

Veronique S Arluison

List of Publications by Year in descending order

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59
papers

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304743

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times ranked

1114
citing authors

#	ARTICLE	IF	CITATIONS
1	Mobility of Bacterial Protein Hfq on dsDNA: Role of C-Terminus-Mediated Transient Binding. Journal of Physical Chemistry B, 2022, 126, 1477-1482.	2.6	2
2	Synchrotron Radiation Circular Dichroism, a New Tool to Probe Interactions between Nucleic Acids Involved in the Control of ColE1-Type Plasmid Replication. Applied Sciences (Switzerland), 2022, 12, 2639.	2.5	4
3	Probing amyloid fibril secondary structures by infrared nanospectroscopy: experimental and theoretical considerations. Analyst, The, 2021, 146, 132-145.	3.5	29
4	Apomorphine Targets the Pleiotropic Bacterial Regulator Hfq. Antibiotics, 2021, 10, 257.	3.7	8
5	The Amyloid Region of Hfq Riboregulator Promotes DsrA:rpoS RNAs Annealing. Biology, 2021, 10, 900.	2.8	9
6	SRCD and FTIR Spectroscopies to Monitor Protein-Induced Nucleic Acid Remodeling. Methods in Molecular Biology, 2021, 2209, 87-108.	0.9	7
7	Identification and characterization of the Hfq bacterial amyloid region DNA interactions. BBA Advances, 2021, 1, 100029.	1.6	2
8	Role of Hfq in Genome Evolution: Instability of G-Quadruplex Sequences in E. coli. Microorganisms, 2020, 8, 28.	3.6	14
9	Interactions between DNA and the Hfq Amyloid-like Region Trigger a Viscoelastic Response. Biomacromolecules, 2020, 21, 3668-3677.	5.4	22
10	Crucial Role of the C-Terminal Domain of Hfq Protein in Genomic Instability. Microorganisms, 2020, 8, 1598.	3.6	12
11	Role of Internal DNA Motion on the Mobility of a Nucleoid-Associated Protein. Journal of Physical Chemistry Letters, 2020, 11, 8424-8429.	4.6	5
12	Application of FTIR Spectroscopy to Analyze RNA Structure. Methods in Molecular Biology, 2020, 2113, 119-133.	0.9	19
13	Application of Synchrotron Radiation Circular Dichroism for RNA Structural Analysis. Methods in Molecular Biology, 2020, 2113, 135-148.	0.9	9
14	RNA Nanostructure Molecular Imaging. Methods in Molecular Biology, 2020, 2113, 319-327.	0.9	1
15	In Situ Characterization of Hfq Bacterial Amyloid: A Fourier-Transform Infrared Spectroscopy Study. Pathogens, 2019, 8, 36.	2.8	21
16	The Bacterial Amyloid-Like Hfq Promotes In Vitro DNA Alignment. Microorganisms, 2019, 7, 639.	3.6	26
17	Correlative infrared nanospectroscopy and transmission electron microscopy to investigate nanometric amyloid fibrils: prospects and challenges. Journal of Microscopy, 2019, 274, 23-31.	1.8	17
18	Absolute Regulatory Small Noncoding RNA Concentration and Decay Rates Measurements in Escherichia coli. Methods in Molecular Biology, 2018, 1737, 231-248.	0.9	4

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19	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.	0.9	2
20	Techniques to Analyze sRNA Protein Cofactor Self-Assembly In Vitro. <i>Methods in Molecular Biology</i> , 2018, 1737, 321-340.	0.9	4
21	Effect of HU protein on the conformation and compaction of DNA in a nanochannel. <i>Soft Matter</i> , 2018, 14, 2322-2328.	2.7	10
22	Revised role for Hfq bacterial regulator on DNA topology. <i>Scientific Reports</i> , 2018, 8, 16792.	3.3	46
23	Epigallocatechin Gallate Remodelling of Hfq Amyloid-Like Region Affects <i>Escherichia coli</i> Survival. <i>Pathogens</i> , 2018, 7, 95.	2.8	13
24	Compaction and condensation of DNA mediated by the C-terminal domain of Hfq. <i>Nucleic Acids Research</i> , 2017, 45, 7299-7308.	14.5	50
25	Membrane association of the bacterial riboregulator Hfq and functional perspectives. <i>Scientific Reports</i> , 2017, 7, 10724.	3.3	45
26	The <i>Escherichia Coli</i> Hfq Protein: An Unattended DNA-Transactions Regulator. <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 36.	3.5	64
27	Structure of the H-NS-DNA nucleoprotein complex. <i>Soft Matter</i> , 2016, 12, 3636-3642.	2.7	9
28	New insight into the structure and function of Hfq C-terminus. <i>Bioscience Reports</i> , 2015, 35, .	2.4	55
29	Multiple Approaches for the Investigation of Bacterial Small Regulatory RNAs Self-assembly. <i>Methods in Molecular Biology</i> , 2015, 1297, 21-42.	0.9	3
30	Effects of Hfq on the conformation and compaction of DNA. <i>Nucleic Acids Research</i> , 2015, 43, 4332-4341.	14.5	53
31	Riboregulation of the bacterial actin-homolog MreB by DsrA small noncoding RNA. <i>Integrative Biology (United Kingdom)</i> , 2015, 7, 128-141.	1.3	18
32	Cellular Localization of RNA Degradation and Processing Components in <i>Escherichia coli</i> . <i>Methods in Molecular Biology</i> , 2015, 1259, 87-101.	0.9	6
33	Hfq protein deficiency in <i>Escherichia coli</i> affects ColE1-like but not ϕ plasmid DNA replication. <i>Plasmid</i> , 2014, 73, 10-15.	1.4	23
34	The <i>Escherichia coli</i> RNA processing and degradation machinery is compartmentalized within an organized cellular network. <i>Biochemical Journal</i> , 2014, 458, 11-22.	3.7	57
35	Thermodynamic aspects of the self-assembly of DsrA, a small noncoding RNA from <i>Escherichia coli</i> . <i>Acta Biochimica Polonica</i> , 2014, 61, .	0.5	2
36	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

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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	Conformational transition of DNA bound to Hfq probed by infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 1222-1229.	2.8	34
39	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.	14.5	58
40	The Sm-like RNA chaperone Hfq mediates transcription antitermination at Rho-dependent terminators. <i>EMBO Journal</i> , 2011, 30, 2805-2816.	7.8	85
41	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.	2.6	17
42	Auto-assembly as a new regulatory mechanism of noncoding RNA. <i>Cell Cycle</i> , 2009, 8, 952-954.	2.6	13
43	Auto-assembly of <i>E. coli</i> DsrA small noncoding RNA: Molecular characteristics and functional consequences. <i>RNA Biology</i> , 2009, 6, 434-445.	3.1	22
44	Cellular Electron Microscopy Imaging Reveals the Localization of the Hfq Protein Close to the Bacterial Membrane. <i>PLoS ONE</i> , 2009, 4, e8301.	2.5	94
45	Thermodynamics of the \hat{I}^2_{22} association in light-harvesting complex of <i>Rhodospirillum rubrum</i> . <i>FEBS Journal</i> , 2008, 275, 1240-1247.	4.7	1
46	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.	14.5	86
47	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.	7.6	20
48	Three-dimensional Structures of Fibrillar Sm Proteins: Hfq and Other Sm-like Proteins. <i>Journal of Molecular Biology</i> , 2006, 356, 86-96.	4.2	52
49	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.	2.6	15
50	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
51	Hydrophobic Pockets at the Membrane Interface: An Original Mechanism for Membrane Protein Interactions. <i>Biochemistry</i> , 2004, 43, 1276-1282.	2.5	15
52	The poly(A) binding protein Hfq protects RNA from RNase E and exoribonucleolytic degradation. <i>Nucleic Acids Research</i> , 2003, 31, 7302-7310.	14.5	152
53	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.	3.4	79
54	Biochemical Characterization of the Dissociated Forms from the Core Antenna Proteins from Purple Bacteria. <i>Biochemistry</i> , 2002, 41, 11812-11819.	2.5	11

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55	The reaction order of the dissociation reaction of the B820 subunit of Rhodospirillum rubrum light-harvesting I complex. FEBS Letters, 2002, 516, 40-42.	2.8	11
56	Structural Modelling of the Sm-like Protein Hfq from Escherichia coli. Journal of Molecular Biology, 2002, 320, 705-712.	4.2	52
57	RNA:pseudouridine synthetase Pus1 from Saccharomyces cerevisiae: Oligomerization property and stoichiometry of the complex with yeast tRNA ^{Phe} . Biochimie, 1999, 81, 751-756.	2.6	12
58	Pseudouridine synthetase pus1 of Saccharomyces cerevisiae: kinetic characterisation, tRNA structural requirement and real-time analysis of its complex with tRNA. Journal of Molecular Biology, 1999, 289, 491-502.	4.2	33
59	Transfer RNA ^{Phe} -Pseudouridine Synthetase Pus1 of Saccharomyces cerevisiae Contains One Atom of Zinc Essential for Its Native Conformation and tRNA Recognition. Biochemistry, 1998, 37, 7268-7276.	2.5	31