

# Andre R O Cavalcanti

## List of Publications by Year in descending order

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45  
papers

1,091  
citations

516710

16  
h-index

414414

32  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1302  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extent of Gene Duplication in the Genomes of <i>Drosophila</i> , Nematode, and Yeast. <i>Molecular Biology and Evolution</i> , 2002, 19, 256-262.	8.9	422
2	Factors influencing codon usage bias in genomes. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, .	0.6	40
3	The Pathway to Detangle a Scrambled Gene. <i>PLoS ONE</i> , 2008, 3, e2330.	2.5	39
4	Patterns of Gene Duplication in <i>Saccharomyces cerevisiae</i> and <i>Caenorhabditis elegans</i> . <i>Journal of Molecular Evolution</i> , 2003, 56, 28-37.	1.8	37
5	Conservation of tandem stop codons in yeasts. <i>Genome Biology</i> , 2005, 6, R31.	9.6	36
6	Sequencing the <i>Oxytricha trifallax</i> macronuclear genome: a pilot project. <i>Trends in Genetics</i> , 2003, 19, 603-607.	6.7	34
7	Patterns of Codon Usage in two Ciliates that Reassign the Genetic Code: <i>Tetrahymena thermophila</i> and <i>Paramecium tetraurelia</i> . <i>Protist</i> , 2008, 159, 283-298.	1.5	32
8	Inter-colony comparison of diving behavior of an Arctic top predator: implications for warming in the Greenland Sea. <i>Marine Ecology - Progress Series</i> , 2011, 440, 229-240.	1.9	32
9	MDS_IES_DB: a database of macronuclear and micronuclear genes in spirotrichous ciliates. <i>Nucleic Acids Research</i> , 2004, 33, D396-D398.	14.5	29
10	Tandem Stop Codons in Ciliates That Reassign Stop Codons. <i>Journal of Molecular Evolution</i> , 2009, 68, 424-431.	1.8	28
11	Coding properties of <i>Oxytricha trifallax</i> ( <i>Sterkiella histriomuscorum</i> ) macronuclear chromosomes: analysis of a pilot genome project. <i>Chromosoma</i> , 2004, 113, 69-76.	2.2	27
12	Decoding the Decoding Region: Analysis of Eukaryotic Release Factor (eRF1) Stop Codon-Binding Residues. <i>Journal of Molecular Evolution</i> , 2005, 60, 337-344.	1.8	26
13	Multiple Independent Fusions of Glucose-6-Phosphate Dehydrogenase with Enzymes in the Pentose Phosphate Pathway. <i>PLoS ONE</i> , 2011, 6, e22269.	2.5	26
14	Sequence Features of <i>Oxytricha trifallax</i> (Class Spirotrichea) Macronuclear Telomeric and Subtelomeric Sequences. <i>Protist</i> , 2004, 155, 311-322.	1.5	24
15	Interconversion of Germline-Limited and Somatic DNA in a Scrambled Gene. <i>Journal of Molecular Evolution</i> , 2006, 63, 69-73.	1.8	19
16	On the Classes of Aminoacyl-tRNA Synthetases and the Error Minimization in the Genetic Code. <i>Journal of Theoretical Biology</i> , 2000, 204, 15-20.	1.7	18
17	On the Classes of Aminoacyl-tRNA Synthetases, Amino Acids and the Genetic Code. <i>Origins of Life and Evolution of Biospheres</i> , 2004, 34, 407-420.	1.9	18
18	Spliced leader trans-splicing. <i>Current Biology</i> , 2006, 16, R8-R9.	3.9	18

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19	Reciprocal Fusions of Two Genes in the Formaldehyde Detoxification Pathway in Ciliates and Diatoms. <i>Molecular Biology and Evolution</i> , 2005, 22, 1539-1542.	8.9	16
20	Consequences of Stop Codon Reassignment on Protein Evolution in Ciliates with Alternative Genetic Codes. <i>Molecular Biology and Evolution</i> , 2007, 25, 179-186.	8.9	15
21	An Alternative Look at Code Evolution: Using Non-canonical Codes to Evaluate Adaptive and Historic Models for the Origin of the Genetic Code. <i>Journal of Molecular Evolution</i> , 2013, 76, 71-80.	1.8	14
22	Detection of gene duplications and block duplications in eukaryotic genomes. <i>Journal of Structural and Functional Genomics</i> , 2003, 3, 27-34.	1.2	12
23	Vestiges of early molecular processes leading to the genetic code. , 1997, 27, 397-403.		11
24	Assessment of a DNA vaccine encoding an anchored-glycosylphosphatidylinositol tegumental antigen complexed to protamine sulphate on immunoprotection against murine schistosomiasis. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2007, 102, 21-27.	1.6	11
25	Selection for tandem stop codons in ciliate species with reassigned stop codons. <i>PLoS ONE</i> , 2019, 14, e0225804.	2.5	11
26	Gene Unscrambler for detangling scrambled genes in ciliates. <i>Bioinformatics</i> , 2004, 20, 800-802.	4.1	10
27	Detection of Fused Genes in Eukaryotic Genomes using Gene deFuser: Analysis of the <i>Tetrahymena thermophila</i> genome. <i>BMC Bioinformatics</i> , 2011, 12, 279.	2.6	10
28	Ambushing the ambush hypothesis: predicting and evaluating off-frame codon frequencies in Prokaryotic Genomes. <i>BMC Genomics</i> , 2013, 14, 418.	2.8	10
29	A Model for the Evolution of Extremely Fragmented Macronuclei in Ciliates. <i>PLoS ONE</i> , 2013, 8, e64997.	2.5	9
30	1+1=3: A Fusion of 2 Enzymes in the Methionine Salvage Pathway of <i>Tetrahymena thermophila</i> Creates a Trifunctional Enzyme That Catalyzes 3 Steps in the Pathway. <i>PLoS Genetics</i> , 2009, 5, e1000701.	3.5	8
31	Carbon and nitrogen in the topsoils of Inceptisols and Mollisols under native sage scrub and non-native grasslands in southern California. <i>Geoderma Regional</i> , 2018, 14, e00172.	2.1	8
32	Genetic Code: What Nature Missed. <i>Current Biology</i> , 2003, 13, R884-R885.	3.9	5
33	On the Paucity of Duplicated Genes in <i>Caenorhabditis elegans</i> Operons. <i>Journal of Molecular Evolution</i> , 2006, 62, 765-771.	1.8	5
34	Novel Population Genetics in Ciliates due to Life Cycle and Nuclear Dimorphism. <i>Molecular Biology and Evolution</i> , 2014, 31, 2084-2093.	8.9	5
35	Amitotic Chromosome Loss Predicts Distinct Patterns of Senescence and Non-Senescence in Ciliates. <i>Protist</i> , 2015, 166, 224-233.	1.5	5
36	Using NCBI BLAST. <i>Current Protocols in Essential Laboratory Techniques</i> , 2017, 14, 11.1.1.	2.6	5

#	ARTICLE	IF	CITATIONS
37	Genetic code. <i>Current Biology</i> , 2004, 14, R147.	3.9	3
38	Using NCBI BLAST. <i>Current Protocols in Essential Laboratory Techniques</i> , 2014, 8, 11.1.1.	2.6	3
39	Soil bacterial assemblage responses to wildfire in low elevation southern California habitats. <i>PLoS ONE</i> , 2022, 17, e0266256.	2.5	3
40	On the relative content of G,C bases in codons of amino acids corresponding to class I and II aminoacyl-tRNA synthetases. , 2001, 31, 257-269.		2
41	Insights into a Biological Computer: Detangling Scrambled Genes in Ciliates. , 2006, , 349-359.		2
42	Fusion of the subunits $\hat{1}$ and $\hat{2}$ of succinyl-CoA synthetase as a phylogenetic marker for Pezizomycotina fungi. <i>Genetics and Molecular Biology</i> , 2011, 34, 669-675.	1.3	1
43	Using NCBI BLAST. <i>Current Protocols in Essential Laboratory Techniques</i> , 2009, 1, 11.1.1.	2.6	1
44	Detection of gene duplications and block duplications in eukaryotic genomes. , 2003, , 27-34.		1
45	Genetic code. <i>Current Biology</i> , 2004, 14, R147.	3.9	0