

Giuseppe D'onofrio

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,114
citations

516681

16
h-index

677123

22
g-index

22
all docs

22
docs citations

22
times ranked

825
citing authors

#	ARTICLE	IF	CITATIONS
1	The distribution of genes in the human genome. <i>Gene</i> , 1991, 100, 181-187.	2.2	255
2	Correlations between the compositional properties of human genes, codon usage, and amino acid composition of proteins. <i>Journal of Molecular Evolution</i> , 1991, 32, 504-510.	1.8	174
3	The correlation of protein hydropathy with the base composition of coding sequences. <i>Gene</i> , 1999, 238, 3-14.	2.2	82
4	Second codon positions of genes and the secondary structures of proteins. Relationships and implications for the origin of the genetic code. <i>Gene</i> , 2000, 261, 63-69.	2.2	79
5	The compositional properties of human genes. <i>Journal of Molecular Evolution</i> , 1991, 32, 493-503.	1.8	71
6	A universal compositional correlation among codon positions. <i>Gene</i> , 1992, 110, 81-88.	2.2	66
7	Translational Selection on Codon Usage in <i>Xenopus laevis</i> . <i>Molecular Biology and Evolution</i> , 2001, 18, 1703-1707.	8.9	56
8	The base composition of the genes is correlated with the secondary structures of the encoded proteins. <i>Gene</i> , 2002, 300, 179-187.	2.2	53
9	Evolutionary Genomics of Vertebrates and Its Implications. <i>Annals of the New York Academy of Sciences</i> , 1999, 870, 81-94.	3.8	34
10	Base composition and expression level of human genes. <i>Gene</i> , 2004, 325, 165-169.	2.2	34
11	Specific compositional patterns of synonymous positions in homologous mammalian genes. <i>Journal of Molecular Evolution</i> , 1995, 40, 293-307.	1.8	29
12	Correlations of nucleotide substitution rates and base composition of mammalian coding sequences with protein structure. <i>Gene</i> , 1999, 238, 23-31.	2.2	28
13	Expression patterns and gene distribution in the human genome. <i>Gene</i> , 2002, 300, 155-160.	2.2	28
14	Different functional classes of genes are characterized by different compositional properties. <i>FEBS Letters</i> , 2007, 581, 5819-5824.	2.8	26
15	Nonrandom frequency patterns of synonymous substitutions in homologous mammalian genes. <i>Journal of Molecular Evolution</i> , 1995, 40, 280-292.	1.8	23
16	The compositional transition between the genomes of cold- and warm-blooded vertebrates: codon frequencies in orthologous genes. <i>Gene</i> , 2000, 261, 71-83.	2.2	19
17	The footprint of metabolism in the organization of mammalian genomes. <i>BMC Genomics</i> , 2012, 13, 174.	2.8	15
18	On the genome base composition of teleosts: the effect of environment and lifestyle. <i>BMC Genomics</i> , 2016, 17, 173.	2.8	15

#	ARTICLE	IF	CITATIONS
19	Metabolic rate and genomic GC. What we can learn from teleost fish. <i>Marine Genomics</i> , 2010, 3, 29-34.	1.1	12
20	Length and GC Content Variability of Introns among Teleostean Genomes in the Light of the Metabolic Rate Hypothesis. <i>PLoS ONE</i> , 2014, 9, e103889.	2.5	8
21	The compositional transition of vertebrate genomes: an analysis of the secondary structure of the proteins encoded by human genes. <i>Gene</i> , 2005, 345, 27-33.	2.2	6
22	Lifestyle and DNA base composition in polychaetes. <i>Physiological Genomics</i> , 2016, 48, 883-888.	2.3	1