Ignacio Faustino

List of Publications by Year
in descending order

19 papers	2,156 citations	623734 14 h-index	794594 19 g-index
19 all docs	19 docs citations	19 times ranked	2693 citing authors

#	Article	IF	Citations
1	Parmbsc1: a refined force field for DNA simulations. Nature Methods, 2016, 13, 55-58.	19.0	790
2	Martini 3: a general purpose force field for coarse-grained molecular dynamics. Nature Methods, 2021, 18, 382-388.	19.0	557
3	Martini Coarse-Grained Force Field: Extension to RNA. Biophysical Journal, 2017, 113, 246-256.	0.5	156
4	Coupled binding mechanism of three sodium ions and aspartate in the glutamate transporter homologue GltTk. Nature Communications, 2016, 7, 13420.	12.8	93
5	Exploring polymorphisms in B-DNA helical conformations. Nucleic Acids Research, 2012, 40, 10668-10678.	14.5	89
6	Unraveling the sequence-dependent polymorphic behavior of d(CpG) steps in B-DNA. Nucleic Acids Research, 2014, 42, 11304-11320.	14.5	81
7	Photoswitching of DNA Hybridization Using a Molecular Motor. Journal of the American Chemical Society, 2018, 140, 5069-5076.	13.7	70
8	Molecular Mechanism of Lipid Nanodisk Formation by Styrene-Maleic Acid Copolymers. Biophysical Journal, 2018, 115, 494-502.	0.5	64
9	Targeting RNA structure in SMN2 reverses spinal muscular atrophy molecular phenotypes. Nature Communications, 2018, 9, 2032.	12.8	60
10	Toward a Consensus View of Duplex RNA Flexibility. Biophysical Journal, 2010, 99, 1876-1885.	0.5	54
11	NAFlex: a web server for the study of nucleic acid flexibility. Nucleic Acids Research, 2013, 41, W47-W55.	14.5	45
12	Membrane mediated toppling mechanism of the folate energy coupling factor transporter. Nature Communications, 2020, 11, 1763.	12.8	21
13	Improved nucleic acid descriptors for siRNA efficacy prediction. Nucleic Acids Research, 2013, 41, 1383-1394.	14.5	17
14	Insight into the complete substrate-binding pocket of ThiT by chemical and genetic mutations. MedChemComm, 2017, 8, 1121-1130.	3.4	16
15	Functionalization of the 3â€²â€Ends of DNA and RNA Strands with Nâ€ethylâ€Nâ€coupled Nucleosides: A Promising Approach To Avoid 3â€²â€Exonucleaseâ€Catalyzed Hydrolysis of Therapeutic Oligonucleotides. ChemBioChem, 2013, 14, 510-520.	2.6	13
16	The DNA-forming properties of 6-selenoguanine. Physical Chemistry Chemical Physics, 2014, 16, 1101-1110.	2.8	13
17	Molecular Dynamics Study of Naturally Existing Cavity Couplings in Proteins. PLoS ONE, 2015, 10, e0119978.	2.5	10
18	Unique Tautomeric and Recognition Properties of Thioketothymines?. Journal of the American Chemical Society, 2009, 131, 12845-12853.	13.7	4

#	Article	IF	Citations
19	cgHeliParm: analysis of dsDNA helical parameters for coarse-grained MARTINI molecular dynamics simulations. Bioinformatics, 2017, 33, 3813-3815.	4.1	3