Claudio Rivetti

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8988686/publications.pdf

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58	3,543	218592	182361
papers	citations	26 h-index	51 g-index

58	58	58	3880
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Actin-Resistant DNase1L2 as a Potential Therapeutics for CF Lung Disease. Biomolecules, 2021, 11, 410.	1.8	9
2	Strategies to Investigate Membrane Damage, Nucleoid Condensation, and RNase Activity of Bacterial Toxinâ€“Antitoxin Systems. Methods and Protocols, 2021, 4, 71.	0.9	2
3	In vitro characterization and in vivo comparison of the pulmonary outcomes of Poractant alfa and Calsurf in ventilated preterm rabbits. PLoS ONE, 2020, 15, e0230229.	1.1	7
4	Title is missing!. , 2020, 15, e0230229.		0
5	Title is missing!. , 2020, 15, e0230229.		0
6	Title is missing!. , 2020, 15, e0230229.		0
7	Title is missing!. , 2020, 15, e0230229.		0
8	Title is missing!. , 2020, 15, e0230229.		0
9	Title is missing!. , 2020, 15, e0230229.		0
10	Functional characterization of the type I toxin Lpt from Lactobacillus rhamnosus by fluorescenceÂand atomic force microscopy. Scientific Reports, 2019, 9, 15208.	1.6	12
11	Cytotoxic activity of copper(<scp>ii</scp>), nickel(<scp>ii</scp>) and platinum(<scp>ii</scp>) thiosemicarbazone derivatives: interaction with DNA and the H2A histone peptide. Metallomics, 2019, 11, 1729-1742.	1.0	20
12	Identification and first characterization of DinJ-YafQ toxin-antitoxin systems in Lactobacillus species of biotechnological interest. Scientific Reports, 2019, 9, 7645.	1.6	7
13	Analysis of single, cisplatinâ€induced DNA bends by atomic force microscopy and simulations. Journal of Molecular Recognition, 2018, 31, e2731.	1.1	17
14	Toward the identification of a type I toxin-antitoxin system in the plasmid DNA of dairy Lactobacillus rhamnosus. Scientific Reports, 2017, 7, 12051.	1.6	21
15	Study of DNA binding and bending by Bacillus subtilis GabR, a PLP-dependent transcription factor. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3474-3489.	1.1	18
16	Physiological, Biochemical, and Biophysical Characterization of the Lung-Lavaged Spontaneously-Breathing Rabbit as a Model for Respiratory Distress Syndrome. PLoS ONE, 2017, 12, e0169190.	1.1	23
17	Metal-responsive promoter DNA compaction by the ferric uptake regulator. Nature Communications, 2016, 7, 12593.	5.8	27
18	New insights into the regulatory mechanisms of ppGpp and DksA on Escherichia coli RNA polymeraseâ€“promoter complex. Nucleic Acids Research, 2015, 43, 5249-5262.	6.5	21

#	Article	IF	Citations
19	Titanium dioxide nanoparticles promote arrhythmias via a direct interaction with rat cardiac tissue. Particle and Fibre Toxicology, 2014, 11, 63.	2.8	76
20	Unravelling mechanisms behind the biological activity of bis(S-citronellalthiosemicarbazonato)nickel(ii). Metallomics, 2014, 6, 783.	1.0	8
21	Epifluorescence and atomic force microscopy: Two innovative applications for studying phageâ€“host interactions in Lactobacillus helveticus. Journal of Microbiological Methods, 2012, 88, 41-46.	0.7	20
22	Lactococcal phage p2 ORF35â€Sak3 is an ATPase involved in DNA recombination and AbiK mechanism. Molecular Microbiology, 2011, 80, 102-116.	1.2	23
23	Genetic analysis and morphological identification of pilus-like structures in members of the genus Bifidobacterium. Microbial Cell Factories, 2011, 10, S16.	1.9	84
24	DNA Contour Length Measurements as a Tool for the Structural Analysis of DNA and Nucleoprotein Complexes. Methods in Molecular Biology, 2011, 749, 235-254.	0.4	0
25	Deciphering the function of lactococcal phage ul36 Sak domains. Journal of Structural Biology, 2010, 170, 462-469.	1.3	20
26	A simple and optimized length estimator for digitized DNA contours. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 854-861.	1.1	13
27	Structure and function of phage p2 ORF34_{p2}, a new type of singleâ€stranded DNA binding protein. Molecular Microbiology, 2009, 73, 1156-1170.	1.2	15
28	Sequence-Dependent Upstream DNAâ€“RNA Polymerase Interactions in the Open Complex with Î»PR and Î»PRM Promoters and Implications for the Mechanism of Promoter Interference. Journal of Molecular Biology, 2009, 385, 748-760.	2.0	16
29	High and low oxygen affinity conformations of T state hemoglobin. Protein Science, 2008, 10, 2401-2407.	3.1	74
30	Specificity of the TraAâ€“DNA Interaction in the Regulation of the pPD1-Encoded Sex Pheromone Response in Enterococcus faecalis. Journal of Molecular Biology, 2008, 380, 932-945.	2.0	14
31	Conformation-sensitive Antibodies against Alzheimer Amyloid-Î² by Immunization with a Thioredoxin-constrained B-cell Epitope Peptide. Journal of Biological Chemistry, 2007, 282, 11436-11445.	1.6	66
32	The neutrophil-activating Dps protein of Helicobacter pylori, HP-NAP, adopts a mechanism different from Escherichia coli Dps to bind and condense DNA. Nucleic Acids Research, 2007, 35, 2247-2256.	6.5	81
33	Upstream promoter sequences and Î±CTD mediate stable DNA wrapping within the RNA polymeraseâ€“promoter open complex. EMBO Reports, 2007, 8, 271-278.	2.0	32
34	Patterned gallium surfaces as molecular mirrors. Biosensors and Bioelectronics, 2007, 23, 290-294.	5.3	8
35	Simple Model for DNA Adsorption onto a Mica Surface in 1:1 and 2:1 Electrolyte Solutions. Langmuir, 2006, 22, 7678-7688.	1.6	51
36	DNA Condensation and Cell Transfection Properties of Guanidinium Calixarenes:â€‰ Dependence on Macrocycle Lipophilicity, Size, and Conformation. Journal of the American Chemical Society, 2006, 128, 14528-14536.	6.6	199

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37	Structural and functional properties of lengsin, a pseudo-glutamine synthetase in the transparent human lens. Biochemical and Biophysical Research Communications, 2006, 350, 424-429.	1.0	19
38	Collision events between RNA polymerases in convergent transcription studied by atomic force microscopy. Nucleic Acids Research, 2006, 34, 5416-5425.	6.5	102
39	DNA condensation and self-aggregation of Escherichia coli Dps are coupled phenomena related to the properties of the N-terminus. Nucleic Acids Research, 2004, 32, 5935-5944.	6.5	156
40	Distinct roles of transcription factors TFIIIB and TFIIIC in RNA polymerase III transcription reinitiation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13442-13447.	3.3	60
41	Transcription reinitiation properties of bacteriophage T7 RNA polymerase. Biochemical and Biophysical Research Communications, 2004, 315, 376-380.	1.0	13
42	Visualizing RNA Extrusion and DNA Wrapping in Transcription Elongation Complexes of Bacterial and Eukaryotic RNA Polymerases. Journal of Molecular Biology, 2003, 326, 1413-1426.	2.0	62
43	Single DNA Molecule Analysis of Transcription Complexes. Methods in Enzymology, 2003, 371, 34-50.	0.4	8
44	Gene expression profiling in human age-related nuclear cataract. Molecular Vision, 2003, 9, 538-48.	1.1	39
45	A Nick-sensing DNA 3â€²-Repair Enzyme fromArabidopsis. Journal of Biological Chemistry, 2002, 277, 23675-23683.	1.6	31
46	Accurate length determination of DNA molecules visualized by atomic force microscopy: evidence for a partial B- to A-form transition on mica. Ultramicroscopy, 2001, 87, 55-66.	0.8	108
47	Wrapping of DNA around the E.coli RNA polymerase open promoter complex. EMBO Journal, 1999, 18, 4464-4475.	3.5	195
48	Direct Observation of One-Dimensional Diffusion and Transcription by Escherichia coli RNA Polymerase. Biophysical Journal, 1999, 77, 2284-2294.	0.2	238
49	X-ray and spectrophotometric studies of the binding of proflavin to the S1 specificity pocket of human Î±-thrombin. FEBS Letters, 1998, 425, 229-233.	1.3	18
50	Polymer chain statistics and conformational analysis of DNA molecules with bends or sections of different flexibility. Journal of Molecular Biology, 1998, 280, 41-59.	2.0	279
51	Scanning force microscopy under aqueous solutions. Current Opinion in Structural Biology, 1997, 7, 709-716.	2.6	181
52	Allosteric effectors do not alter the oxygen affinity of hemoglobin crystals. Protein Science, 1997, 6, 484-489.	3.1	50
53	Scanning Force Microscopy of DNA Deposited onto Mica: EquilibrationversusKinetic Trapping Studied by Statistical Polymer Chain Analysis. Journal of Molecular Biology, 1996, 264, 919-932.	2.0	641
54	Cooperative Oxygen Binding to Scapharca inaequivalvis Hemoglobin in the Crystal. Journal of Biological Chemistry, 1996, 271, 3627-3632.	1.6	37

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55	Structure and Oxygen Affinity of Crystalline of DesArg141Î± Human Hemoglobin A in the T State. Journal of Molecular Biology, 1995, 248, 136-150.	2.0	49
56	Oxygen binding by single crystals of hemoglobin. Biochemistry, 1993, 32, 2888-2906.	1.2	128
57	Effect of chloride on oxygen binding to crystals of hemoglobin Rothschild (.beta.37 Trp .fwdarw. Arg) in the T quaternary structure. Biochemistry, 1993, 32, 6411-6418.	1.2	24
58	Crystals of haemoglobin with the T quaternary structure bind oxygen noncooperatively with no Bohr effect. Nature, 1991, 351, 416-419.	13.7	121