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	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
2	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
3	Mechanism of eIF6 release from the nascent 60S ribosomal subunit. Nature Structural and Molecular Biology, 2015, 22, 914-919.	8.2	168
4	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
5	Simulations of Nucleic Acids and Their Complexes. Accounts of Chemical Research, 2002, 35, 350-357.	15.6	116
6	Becker muscular dystrophy severity is linked to the structure of dystrophin. Human Molecular Genetics, 2015, 24, 1267-1279.	2.9	71
7	Apoâ€Hsp90 coexists in two open conformational states in solution. Biology of the Cell, 2008, 100, 413-425.	2.0	62
8	tmRNAâ€“SmpB: a journey to the centre of the bacterial ribosome. EMBO Journal, 2010, 29, 3810-3818.	7.8	51
9	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
10	The task force that rescues stalled ribosomes in bacteria. Trends in Biochemical Sciences, 2013, 38, 403-411.	7.5	46
11	Energetic and Conformational Aspects of A:T Base-Pair Opening within the DNA Double Helix. ChemPhysChem, 2001, 2, 673-677.	2.1	42
12	Trans-translation exposed: understanding the structures and functions of tmRNA-SmpB. Frontiers in Microbiology, 2014, 5, 113.	3.5	39
13	Importance of viral genomic composition in modulating glycoprotein content on the surface of influenza virus particles. Virology, 2011, 414, 51-62.	2.4	36
14	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
15	Computational Study of the Human Dystrophin Repeats: Interaction Properties and Molecular Dynamics. PLoS ONE, 2011, 6, e23819.	2.5	26
16	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
17	Structures of tmRNA and SmpB as they transit through the ribosome. Nature Communications, 2021, 12, 4909.	12.8	16
18	Structural organization of the polysomes adjacent to mammalian processing bodies (P-bodies). RNA Biology, 2013, 10, 314-320.	3.1	14

#	Article	IF	Citations
19	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
20	Visualizing Compaction of Polysomes in Bacteria. Journal of Molecular Biology, 2014, 426, 377-388.	4.2	12
21	Red pepper peptide coatings control Staphylococcus epidermidis adhesion and biofilm formation. International Journal of Pharmaceutics, 2020, 574, 118872.	5.2	12
22	A Genetic Tool to Quantify trans-Translation Activity in Vivo. Journal of Molecular Biology, 2017, 429, 3617-3625.	4.2	11
23	Molecular Clues about the Dystrophinâ€“Neuronal Nitric Oxide Synthase Interaction: A Theoretical Approach. Biochemistry, 2013, 52, 7777-7784.	2.5	10
24	Trans-Translation Is an Appealing Target for the Development of New Antimicrobial Compounds. Microorganisms, 2022, 10, 3.	3.6	7
25	Substrate recognition and cryo-EM structure of the ribosome-bound TAC toxin of Mycobacterium tuberculosis. Nature Communications, 2022, 13, 2641.	12.8	5
26	Analysis of peptide rotational diffusion by homonuclear NMR. Biopolymers, 2002, 63, 335-342.	2.4	2
27	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
28	Insights into the ribosomal transâ€translation rescue system: lessons from recent structural studies. FEBS Journal, 2023, 290, 1461-1472.	4.7	1