

Claudio Rivetti

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

3,543
citations

218677

26
h-index

182427

51
g-index

58
all docs

58
docs citations

58
times ranked

3880
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Actin-Resistant DNase1L2 as a Potential Therapeutics for CF Lung Disease. <i>Biomolecules</i> , 2021, 11, 410. | 4.0 | 9 |
| 2 | Strategies to Investigate Membrane Damage, Nucleoid Condensation, and RNase Activity of Bacterial Toxin-antitoxin Systems. <i>Methods and Protocols</i> , 2021, 4, 71. | 2.0 | 2 |
| 3 | In vitro characterization and in vivo comparison of the pulmonary outcomes of Poractant alfa and Calsurf in ventilated preterm rabbits. <i>PLoS ONE</i> , 2020, 15, e0230229. | 2.5 | 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 <i>Lactobacillus rhamnosus</i> by fluorescence and atomic force microscopy. <i>Scientific Reports</i> , 2019, 9, 15208. | 3.3 | 12 |
| 11 | Cytotoxic activity of copper, nickel and platinum thiosemicarbazone derivatives: interaction with DNA and the H2A histone peptide. <i>Metallomics</i> , 2019, 11, 1729-1742. | 2.4 | 20 |
| 12 | Identification and first characterization of DinJ-YafQ toxin-antitoxin systems in <i>Lactobacillus</i> species of biotechnological interest. <i>Scientific Reports</i> , 2019, 9, 7645. | 3.3 | 7 |
| 13 | Analysis of single, cisplatin-induced DNA bends by atomic force microscopy and simulations. <i>Journal of Molecular Recognition</i> , 2018, 31, e2731. | 2.1 | 17 |
| 14 | Toward the identification of a type I toxin-antitoxin system in the plasmid DNA of dairy <i>Lactobacillus rhamnosus</i> . <i>Scientific Reports</i> , 2017, 7, 12051. | 3.3 | 21 |
| 15 | Study of DNA binding and bending by <i>Bacillus subtilis</i> GabR, a PLP-dependent transcription factor. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3474-3489. | 2.4 | 18 |
| 16 | Physiological, Biochemical, and Biophysical Characterization of the Lung-Lavaged Spontaneously-Breathing Rabbit as a Model for Respiratory Distress Syndrome. <i>PLoS ONE</i> , 2017, 12, e0169190. | 2.5 | 23 |
| 17 | Metal-responsive promoter DNA compaction by the ferric uptake regulator. <i>Nature Communications</i> , 2016, 7, 12593. | 12.8 | 27 |
| 18 | New insights into the regulatory mechanisms of ppGpp and DksA on <i>Escherichia coli</i> RNA polymerase-promoter complex. <i>Nucleic Acids Research</i> , 2015, 43, 5249-5262. | 14.5 | 21 |

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|----|--|------|-----------|
| 19 | Titanium dioxide nanoparticles promote arrhythmias via a direct interaction with rat cardiac tissue. <i>Particle and Fibre Toxicology</i> , 2014, 11, 63. | 6.2 | 76 |
| 20 | Unravelling mechanisms behind the biological activity of bis(S-citronellalthiosemicarbazonato)nickel(ii). <i>Metallomics</i> , 2014, 6, 783. | 2.4 | 8 |
| 21 | Epifluorescence and atomic force microscopy: Two innovative applications for studying phage-host interactions in <i>Lactobacillus helveticus</i> . <i>Journal of Microbiological Methods</i> , 2012, 88, 41-46. | 1.6 | 20 |
| 22 | Lactococcal phage p2 ORF35 Sak3 is an ATPase involved in DNA recombination and AbiK mechanism. <i>Molecular Microbiology</i> , 2011, 80, 102-116. | 2.5 | 23 |
| 23 | Genetic analysis and morphological identification of pilus-like structures in members of the genus <i>Bifidobacterium</i> . <i>Microbial Cell Factories</i> , 2011, 10, S16. | 4.0 | 84 |
| 24 | DNA Contour Length Measurements as a Tool for the Structural Analysis of DNA and Nucleoprotein Complexes. <i>Methods in Molecular Biology</i> , 2011, 749, 235-254. | 0.9 | 0 |
| 25 | Deciphering the function of lactococcal phage ul36 Sak domains. <i>Journal of Structural Biology</i> , 2010, 170, 462-469. | 2.8 | 20 |
| 26 | A simple and optimized length estimator for digitized DNA contours. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2009, 75A, 854-861. | 1.5 | 13 |
| 27 | Structure and function of phage p2 ORF34, a new type of single-stranded DNA binding protein. <i>Molecular Microbiology</i> , 2009, 73, 1156-1170. | 2.5 | 15 |
| 28 | Sequence-Dependent Upstream DNA-RNA Polymerase Interactions in the Open Complex with σ^{PR} and σ^{PRM} Promoters and Implications for the Mechanism of Promoter Interference. <i>Journal of Molecular Biology</i> , 2009, 385, 748-760. | 4.2 | 16 |
| 29 | High and low oxygen affinity conformations of T state hemoglobin. <i>Protein Science</i> , 2008, 10, 2401-2407. | 7.6 | 74 |
| 30 | Specificity of the Tra-DNA Interaction in the Regulation of the pPD1-Encoded Sex Pheromone Response in <i>Enterococcus faecalis</i> . <i>Journal of Molecular Biology</i> , 2008, 380, 932-945. | 4.2 | 14 |
| 31 | Conformation-sensitive Antibodies against Alzheimer Amyloid- β^2 by Immunization with a Thioredoxin-constrained B-cell Epitope Peptide. <i>Journal of Biological Chemistry</i> , 2007, 282, 11436-11445. | 3.4 | 66 |
| 32 | The neutrophil-activating Dps protein of <i>Helicobacter pylori</i> , HP-NAP, adopts a mechanism different from <i>Escherichia coli</i> Dps to bind and condense DNA. <i>Nucleic Acids Research</i> , 2007, 35, 2247-2256. | 14.5 | 81 |
| 33 | Upstream promoter sequences and \pm CTD mediate stable DNA wrapping within the RNA polymerase-promoter open complex. <i>EMBO Reports</i> , 2007, 8, 271-278. | 4.5 | 32 |
| 34 | Patterned gallium surfaces as molecular mirrors. <i>Biosensors and Bioelectronics</i> , 2007, 23, 290-294. | 10.1 | 8 |
| 35 | Simple Model for DNA Adsorption onto a Mica Surface in 1:1 and 2:1 Electrolyte Solutions. <i>Langmuir</i> , 2006, 22, 7678-7688. | 3.5 | 51 |
| 36 | DNA Condensation and Cell Transfection Properties of Guanidinium Calixarenes: Dependence on Macrocycle Lipophilicity, Size, and Conformation. <i>Journal of the American Chemical Society</i> , 2006, 128, 14528-14536. | 13.7 | 199 |

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|----|--|------|-----------|
| 37 | Structural and functional properties of lengsin, a pseudo-glutamine synthetase in the transparent human lens. <i>Biochemical and Biophysical Research Communications</i> , 2006, 350, 424-429. | 2.1 | 19 |
| 38 | Collision events between RNA polymerases in convergent transcription studied by atomic force microscopy. <i>Nucleic Acids Research</i> , 2006, 34, 5416-5425. | 14.5 | 102 |
| 39 | DNA condensation and self-aggregation of <i>Escherichia coli</i> Dps are coupled phenomena related to the properties of the N-terminus. <i>Nucleic Acids Research</i> , 2004, 32, 5935-5944. | 14.5 | 156 |
| 40 | Distinct roles of transcription factors TFIIB and TFIIC in RNA polymerase III transcription reinitiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13442-13447. | 7.1 | 60 |
| 41 | Transcription reinitiation properties of bacteriophage T7 RNA polymerase. <i>Biochemical and Biophysical Research Communications</i> , 2004, 315, 376-380. | 2.1 | 13 |
| 42 | Visualizing RNA Extrusion and DNA Wrapping in Transcription Elongation Complexes of Bacterial and Eukaryotic RNA Polymerases. <i>Journal of Molecular Biology</i> , 2003, 326, 1413-1426. | 4.2 | 62 |
| 43 | Single DNA Molecule Analysis of Transcription Complexes. <i>Methods in Enzymology</i> , 2003, 371, 34-50. | 1.0 | 8 |
| 44 | Gene expression profiling in human age-related nuclear cataract. <i>Molecular Vision</i> , 2003, 9, 538-48. | 1.1 | 39 |
| 45 | A Nick-sensing DNA 3' Repair Enzyme from <i>Arabidopsis</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 23675-23683. | 3.4 | 31 |
| 46 | Accurate length determination of DNA molecules visualized by atomic force microscopy: evidence for a partial B- to A-form transition on mica. <i>Ultramicroscopy</i> , 2001, 87, 55-66. | 1.9 | 108 |
| 47 | Wrapping of DNA around the <i>E. coli</i> RNA polymerase open promoter complex. <i>EMBO Journal</i> , 1999, 18, 4464-4475. | 7.8 | 195 |
| 48 | Direct Observation of One-Dimensional Diffusion and Transcription by <i>Escherichia coli</i> RNA Polymerase. <i>Biophysical Journal</i> , 1999, 77, 2284-2294. | 0.5 | 238 |
| 49 | X-ray and spectrophotometric studies of the binding of proflavin to the S1 specificity pocket of human α -thrombin. <i>FEBS Letters</i> , 1998, 425, 229-233. | 2.8 | 18 |
| 50 | Polymer chain statistics and conformational analysis of DNA molecules with bends or sections of different flexibility. <i>Journal of Molecular Biology</i> , 1998, 280, 41-59. | 4.2 | 279 |
| 51 | Scanning force microscopy under aqueous solutions. <i>Current Opinion in Structural Biology</i> , 1997, 7, 709-716. | 5.7 | 181 |
| 52 | Allosteric effectors do not alter the oxygen affinity of hemoglobin crystals. <i>Protein Science</i> , 1997, 6, 484-489. | 7.6 | 50 |
| 53 | Scanning Force Microscopy of DNA Deposited onto Mica: Equilibration versus Kinetic Trapping Studied by Statistical Polymer Chain Analysis. <i>Journal of Molecular Biology</i> , 1996, 264, 919-932. | 4.2 | 641 |
| 54 | Cooperative Oxygen Binding to <i>Scapharca inaequalis</i> Hemoglobin in the Crystal. <i>Journal of Biological Chemistry</i> , 1996, 271, 3627-3632. | 3.4 | 37 |

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|----|---|------|-----------|
| 55 | Structure and Oxygen Affinity of Crystalline of DesArg141± Human Hemoglobin A in the T State. Journal of Molecular Biology, 1995, 248, 136-150. | 4.2 | 49 |
| 56 | Oxygen binding by single crystals of hemoglobin. Biochemistry, 1993, 32, 2888-2906. | 2.5 | 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. | 2.5 | 24 |
| 58 | Crystals of haemoglobin with the T quaternary structure bind oxygen noncooperatively with no Bohr effect. Nature, 1991, 351, 416-419. | 27.8 | 121 |