Eliane Hajnsdorf

List of Publications by Year
in descending order

48 papers	1,729 citations	279798 23 h-index	289244 40 g-index
50 all docs	50 docs citations	50 times ranked	1180 citing authors

#	Article	IF	Citations
1	The essential role of mRNA degradation in understanding and engineering E. coli metabolism. Biotechnology Advances, 2022, 54, 107805.	11.7	6
2	RNase III Participates in the Adaptation to Temperature Shock and Oxidative Stress in Escherichia coli. Microorganisms, 2022, 10, 699.	3.6	3
3	Identification of RNAs bound by Hfq reveals widespread RNA partners and a sporulation regulator in the human pathogen <i>Clostridioides difficile</i>. RNA Biology, 2021, 18, 1931-1952.	3.1	13
4	RNase III, Ribosome Biogenesis and Beyond. Microorganisms, 2021, 9, 2608.	3.6	3
5	Type I toxin-antitoxin systems contribute to the maintenance of mobile genetic elements in Clostridioides difficile. Communications Biology, 2020, 3, 718.	4.4	65
6	The world of asRNAs in Gram-negative and Gram-positive bacteria. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2020, 1863, 194489.	1.9	9
7	Identification of protein-protein and ribonucleoprotein complexes containing Hfq. Scientific Reports, 2019, 9, 14054.	3.3	19
8	Physiological roles of antisense RNAs in prokaryotes. Biochimie, 2019, 164, 3-16.	2.6	19
9	Discovery of new type I toxinâ€“antitoxin systems adjacent to CRISPR arrays in Clostridium difficile. Nucleic Acids Research, 2018, 46, 4733-4751.	14.5	56
10	RNA polyadenylation and its consequences in prokaryotes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20180166.	4.0	32
11	Landscape of RNA polyadenylation in<i>E. coli</i>. Nucleic Acids Research, 2017, 45, gkw894.	14.5	22
12	The small RNA SraG participates in PNPase homeostasis. Rna, 2016, 22, 1560-1573.	3.5	14
13	A new custom microarray for sRNA profiling in<i>Escherichia coli</i>. FEMS Microbiology Letters, 2016, 363, fnw131.	1.8	6
14	<i>Clostridium difficile</i> Hfq can replace <i>Escherichia coli</i> Hfq for most of its function. Rna, 2014, 20, 1567-1578.	3.5	23
15	Role of polyadenylation in regulation of the flagella cascade and motility in Escherichia coli. Biochimie, 2013, 95, 410-418.	2.6	12
16	The interplay of Hfq, poly(A) polymerase I and exoribonucleases at the 3â€² ends of RNAs resulting from Rho-independent termination. RNA Biology, 2013, 10, 602-609.	3.1	26
17	Multiple activities of RNA-binding proteins S1 and Hfq. Biochimie, 2012, 94, 1544-1553.	2.6	74
18	Search for poly(A) polymerase targets in <i>E.â€ƒcoli</i> reveals its implication in surveillance of Glu tRNA processing and degradation of stable RNAs. Molecular Microbiology, 2012, 83, 436-451.	2.5	23

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19	Hfq affects mRNA levels independently of degradation. BMC Molecular Biology, 2010, 11, 17.	3.0	50
20	Is the secondary putative RNAâ€“RNA interaction site relevant to GcvB mediated regulation of oppA mRNA in Escherichia coli?. Biochimie, 2010, 92, 1458-1461.	2.6	6
21	The poly(A)-dependent degradation pathway of <i>rps</i>O mRNA is primarily mediated by RNase R. Rna, 2009, 15, 316-326.	3.5	38
22	Chapter 4 Poly(A)â€Assisted RNA Decay and Modulators of RNA Stability. Progress in Molecular Biology and Translational Science, 2009, 85, 137-185.	1.7	52
23	Chapter 9 The Role of RNA Chaperone Hfq in Poly(A) Metabolism. Methods in Enzymology, 2008, 447, 161-181.	1.0	3
24	The small RNA GlmY acts upstream of the sRNA GlmZ in the activation of glmS expression and is subject to regulation by polyadenylation in Escherichia coli. Nucleic Acids Research, 2008, 36, 2570-2580.	14.5	107
25	Polyadenylation of a functional mRNA controls gene expression in Escherichia coli. Nucleic Acids Research, 2007, 35, 2494-2502.	14.5	52
26	Hfq stimulates the activity of the CCA-adding enzyme. BMC Molecular Biology, 2007, 8, 92.	3.0	22
27	Hfq variant with altered RNA binding functions. Nucleic Acids Research, 2006, 34, 709-720.	14.5	34
28	Characterization of the molecular mechanisms involved in the differential production of erythrose-4-phosphate dehydrogenase, 3-phosphoglycerate kinase and class II fructose-1,6-bisphosphate aldolase inEscherichia coli. Molecular Microbiology, 2005, 57, 1265-1287.	2.5	22
29	Stimulation of poly(A) synthesis by Escherichia coli poly(A)polymeraseâ€ƒI is correlated with Hfq binding to poly(A) tails. FEBS Journal, 2005, 272, 454-463.	4.7	46
30	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.	2.6	15
31	The C-terminal domain of Escherichia coli Hfq increases the stability of the hexamer. FEBS Journal, 2004, 271, 1258-1265.	0.2	62
32	Hfq affects the length and the frequency of short oligo(A) tails at the 3' end of Escherichia coli rpsO mRNAs. Nucleic Acids Research, 2003, 31, 4017-4023.	14.5	66
33	The poly(A) binding protein Hfq protects RNA from RNase E and exoribonucleolytic degradation. Nucleic Acids Research, 2003, 31, 7302-7310.	14.5	152
34	RNase E and Polyadenyl Polymerase I are Involved in Maturation of CI RNA, the P4 Phage Immunity Factor. Journal of Molecular Biology, 2002, 318, 321-331.	4.2	16
35	Structural Modelling of the Sm-like Protein Hfq from Escherichia coli. Journal of Molecular Biology, 2002, 320, 705-712.	4.2	52
36	RNase II removes the oligo(A) tails that destabilize the rpsO mRNA of Escherichia coli. Rna, 2000, 6, 1185-1193.	3.5	73

#	ARTICLE	IF	CITATIONS
37	E. coli rpsO mRNA decay: RNase E processing at the beginning of the coding sequence stimulates Poly(A)-dependent degradation of the mRNA 1 1Edited by M. Yaniv. Journal of Molecular Biology, 1999, 286, 1033-1043.	4.2	43
38	Polynucleotide phosphorylase is required for the rapid degradation of the RNase Eâ€processed rpsO mRNA of Escherichia coli devoid of its 3â€² hairpin. Molecular Microbiology, 1996, 19, 997-1005.	2.5	48
39	Escherichia coli RNase II: characterization of the promoters involved in the transcription of rnb. Microbiology (United Kingdom), 1996, 142, 367-375.	1.8	19
40	Nucleolytic Inactivation and Degradation of the RNase III Processed pnp Message Encoding Polynucleotide Phosphorylase of Escherichia coli. Journal of Molecular Biology, 1994, 239, 439-454.	4.2	55
41	Decay of mRNA encoding ribosomal protein S15 of Escherichia coli is initiated by an RNase E-dependent endonucleolytic cleavage that removes the 3â€² stabilizing stem and loop structure. Journal of Molecular Biology, 1991, 217, 283-292.	4.2	131
42	An electrophoretic method for the purification of RNA regions involved in protein crosslinking. Analytical Biochemistry, 1990, 185, 103-107.	2.4	0
43	RNA PROTEIN CROSSLINKS INTRODUCED INTO E. coli RIBOSOMES BY USE OF THE INTRINSIC PROBE 4-THIOURIDINE. Photochemistry and Photobiology, 1987, 45, 445-451.	2.5	7
44	Identification of form III conformers in tRNAPhe from Escherichia coli by intramolecular photo-cross-linking. Biochemistry, 1986, 25, 5726-5734.	2.5	5
45	METABOLISM OF tRNAs IN GROWING CELLS OF Escherichia coli ILLUMINATED WITH NEAR-ULTRAVIOLET LIGHT. Photochemistry and Photobiology, 1986, 43, 157-164.	2.5	11
46	Substitution of uridine in vivo by the intrinsic photoactivable probe 4-thiouridine in Escherichia coli RNA. Its use for E. coli ribosome structural analysis. FEBS Journal, 1986, 160, 441-449.	0.2	31
47	Mutagenesis and growth delay induced in Escherichia coli by near-ultraviolet radiations. Biochimie, 1985, 67, 335-342.	2.6	72
48	Metabolism of tRNA in near-ultraviolet-illuminated Escherichia coli The tRNA repair hypothesis. FEBS Journal, 1984, 139, 547-552.	0.2	14