Emmanuel Giudice

List of Publications by Year
in descending order

28 papers	1,474 citations	516710 16 h-index	501196 28 g-index
32 all docs	32 docs citations	32 times ranked	1740 citing authors

#	Article	IF	Citations
1	Insights into the ribosomal transâ€translation rescue system: lessons from recent structural studies. FEBS Journal, 2023, 290, 1461-1472.	4.7	1
2	Trans-Translation Is an Appealing Target for the Development of New Antimicrobial Compounds. Microorganisms, 2022, 10, 3.	3.6	7
3	Substrate recognition and cryo-EM structure of the ribosome-bound TAC toxin of Mycobacterium tuberculosis. Nature Communications, 2022, 13, 2641.	12.8	5
4	Structures of tmRNA and SmpB as they transit through the ribosome. Nature Communications, 2021, 12, 4909.	12.8	16
5	Capsicumicine, a New Bioinspired Peptide from Red Peppers Prevents Staphylococcal Biofilm In Vitro and In Vivo via a Matrix Anti-Assembly Mechanism of Action. Microbiology Spectrum, 2021, 9, e0047121.	3.0	2
6	Red pepper peptide coatings control Staphylococcus epidermidis adhesion and biofilm formation. International Journal of Pharmaceutics, 2020, 574, 118872.	5.2	12
7	The structure of an elongation factor G-ribosome complex captured in the absence of inhibitors. Nucleic Acids Research, 2018, 46, 3211-3217.	14.5	14
8	Dystrophin's central domain forms a complex filament that becomes disorganized by in-frame deletions. Journal of Biological Chemistry, 2018, 293, 6637-6646.	3.4	19
9	A Genetic Tool to Quantify trans-Translation Activity in Vivo. Journal of Molecular Biology, 2017, 429, 3617-3625.	4.2	11
10	Becker muscular dystrophy severity is linked to the structure of dystrophin. Human Molecular Genetics, 2015, 24, 1267-1279.	2.9	71
11	Mechanism of eIF6 release from the nascent 60S ribosomal subunit. Nature Structural and Molecular Biology, 2015, 22, 914-919.	8.2	168
12	Trans-translation exposed: understanding the structures and functions of tmRNA-SmpB. Frontiers in Microbiology, 2014, 5, 113.	3.5	39
13	Visualizing Compaction of Polysomes in Bacteria. Journal of Molecular Biology, 2014, 426, 377-388.	4.2	12
14	Molecular Clues about the Dystrophinâ€“Neuronal Nitric Oxide Synthase Interaction: A Theoretical Approach. Biochemistry, 2013, 52, 7777-7784.	2.5	10
15	The task force that rescues stalled ribosomes in bacteria. Trends in Biochemical Sciences, 2013, 38, 403-411.	7.5	46
16	Structural organization of the polysomes adjacent to mammalian processing bodies (P-bodies). RNA Biology, 2013, 10, 314-320.	3.1	14
17	Computational Study of the Human Dystrophin Repeats: Interaction Properties and Molecular Dynamics. PLoS ONE, 2011, 6, e23819.	2.5	26
18	Importance of viral genomic composition in modulating glycoprotein content on the surface of influenza virus particles. Virology, 2011, 414, 51-62.	2.4	36

#	Article	IF	Citations
19	tmRNAâ€“SmpB: a journey to the centre of the bacterial ribosome. EMBO Journal, 2010, 29, 3810-3818.	7.8	51
20	Biochemical and Biophysical Characterization of the Mg2+-induced 90-kDa Heat Shock Protein Oligomers. Journal of Biological Chemistry, 2010, 285, 15100-15110.	3.4	26
21	Apoâ€Hsp90 coexists in two open conformational states in solution. Biology of the Cell, 2008, 100, 413-425.	2.0	62
22	Molecular Dynamics Simulations of the 136 Unique Tetranucleotide Sequences of DNA Oligonucleotides. II: Sequence Context Effects on the Dynamical Structures of the 10 Unique Dinucleotide Steps. Biophysical Journal, 2005, 89, 3721-3740.	0.5	216
23	Molecular Dynamics Simulations of the 136 Unique Tetranucleotide Sequences of DNA Oligonucleotides. I. Research Design and Results on d(CpG) Steps. Biophysical Journal, 2004, 87, 3799-3813.	0.5	245
24	Nucleic Acid Base Pair Dynamics:Â The Impact of Sequence and Structure Using Free-Energy Calculations. Journal of the American Chemical Society, 2003, 125, 4998-4999.	13.7	46
25	Base pair opening within B-DNA: free energy pathways for GC and AT pairs from umbrella sampling simulations. Nucleic Acids Research, 2003, 31, 1434-1443.	14.5	153
26	Simulations of Nucleic Acids and Their Complexes. Accounts of Chemical Research, 2002, 35, 350-357.	15.6	116
27	Analysis of peptide rotational diffusion by homonuclear NMR. Biopolymers, 2002, 63, 335-342.	2.4	2
28	Energetic and Conformational Aspects of A:T Base-Pair Opening within the DNA Double Helix. ChemPhysChem, 2001, 2, 673-677.	2.1	42