

# Francesco Catania

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

759  
citations

759055

12  
h-index

552653

26  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1108  
citing authors

#	ARTICLE	IF	CITATIONS
1	World-wide survey of an Accord insertion and its association with DDT resistance in <i>Drosophila melanogaster</i> . <i>Molecular Ecology</i> , 2004, 13, 2491-2504.	2.0	131
2	Environmental heat stress induces epigenetic transgenerational inheritance of robustness in parthenogenetic <i>Artemia</i> model. <i>FASEB Journal</i> , 2014, 28, 3552-3563.	0.2	116
3	The Repatterning of Eukaryotic Genomes by Random Genetic Drift. <i>Annual Review of Genomics and Human Genetics</i> , 2011, 12, 347-366.	2.5	114
4	Genetic Diversity in the <i>Paramecium aurelia</i> Species Complex. <i>Molecular Biology and Evolution</i> , 2009, 26, 421-431.	3.5	82
5	Where Do Introns Come From?. <i>PLoS Biology</i> , 2008, 6, e283.	2.6	54
6	An RFLP database for authentication of commercial cyst samples of the brine shrimp <i>Artemia</i> spp. (International Study on <i>Artemia</i> LXX). <i>Aquaculture</i> , 2004, 231, 93-112.	1.7	33
7	In vivo competition and horizontal gene transfer among distinct <i>Staphylococcus aureus</i> lineages as major drivers for adaptational changes during long-term persistence in humans. <i>BMC Microbiology</i> , 2018, 18, 152.	1.3	24
8	Endogenous Mechanisms for the Origins of Spliceosomal Introns. <i>Journal of Heredity</i> , 2009, 100, 591-596.	1.0	19
9	Spliced DNA Sequences in the <i>Paramecium</i> Germline: Their Properties and Evolutionary Potential. <i>Genome Biology and Evolution</i> , 2013, 5, 1200-1211.	1.1	19
10	The hologenome concept: we need to incorporate function. <i>Theory in Biosciences</i> , 2017, 136, 89-98.	0.6	17
11	Insulin-like signaling within and beyond metazoans. <i>Biological Chemistry</i> , 2018, 399, 851-857.	1.2	17
12	Environmentally induced plasticity of programmed DNA elimination boosts somatic variability in <i>Paramecium tetraurelia</i> . <i>Genome Research</i> , 2019, 29, 1693-1704.	2.4	17
13	A simple model to explain evolutionary trends of eukaryotic gene architecture and expression. <i>BioEssays</i> , 2013, 35, 561-570.	1.2	13
14	On the path to genetic novelties: insights from programmed DNA elimination and RNA splicing. <i>Wiley Interdisciplinary Reviews RNA</i> , 2015, 6, 547-561.	3.2	11
15	Global climate change, diet, and the complex relationship between human host and microbiome: Towards an integrated picture. <i>BioEssays</i> , 2021, 43, e2100049.	1.2	9
16	African Sequence Variation Accounts for Most of the Sequence Polymorphism in Non-African <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2005, 170, 1701-1709.	1.2	8
17	From intronization to intron loss: How the interplay between mRNA-associated processes can shape the architecture and the expression of eukaryotic genes. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 91, 136-144.	1.2	8
18	Linking autoimmunity to the origin of the adaptive immune system. <i>Evolution, Medicine and Public Health</i> , 2018, 2018, 2-12.	1.1	7

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19	Does Cancer Biology Rely on Parrondo's Principles?. <i>Cancers</i> , 2021, 13, 2197.	1.7	7
20	Cis-acting signals modulate the efficiency of programmed DNA elimination in <i>Paramecium tetraurelia</i> . <i>Nucleic Acids Research</i> , 2015, 43, 8157-8168.	6.5	6
21	mRNA-Associated Processes and Their Influence on Exon-Intron Structure in <i>Drosophila melanogaster</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1617-1626.	0.8	6
22	What's Genetic Variation Got to Do with It? Starvation-Induced Self-Fertilization Enhances Survival in <i>Paramecium</i> . <i>Genome Biology and Evolution</i> , 2020, 12, 626-638.	1.1	6
23	Exploring the Impact of Cleavage and Polyadenylation Factors on Pre-mRNA Splicing Across Eukaryotes. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 2107-2114.	0.8	6
24	Historic occurrence of parthenogenetic <i>Artemia</i> in Great Salt Lake, USA, as demonstrated by molecular analysis of field samples. <i>Journal of Great Lakes Research</i> , 2013, 39, 47-55.	0.8	5
25	Cross-Generational Effects and Non-random Developmental Response to Temperature Variation in <i>Paramecium</i> . <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 584219.	1.8	4
26	Fifty Generations of Amitosis: Tracing Asymmetric Allele Segregation in Polyploid Cells with Single-Cell DNA Sequencing. <i>Microorganisms</i> , 2021, 9, 1979.	1.6	4
27	One cell, two gears: extensive somatic genome plasticity accompanies high germline genome stability in <i>Paramecium</i> . <i>Genome Biology and Evolution</i> , 2021, , .	1.1	4
28	Non-African Origin of a Local Beneficial Mutation in <i>D. melanogaster</i> . <i>Molecular Biology and Evolution</i> , 2005, 22, 265-272.	3.5	3
29	Bridging Tumorigenesis and Therapy Resistance With a Non-Darwinian and Non-Lamarckian Mechanism of Adaptive Evolution. <i>Frontiers in Oncology</i> , 2021, 11, 732081.	1.3	3
30	Evolutionary dynamics of a conserved sequence motif in the ribosomal genes of the ciliate <i>Paramecium</i> . <i>BMC Evolutionary Biology</i> , 2010, 10, 129.	3.2	2