

Veronique S Arluison

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9123480/publications.pdf>

Version: 2024-02-01

59
papers

1,649
citations

304368

22
h-index

315357

38
g-index

62
all docs

62
docs citations

62
times ranked

1114
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | The poly(A) binding protein Hfq protects RNA from RNase E and exoribonucleolytic degradation. <i>Nucleic Acids Research</i> , 2003, 31, 7302-7310. | 6.5 | 152 |
| 2 | Cellular Electron Microscopy Imaging Reveals the Localization of the Hfq Protein Close to the Bacterial Membrane. <i>PLoS ONE</i> , 2009, 4, e8301. | 1.1 | 94 |
| 3 | Spectroscopic observation of RNA chaperone activities of Hfq in post-transcriptional regulation by a small non-coding RNA. <i>Nucleic Acids Research</i> , 2007, 35, 999-1006. | 6.5 | 86 |
| 4 | The Sm-like RNA chaperone Hfq mediates transcription antitermination at Rho-dependent terminators. <i>EMBO Journal</i> , 2011, 30, 2805-2816. | 3.5 | 85 |
| 5 | The Degree of Oligomerization of the H-NS Nucleoid Structuring Protein Is Related to Specific Binding to DNA. <i>Journal of Biological Chemistry</i> , 2002, 277, 41657-41666. | 1.6 | 79 |
| 6 | The Escherichia Coli Hfq Protein: An Unattended DNA-Transactions Regulator. <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 36. | 1.6 | 64 |
| 7 | The C-terminal domain of Escherichia coli Hfq increases the stability of the hexamer. <i>FEBS Journal</i> , 2004, 271, 1258-1265. | 0.2 | 62 |
| 8 | Dynamic competition of DsrA and rpoS fragments for the proximal binding site of Hfq as a means for efficient annealing. <i>Nucleic Acids Research</i> , 2011, 39, 5131-5139. | 6.5 | 58 |
| 9 | The Escherichia coli RNA processing and degradation machinery is compartmentalized within an organized cellular network. <i>Biochemical Journal</i> , 2014, 458, 11-22. | 1.7 | 57 |
| 10 | New insight into the structure and function of Hfq C-terminus. <i>Bioscience Reports</i> , 2015, 35, . | 1.1 | 55 |
| 11 | Effects of Hfq on the conformation and compaction of DNA. <i>Nucleic Acids Research</i> , 2015, 43, 4332-4341. | 6.5 | 53 |
| 12 | Structural Modelling of the Sm-like Protein Hfq from Escherichia coli. <i>Journal of Molecular Biology</i> , 2002, 320, 705-712. | 2.0 | 52 |
| 13 | Three-dimensional Structures of Fibrillar Sm Proteins: Hfq and Other Sm-like Proteins. <i>Journal of Molecular Biology</i> , 2006, 356, 86-96. | 2.0 | 52 |
| 14 | Compaction and condensation of DNA mediated by the C-terminal domain of Hfq. <i>Nucleic Acids Research</i> , 2017, 45, 7299-7308. | 6.5 | 50 |
| 15 | Revised role for Hfq bacterial regulator on DNA topology. <i>Scientific Reports</i> , 2018, 8, 16792. | 1.6 | 46 |
| 16 | Membrane association of the bacterial riboregulator Hfq and functional perspectives. <i>Scientific Reports</i> , 2017, 7, 10724. | 1.6 | 45 |
| 17 | Conformational transition of DNA bound to Hfq probed by infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 1222-1229. | 1.3 | 34 |
| 18 | Pseudouridine synthetase pus1 of <i>Saccharomyces cerevisiae</i> : kinetic characterisation, tRNA structural requirement and real-time analysis of its complex with tRNA. <i>Journal of Molecular Biology</i> , 1999, 289, 491-502. | 2.0 | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Transfer RNA [~] Pseudouridine Synthetase Pus1 of <i>Saccharomyces cerevisiae</i> Contains One Atom of Zinc Essential for Its Native Conformation and tRNA Recognition. <i>Biochemistry</i> , 1998, 37, 7268-7276. | 1.2 | 31 |
| 20 | Probing amyloid fibril secondary structures by infrared nanospectroscopy: experimental and theoretical considerations. <i>Analyst</i> , 2021, 146, 132-145. | 1.7 | 29 |
| 21 | The Bacterial Amyloid-Like Hfq Promotes In Vitro DNA Alignment. <i>Microorganisms</i> , 2019, 7, 639. | 1.6 | 26 |
| 22 | Hfq protein deficiency in <i>Escherichia coli</i> affects ColE1-like but not λ plasmid DNA replication. <i>Plasmid</i> , 2014, 73, 10-15. | 0.4 | 23 |
| 23 | Auto-assembly of <i>E. coli</i> DsrA small noncoding RNA: Molecular characteristics and functional consequences. <i>RNA Biology</i> , 2009, 6, 434-445. | 1.5 | 22 |
| 24 | Interactions between DNA and the Hfq Amyloid-like Region Trigger a Viscoelastic Response. <i>Biomacromolecules</i> , 2020, 21, 3668-3677. | 2.6 | 22 |
| 25 | In Situ Characterization of Hfq Bacterial Amyloid: A Fourier-Transform Infrared Spectroscopy Study. <i>Pathogens</i> , 2019, 8, 36. | 1.2 | 21 |
| 26 | Sm [~] -like protein Hfq: Location of the ATP-binding site and the effect of ATP on Hfq-RNA complexes. <i>Protein Science</i> , 2007, 16, 1830-1841. | 3.1 | 20 |
| 27 | Application of FTIR Spectroscopy to Analyze RNA Structure. <i>Methods in Molecular Biology</i> , 2020, 2113, 119-133. | 0.4 | 19 |
| 28 | Riboregulation of the bacterial actin-homolog MreB by DsrA small noncoding RNA. <i>Integrative Biology (United Kingdom)</i> , 2015, 7, 128-141. | 0.6 | 18 |
| 29 | Involvement of HFq protein in the post-transcriptional regulation of <i>E. coli</i> bacterial cytoskeleton and cell division proteins. <i>Cell Cycle</i> , 2009, 8, 2470-2472. | 1.3 | 17 |
| 30 | Correlative infrared nanospectroscopy and transmission electron microscopy to investigate nanometric amyloid fibrils: prospects and challenges. <i>Journal of Microscopy</i> , 2019, 274, 23-31. | 0.8 | 17 |
| 31 | Hydrophobic Pockets at the Membrane Interface: An Original Mechanism for Membrane Protein Interactions. <i>Biochemistry</i> , 2004, 43, 1276-1282. | 1.2 | 15 |
| 32 | Fate of mRNA extremities generated by intrinsic termination: detailed analysis of reactions catalyzed by ribonuclease II and poly(A) polymerase. <i>Biochimie</i> , 2005, 87, 819-826. | 1.3 | 15 |
| 33 | Role of Hfq in Genome Evolution: Instability of G-Quadruplex Sequences in <i>E. coli</i> . <i>Microorganisms</i> , 2020, 8, 28. | 1.6 | 14 |
| 34 | Auto-assembly as a new regulatory mechanism of noncoding RNA. <i>Cell Cycle</i> , 2009, 8, 952-954. | 1.3 | 13 |
| 35 | Epigallocatechin Gallate Remodelling of Hfq Amyloid-Like Region Affects <i>Escherichia coli</i> Survival. <i>Pathogens</i> , 2018, 7, 95. | 1.2 | 13 |
| 36 | RNA:pseudouridine synthetase Pus1 from <i>Saccharomyces cerevisiae</i> : Oligomerization property and stoichiometry of the complex with yeast tRNA ^{Phe} . <i>Biochimie</i> , 1999, 81, 751-756. | 1.3 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Positive regulatory dynamics by a small noncoding RNA: speeding up responses under temperature stress. <i>Molecular BioSystems</i> , 2012, 8, 1707. | 2.9 | 12 |
| 38 | Crucial Role of the C-Terminal Domain of Hfq Protein in Genomic Instability. <i>Microorganisms</i> , 2020, 8, 1598. | 1.6 | 12 |
| 39 | Biochemical Characterization of the Dissociated Forms from the Core Antenna Proteins from Purple Bacteria. <i>Biochemistry</i> , 2002, 41, 11812-11819. | 1.2 | 11 |
| 40 | The reaction order of the dissociation reaction of the B820 subunit of Rhodospirillum rubrum light-harvesting I complex. <i>FEBS Letters</i> , 2002, 516, 40-42. | 1.3 | 11 |
| 41 | Effect of HU protein on the conformation and compaction of DNA in a nanochannel. <i>Soft Matter</i> , 2018, 14, 2322-2328. | 1.2 | 10 |
| 42 | Structure of the H-NS-DNA nucleoprotein complex. <i>Soft Matter</i> , 2016, 12, 3636-3642. | 1.2 | 9 |
| 43 | The Amyloid Region of Hfq Riboregulator Promotes DsrA:rpoS RNAs Annealing. <i>Biology</i> , 2021, 10, 900. | 1.3 | 9 |
| 44 | Application of Synchrotron Radiation Circular Dichroism for RNA Structural Analysis. <i>Methods in Molecular Biology</i> , 2020, 2113, 135-148. | 0.4 | 9 |
| 45 | Apomorphine Targets the Pleiotropic Bacterial Regulator Hfq. <i>Antibiotics</i> , 2021, 10, 257. | 1.5 | 8 |
| 46 | SRCD and FTIR Spectroscopies to Monitor Protein-Induced Nucleic Acid Remodeling. <i>Methods in Molecular Biology</i> , 2021, 2209, 87-108. | 0.4 | 7 |
| 47 | Cellular Localization of RNA Degradation and Processing Components in <i>Escherichia coli</i> . <i>Methods in Molecular Biology</i> , 2015, 1259, 87-101. | 0.4 | 6 |
| 48 | Twins, quadruplexes, and more: functional aspects of native and engineered RNA self-assembly <i>in vivo</i> . <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , 2012, 6, 19-32. | 1.1 | 5 |
| 49 | Role of Internal DNA Motion on the Mobility of a Nucleoid-Associated Protein. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8424-8429. | 2.1 | 5 |
| 50 | Absolute Regulatory Small Noncoding RNA Concentration and Decay Rates Measurements in <i>Escherichia coli</i> . <i>Methods in Molecular Biology</i> , 2018, 1737, 231-248. | 0.4 | 4 |
| 51 | Techniques to Analyze sRNA Protein Cofactor Self-Assembly <i>In Vitro</i> . <i>Methods in Molecular Biology</i> , 2018, 1737, 321-340. | 0.4 | 4 |
| 52 | Synchrotron Radiation Circular Dichroism, a New Tool to Probe Interactions between Nucleic Acids Involved in the Control of ColE1-Type Plasmid Replication. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2639. | 1.3 | 4 |
| 53 | Multiple Approaches for the Investigation of Bacterial Small Regulatory RNAs Self-assembly. <i>Methods in Molecular Biology</i> , 2015, 1297, 21-42. | 0.4 | 3 |
| 54 | Single-Molecule FRET Assay to Observe the Activity of Proteins Involved in RNA/RNA Annealing. <i>Methods in Molecular Biology</i> , 2018, 1737, 301-319. | 0.4 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Thermodynamic aspects of the self-assembly of DsrA, a small noncoding RNA from <i>Escherichia coli</i> .. <i>Acta Biochimica Polonica</i> , 2014, 61, . | 0.3 | 2 |
| 56 | Identification and characterization of the Hfq bacterial amyloid region DNA interactions. <i>BBA Advances</i> , 2021, 1, 100029. | 0.7 | 2 |
| 57 | Mobility of Bacterial Protein Hfq on dsDNA: Role of C-Terminus-Mediated Transient Binding. <i>Journal of Physical Chemistry B</i> , 2022, 126, 1477-1482. | 1.2 | 2 |
| 58 | Thermodynamics of the $\hat{2}$ association in light-harvesting complex of <i>Rhodospirillum rubrum</i> . <i>FEBS Journal</i> , 2008, 275, 1240-1247. | 2.2 | 1 |
| 59 | RNA Nanostructure Molecular Imaging. <i>Methods in Molecular Biology</i> , 2020, 2113, 319-327. | 0.4 | 1 |