12
66	Evolutionary Dynamics and Genomic Impact of Prokaryote Transposable Elements. , 2011, , 291-312.		12
67	Cargo capacity of phages and plasmids and other factors influencing horizontal transfers of prokaryote transposable elements. <i>Mobile Genetic Elements</i> , 2012, 2, 115-118.	1.8	12
68	Comparative Genomics of Strictly Vertically Transmitted, Feminizing Microsporidia Endosymbionts of Amphipod Crustaceans. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	12
69	Shedding Light on the Antimicrobial Peptide Arsenal of Terrestrial Isopods: Focus on Armadillidins, a New Crustacean AMP Family. <i>Genes</i> , 2020, 11, 93.	2.4	12
70	The human genome in the LINE of fire. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19033-19034.	7.1	11
71	The complete mitochondrial genome of <i>Gammarus roeselii</i> (Crustacea, Amphipoda): insights into mitogenome plasticity and evolution. <i>Hydrobiologia</i> , 2018, 825, 197-210.	2.0	11
72	Insertion Sequence Inversions Mediated by Ectopic Recombination between Terminal Inverted Repeats. <i>PLoS ONE</i> , 2010, 5, e15654.	2.5	11

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73	Isolation and Characterization of Microsatellite Loci for the Isopod Crustacean <i>Armadillidium vulgare</i> and Transferability in Terrestrial Isopods. <i>PLoS ONE</i> , 2013, 8, e76639.	2.5	11
74	Signs of Neutralization in a Redundant Gene Involved in Homologous Recombination in <i>Wolbachia</i> Endosymbionts. <i>Genome Biology and Evolution</i> , 2014, 6, 2654-2664.	2.5	10
75	Impact of transposable elements on genome size variation between two closely related crustacean species. <i>Analytical Biochemistry</i> , 2020, 600, 113770.	2.4	9
76	Monitoring Insect Transposable Elements in Large Double-Stranded DNA Viruses Reveals Host-to-Virus and Virus-to-Virus Transposition. <i>Molecular Biology and Evolution</i> , 2021, 38, 3512-3530.	8.9	8
77	Fine-scale population structure analysis in <i>Armadillidium vulgare</i> (Isopoda: Oniscidea) reveals strong female philopatry. <i>Acta Oecologica</i> , 2019, 101, 103478.	1.1	6
78	Draft Genome Sequences of <i>Thelohania contejeani</i> and <i>Cucumispora dikerogammari</i> , Pathogenic Microsporidia of Freshwater Crustaceans. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	6
79	Evolutionary transition to XY sex chromosomes associated with Y-linked duplication of a male hormone gene in a terrestrial isopod. <i>Heredity</i> , 2021, 127, 266-277.	2.6	5
80	Feminization of the Isopod <i>Cylisticus convexus</i> after Transinfection of the wVulC <i>Wolbachia</i> Strain of <i>Armadillidium vulgare</i> . <i>PLoS ONE</i> , 2015, 10, e0128660.	2.5	5
81	Dataset for sequencing and de novo assembly of the European endangered white-clawed crayfish (<i>Austropotamobius pallipes</i>) abdominal muscle transcriptome. <i>Data in Brief</i> , 2020, 29, 105166.	1.0	3
82	Characterization of a Sex-Determining Region and Its Genomic Context via Statistical Estimates of Haplotype Frequencies in Daughters and Sons Sequenced in Pools. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	3
83	Development of a microsatellite primer set to investigate the genetic population structure of <i>Armadillidium nasatum</i> (Crustacea, Oniscidea). <i>Journal of Genetics</i> , 2014, 93, 545-549.	0.7	2
84	Female-biased sex ratios unrelated to <i>Wolbachia</i> infection in European species of the <i>Jaera albifrons</i> complex (marine isopods). <i>Journal of Experimental Marine Biology and Ecology</i> , 2018, 509, 91-98.	1.5	2
85	Humans. <i>Current Biology</i> , 2004, 14, R367-R369.	3.9	1
86	Genomic context drives transcription of insertion sequences in the bacterial endosymbiont <i>Wolbachia</i> wVulC. <i>Gene</i> , 2015, 564, 81-86.	2.2	1
87	The 2019 FASEB Science Research Conference on The Mobile DNA Conference: 25 Years of Discussion and Research, June 23â€“28, Palm Springs, California, USA. <i>FASEB Journal</i> , 2019, 33, 11625-11628.	0.5	1
88	Y-STR haplotypes from eight south Indian groups based on five loci. <i>Journal of Forensic Sciences</i> , 2004, 49, 847-8.	1.6	1
89	Title is missing!. , 2020, 16, e1008864.		0
90	Title is missing!. , 2020, 16, e1008864.		0

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91	Title is missing!. , 2020, 16, e1008864.		0
92	Title is missing!. , 2020, 16, e1008864.		0
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