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List of Publications by Year
in descending order

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59	1,649	304368	315357
papers	citations	22 h-index	38 g-index

62	62	62	1114
all docs	docs citations	times ranked	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.	1.2	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.	1.3	4
3	Probing amyloid fibril secondary structures by infrared nanospectroscopy: experimental and theoretical considerations. Analyst, The, 2021, 146, 132-145.	1.7	29
4	Apomorphine Targets the Pleiotropic Bacterial Regulator Hfq. Antibiotics, 2021, 10, 257.	1.5	8
5	The Amyloid Region of Hfq Riboregulator Promotes DsrA:rpoS RNAs Annealing. Biology, 2021, 10, 900.	1.3	9
6	SRCD and FTIR Spectroscopies to Monitor Protein-Induced Nucleic Acid Remodeling. Methods in Molecular Biology, 2021, 2209, 87-108.	0.4	7
7	Identification and characterization of the Hfq bacterial amyloid region DNA interactions. BBA Advances, 2021, 1, 100029.	0.7	2
8	Role of Hfq in Genome Evolution: Instability of G-Quadruplex Sequences in E. coli. Microorganisms, 2020, 8, 28.	1.6	14
9	Interactions between DNA and the Hfq Amyloid-like Region Trigger a Viscoelastic Response. Biomacromolecules, 2020, 21, 3668-3677.	2.6	22
10	Crucial Role of the C-Terminal Domain of Hfq Protein in Genomic Instability. Microorganisms, 2020, 8, 1598.	1.6	12
11	Role of Internal DNA Motion on the Mobility of a Nucleoid-Associated Protein. Journal of Physical Chemistry Letters, 2020, 11, 8424-8429.	2.1	5
12	Application of FTIR Spectroscopy to Analyze RNA Structure. Methods in Molecular Biology, 2020, 2113, 119-133.	0.4	19
13	Application of Synchrotron Radiation Circular Dichroism for RNA Structural Analysis. Methods in Molecular Biology, 2020, 2113, 135-148.	0.4	9
14	RNA Nanostructure Molecular Imaging. Methods in Molecular Biology, 2020, 2113, 319-327.	0.4	1
15	In Situ Characterization of Hfq Bacterial Amyloid: A Fourier-Transform Infrared Spectroscopy Study. Pathogens, 2019, 8, 36.	1.2	21
16	The Bacterial Amyloid-Like Hfq Promotes In Vitro DNA Alignment. Microorganisms, 2019, 7, 639.	1.6	26
17	Correlative infrared nanospectroscopy and transmission electron microscopy to investigate nanometric amyloid fibrils: prospects and challenges. Journal of Microscopy, 2019, 274, 23-31.	0.8	17
18	Absolute Regulatory Small Noncoding RNA Concentration and Decay Rates Measurements in Escherichia coli. Methods in Molecular Biology, 2018, 1737, 231-248.	0.4	4

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19	Single-Molecule FRET Assay to Observe the Activity of Proteins Involved in RNA/RNA Annealing. Methods in Molecular Biology, 2018, 1737, 301-319.	0.4	2
20	Techniques to Analyze sRNA Protein Cofactor Self-Assembly In Vitro. Methods in Molecular Biology, 2018, 1737, 321-340.	0.4	4
21	Effect of HU protein on the conformation and compaction of DNA in a nanochannel. Soft Matter, 2018, 14, 2322-2328.	1.2	10
22	Revised role for Hfq bacterial regulator on DNA topology. Scientific Reports, 2018, 8, 16792.	1.6	46
23	Epigallocatechin Gallate Remodelling of Hfq Amyloid-Like Region Affects Escherichia coli Survival. Pathogens, 2018, 7, 95.	1.2	13
24	Compaction and condensation of DNA mediated by the C-terminal domain of Hfq. Nucleic Acids Research, 2017, 45, 7299-7308.	6.5	50
25	Membrane association of the bacterial riboregulator Hfq and functional perspectives. Scientific Reports, 2017, 7, 10724.	1.6	45
26	The Escherichia Coli Hfq Protein: An Unattended DNA-Transactions Regulator. Frontiers in Molecular Biosciences, 2016, 3, 36.	1.6	64
27	Structure of the H-NSâ€“DNA nucleoprotein complex. Soft Matter, 2016, 12, 3636-3642.	1.2	9
28	New insight into the structure and function of Hfq C-terminus. Bioscience Reports, 2015, 35, .	1.1	55
29	Multiple Approaches for the Investigation of Bacterial Small Regulatory RNAs Self-assembly. Methods in Molecular Biology, 2015, 1297, 21-42.	0.4	3
30	Effects of Hfq on the conformation and compaction of DNA. Nucleic Acids Research, 2015, 43, 4332-4341.	6.5	53
31	Riboregulation of the bacterial actin-homolog MreB by DsrA small noncoding RNA. Integrative Biology (United Kingdom), 2015, 7, 128-141.	0.6	18
32	Cellular Localization of RNA Degradation and Processing Components in Escherichia coli. Methods in Molecular Biology, 2015, 1259, 87-101.	0.4	6
33	Hfq protein deficiency in Escherichia coli affects ColE1-like but not Î» plasmid DNA replication. Plasmid, 2014, 73, 10-15.	0.4	23
34	The Escherichia coli RNA processing and degradation machinery is compartmentalized within an organized cellular network. Biochemical Journal, 2014, 458, 11-22.	1.7	57
35	Thermodynamic aspects of the self-assembly of DsrA, a small noncoding RNA from Escherichia coli.. Acta Biochimica Polonica, 2014, 61, .	0.3	2
36	Twins, quadruplexes, and more: functional aspects of native and engineered RNA self-assemblyin vivo. Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences, 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. Molecular BioSystems, 2012, 8, 1707.	2.9	12
38	Conformational transition of DNA bound to Hfq probed by infrared spectroscopy. Physical Chemistry Chemical Physics, 2011, 13, 1222-1229.	1.3	34
39	Dynamic competition of DsrA and rpoS fragments for the proximal binding site of Hfq as a means for efficient annealing. Nucleic Acids Research, 2011, 39, 5131-5139.	6.5	58
40	The Sm-like RNA chaperone Hfq mediates transcription antitermination at Rho-dependent terminators. EMBO Journal, 2011, 30, 2805-2816.	3.5	85
41	Involvement of HFq protein in the post-transcriptional regulation ofE. colibacterial cytoskeleton and cell division proteins. Cell Cycle, 2009, 8, 2470-2472.	1.3	17
42	Auto-assembly as a new regulatory mechanism of noncoding RNA. Cell Cycle, 2009, 8, 952-954.	1.3	13
43	Auto-assembly ofE. coliDsrA small noncoding RNA: Molecular characteristics and functional consequences. RNA Biology, 2009, 6, 434-445.	1.5	22
44	Cellular Electron Microscopy Imaging Reveals the Localization of the Hfq Protein Close to the Bacterial Membrane. PLoS ONE, 2009, 4, e8301.	1.1	94
45	Thermodynamics of the Î²₂ association in lightâ€harvesting complexâ€fI of Rhodospirillum rubrum. FEBS Journal, 2008, 275, 1240-1247.	2.2	1
46	Spectroscopic observation of RNA chaperone activities of Hfq in post-transcriptional regulation by a small non-coding RNA. Nucleic Acids Research, 2007, 35, 999-1006.	6.5	86
47	Smâ€like protein Hfq: Location of the ATPâ€binding site and the effect of ATP on Hfqâ€“RNA complexes. Protein Science, 2007, 16, 1830-1841.	3.1	20
48	Three-dimensional Structures of Fibrillar Sm Proteins: Hfq and Other Sm-like Proteins. Journal of Molecular Biology, 2006, 356, 86-96.	2.0	52
49	Fate of mRNA extremities generated by intrinsic termination: detailed analysis of reactions catalyzed by ribonuclease II and poly(A) polymerase. Biochimie, 2005, 87, 819-826.	1.3	15
50	The C-terminal domain of Escherichia coli Hfq increases the stability of the hexamer. FEBS Journal, 2004, 271, 1258-1265.	0.2	62
51	Hydrophobic Pockets at the Membrane Interface: An Original Mechanism for Membrane Protein Interactionsâ€. Biochemistry, 2004, 43, 1276-1282.	1.2	15
52	The poly(A) binding protein Hfq protects RNA from RNase E and exoribonucleolytic degradation. Nucleic Acids Research, 2003, 31, 7302-7310.	6.5	152
53	The Degree of Oligomerization of the H-NS Nucleoid Structuring Protein Is Related to Specific Binding to DNA. Journal of Biological Chemistry, 2002, 277, 41657-41666.	1.6	79
54	Biochemical Characterization of the Dissociated Forms from the Core Antenna Proteins from Purple Bacteriaâ€. Biochemistry, 2002, 41, 11812-11819.	1.2	11

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55	The reaction order of the dissociation reaction of the B820 subunit ofRhodospirillum rubrumlight-harvesting I complex. FEBS Letters, 2002, 516, 40-42.	1.3	11
56	Structural Modelling of the Sm-like Protein Hfq from Escherichia coli. Journal of Molecular Biology, 2002, 320, 705-712.	2.0	52
57	RNA:pseudouridine synthetase Pus1 from Saccharomyces cerevisiae: Oligomerization property and stoichiometry of the complex with yeast tRNAPhe. Biochimie, 1999, 81, 751-756.	1.3	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.	2.0	33
59	Transfer RNAâˆ’Pseudouridine Synthetase Pus1 ofSaccharomyces cerevisiaeContains One Atom of Zinc Essential for Its Native Conformation and tRNA Recognitionâ€. Biochemistry, 1998, 37, 7268-7276.	1.2	31