

# Anthony V Furano

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,476  
citations

471509

17  
h-index

677142

22  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1497  
citing authors

#	ARTICLE	IF	CITATIONS
1	L1 (LINE-1) Retrotransposon Evolution and Amplification in Recent Human History. <i>Molecular Biology and Evolution</i> , 2000, 17, 915-928.	8.9	285
2	Selection Against Deleterious LINE-1-Containing Loci in the Human Lineage. <i>Molecular Biology and Evolution</i> , 2001, 18, 926-935.	8.9	169
3	The biological properties and evolutionary dynamics of mammalian LINE-1 retrotransposons. <i>Progress in Molecular Biology and Translational Science</i> , 2000, 64, 255-294.	1.9	167
4	Fitness cost of LINE-1 (L1) activity in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9590-9594.	7.1	124
5	Adaptive Evolution in LINE-1 Retrotransposons. <i>Molecular Biology and Evolution</i> , 2001, 18, 2186-2194.	8.9	100
6	The Insertional History of an Active Family of L1 Retrotransposons in Humans. <i>Genome Research</i> , 2004, 14, 1221-1231.	5.5	100
7	Repair of naturally occurring mismatches can induce mutations in flanking DNA. <i>ELife</i> , 2014, 3, e02001.	6.0	80
8	The mutational spectrum of non-CpG DNA varies with CpG content. <i>Genome Research</i> , 2010, 20, 875-882.	5.5	60
9	Phosphorylation of ORF1p is required for L1 retrotransposition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4298-4303.	7.1	60
10	CpG dinucleotides and the mutation rate of non-CpG DNA. <i>Genome Research</i> , 2008, 18, 1403-1414.	5.5	58
11	Polymerization and nucleic acid-binding properties of human L1 ORF1 protein. <i>Nucleic Acids Research</i> , 2012, 40, 813-827.	14.5	52
12	Determination of the evolutionary relationships in <i>Rattus sensu lato</i> (Rodentia : Muridae) using L1 (LINE-1) amplification events. <i>Journal of Molecular Evolution</i> , 1997, 45, 424-436.	1.8	36
13	Rapid evolution of a young L1 (LINE-1) clade in recently speciated <i>rattus</i> taxa. <i>Journal of Molecular Evolution</i> , 1997, 45, 412-423.	1.8	34
14	L1 retrotransposition requires rapid ORF1p oligomerization, a novel coiled coil-dependent property conserved despite extensive remodeling. <i>Nucleic Acids Research</i> , 2016, 44, 281-293.	14.5	33
15	The Conservation of DNA Sequences over Very Long Periods of Evolutionary Time. Evidence against Intergenic Chromosomal Transfer as an Explanation for the Presence of <i>Escherichia coli</i> <i>tuf</i> Gene Sequences in Taxonomically-Unrelated Prokaryotes. <i>FEBS Journal</i> , 1981, 120, 69-77.	0.2	29
16	Protein-nucleic acid interactions of LINE-1 ORF1p. <i>Seminars in Cell and Developmental Biology</i> , 2019, 86, 140-149.	5.0	21
17	Breaking bad: The mutagenic effect of DNA repair. <i>DNA Repair</i> , 2015, 32, 43-51.	2.8	19
18	The Subcellular Distribution and State of the Elongation Factor Tu in Extracts of <i>Escherichia coli</i> B. <i>FEBS Journal</i> , 1976, 64, 597-606.	0.2	18

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19	Perturbation of base excision repair sensitizes breast cancer cells to APOBEC3 deaminase-mediated mutations. <i>ELife</i> , 2020, 9, .	6.0	13
20	The challenge of ORF1p phosphorylation: Effects on L1 activity and its host. <i>Mobile Genetic Elements</i> , 2016, 6, e1119927.	1.8	9
21	Cryptic genetic variation enhances primate L1 retrotransposon survival by enlarging the functional coiled coil sequence space of ORF1p. <i>PLoS Genetics</i> , 2020, 16, e1008991.	3.5	6
22	Demethylation and specific remethylation of the promoter-like region of the L family of mammalian transposable elements. <i>Cell Biophysics</i> , 1989, 15, 61-66.	0.4	3
23	Title is missing!. , 2020, 16, e1008991.		0
24	Title is missing!. , 2020, 16, e1008991.		0
25	Title is missing!. , 2020, 16, e1008991.		0
26	Title is missing!. , 2020, 16, e1008991.		0