Pascale Romby

List of Publications by Year
in descending order

109 papers	8,470 citations	47409 49 h-index	54771 88 g-index
118 all docs	118 docs citations	118 times ranked	6028 citing authors

#	Article	IF	Citations
1	The 3â€²UTRâ€derived sRNA RsaG coordinates redox homeostasis and metabolism adaptation in response to glucoseâ€6â€phosphate uptake in <i>Staphylococcus aureus</i>. Molecular Microbiology, 2022, 117, 193-214.	1.2	15
2	RNA Modifications in Pathogenic Bacteria: Impact on Host Adaptation and Virulence. Genes, 2021, 12, 1125.	1.0	16
3	Stabilization of Ribosomal RNA of the Small Subunit by Spermidine in Staphylococcus aureus. Frontiers in Molecular Biosciences, 2021, 8, 738752.	1.6	7
4	The power of cooperation: Experimental and computational approaches in the functional characterization of bacterial sRNAs. Molecular Microbiology, 2020, 113, 603-612.	1.2	27
5	Mapping post-transcriptional modifications in Staphylococcus aureus tRNAs by nanoLC/MSMS. Biochimie, 2019, 164, 60-69.	1.3	19
6	RsaC sRNA modulates the oxidative stress response of Staphylococcus aureus during manganese starvation. Nucleic Acids Research, 2019, 47, 9871-9887.	6.5	71
7	A multifaceted small <scp>RNA</scp> modulates gene expression upon glucose limitation in <i>Staphylococcus aureus</i>. EMBO Journal, 2019, 38, .	3.5	44
8	The RNA targetome of Staphylococcus aureus non-coding RNA RsaA: impact on cell surface properties and defense mechanisms. Nucleic Acids Research, 2017, 45, 6746-6760.	6.5	41
9	Complete Genome Sequence and Annotation of the Staphylococcus aureus Strain HG001. Genome Announcements, 2017, 5, .	0.8	17
10	sRNA-mediated activation of gene expression by inhibition of 5'-3â€™ exonucleolytic mRNA degradation. ELife, 2017, 6, .	2.8	43
11	Two novel members of the LhrC family of small RNAs in <i>Listeria monocytogenes</i> with overlapping regulatory functions but distinctive expression profiles. RNA Biology, 2016, 13, 895-915.	1.5	36
12	<i>Staphylococcus aureus</i> RNAIII and Its Regulon Link Quorum Sensing, Stress Responses, Metabolic Adaptation, and Regulation of Virulence Gene Expression. Annual Review of Microbiology, 2016, 70, 299-316.	2.9	153
13	Traditional Chemical Mapping of RNA Structure In Vitro and In Vivo. Methods in Molecular Biology, 2016, 1490, 83-103.	0.4	1
14	Structure of the 70S ribosome from human pathogen<i>Staphylococcus aureus</i>. Nucleic Acids Research, 2016, 44, gkw933.	6.5	39
15	Various checkpoints prevent the synthesis ofStaphylococcus aureuspeptidoglycan hydrolase LytM in the stationary growth phase. RNA Biology, 2016, 13, 427-440.	1.5	8
16	Small RNAs in Bacteria and Archaea. Advances in Genetics, 2015, 90, 133-208.	0.8	462
17	A Nitric Oxide Regulated Small RNA Controls Expression of Genes Involved in Redox Homeostasis in Bacillus subtilis. PLoS Genetics, 2015, 11, e1004957.	1.5	73
18	sRNA and mRNA turnover in Gram-positive bacteria. FEMS Microbiology Reviews, 2015, 39, 316-330.	3.9	79

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19	A defense-offense multi-layered regulatory switch in a pathogenic bacterium. Nucleic Acids Research, 2015, 43, 1357-1369.	6.5	22
20	A glimpse at long regulatory RNAs in various organisms. Biochimie, 2015, 117, 1-2.	1.3	0
21	A method to map changes in bacterial surface composition induced by regulatory RNAs in Escherichia coli and Staphylococcus aureus. Biochimie, 2014, 106, 175-179.	1.3	8
22	A Non-Coding RNA Promotes Bacterial Persistence and Decreases Virulence by Regulating a Regulator in Staphylococcus aureus. PLoS Pathogens, 2014, 10, e1003979.	2.1	110
23	A PNPase Dependent CRISPR System in Listeria. PLoS Genetics, 2014, 10, e1004065.	1.5	76
24	The importance of regulatory RNAs in Staphylococcus aureus. Infection, Genetics and Evolution, 2014, 21, 616-626.	1.0	41
25	Novel aspects of RNA regulation in <i>Staphylococcus aureus</i>. FEBS Letters, 2014, 588, 2523-2529.	1.3	49
26	In vivo mapping of RNAâ€“RNA interactions in Staphylococcus aureus using the endoribonuclease III. Methods, 2013, 63, 135-143.	1.9	18
27	Escherichia coli Ribosomal Protein S1 Unfolds Structured mRNAs Onto the Ribosome for Active Translation Initiation. PLoS Biology, 2013, 11, e1001731.	2.6	151
28	RNA-Mediated Regulation in Pathogenic Bacteria. Cold Spring Harbor Perspectives in Medicine, 2013, 3, a010298-a010298.	2.9	157
29	Base Pairing Interaction between 5â€²- and 3â€²-UTRs Controls icaR mRNA Translation in Staphylococcus aureus. PLoS Genetics, 2013, 9, e1004001.	1.5	123
30	Global Regulatory Functions of the Staphylococcus aureus Endoribonuclease III in Gene Expression. PLoS Genetics, 2012, 8, e1002782.	1.5	128
31	Loop-loop interactions involved in antisense regulation are processed by the endoribonuclease III in<i>Staphylococcus aureus</i>. RNA Biology, 2012, 9, 1461-1472.	1.5	22
32	Current knowledge on regulatory RNAs and their machineries in<i>Staphylococcus aureus</i>. RNA Biology, 2012, 9, 402-413.	1.5	47
33	When Ribonucleases Come into Play in Pathogens: A Survey of Gram-Positive Bacteria. International Journal of Microbiology, 2012, 2012, 1-18.	0.9	21
34	The Expression of Small Regulatory RNAs in Clinical Samples Reflects the Different Life Styles of Staphylococcus aureus in Colonization vs. Infection. PLoS ONE, 2012, 7, e37294.	1.1	32
35	A Current Overview of Regulatory RNAs in Staphylococcus Aureus. , 2012, , 51-75.		3
36	The Staphylococcus aureus RNome and Its Commitment to Virulence. PLoS Pathogens, 2011, 7, e1002006.	2.1	123

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37	An overview of RNAs with regulatory functions in gram-positive bacteria. Cellular and Molecular Life Sciences, 2010, 67, 217-237.	2.4	93
38	RNA-mediated regulation in bacteria: from natural to artificial systems. New Biotechnology, 2010, 27, 222-235.	2.4	35
39	Cartography of Methicillin-Resistant S. aureus Transcripts: Detection, Orientation and Temporal Expression during Growth Phase and Stress Conditions. PLoS ONE, 2010, 5, e10725.	1.1	119
40	Staphylococcus aureus RNAIII Binds to Two Distant Regions of coa mRNA to Arrest Translation and Promote mRNA Degradation. PLoS Pathogens, 2010, 6, e1000809.	2.1	108
41	The cspA mRNA Is a Thermosensor that Modulates Translation of the Cold-Shock Protein CspA. Molecular Cell, 2010, 37, 21-33.	4.5	212
42	The Crc global regulator binds to an unpaired A-rich motif at the Pseudomonas putida alkS mRNA coding sequence and inhibits translation initiation. Nucleic Acids Research, 2009, 37, 7678-7690.	6.5	90
43	A search for small noncoding RNAs in Staphylococcus aureus reveals a conserved sequence motif for regulation. Nucleic Acids Research, 2009, 37, 7239-7257.	6.5	200
44	The role of mRNA structure in translational control in bacteria. RNA Biology, 2009, 6, 153-160.	1.5	63
45	Ribosomal Initiation Complexes Probed by Toeprinting and Effect of trans-Acting Translational Regulators in Bacteria. Methods in Molecular Biology, 2009, 540, 247-263.	0.4	35
46	Probing mRNA Structure and sRNAâ€“mRNA Interactions in Bacteria Using Enzymes and Lead(II). Methods in Molecular Biology, 2009, 540, 215-232.	0.4	24
47	RNA switches regulate initiation of translation in bacteria. Biological Chemistry, 2008, 389, 585-598.	1.2	22
48	Chapter 16 Staphylococcus aureus Endoribonuclease III. Methods in Enzymology, 2008, 447, 309-327.	0.4	22
49	Mutations in Residues Involved in Zinc Binding in the Catalytic Site of <i>Escherichia coli</i> Threonyl-tRNA Synthetase Confer a Dominant Lethal Phenotype. Journal of Bacteriology, 2007, 189, 6839-6848.	1.0	5
50	Structured mRNAs Regulate Translation Initiation by Binding to the Platform of the Ribosome. Cell, 2007, 130, 1019-1031.	13.5	129
51	Staphylococcus aureus RNAIII coordinately represses the synthesis of virulence factors and the transcription regulator Rot by an antisense mechanism. Genes and Development, 2007, 21, 1353-1366.	2.7	411
52	The role of RNAs in the regulation of virulence-gene expression. Current Opinion in Microbiology, 2006, 9, 229-236.	2.3	174
53	Translational Operator of mRNA on the Ribosome: How Repressor Proteins Exclude Ribosome Binding. Science, 2005, 308, 120-123.	6.0	99
54	Staphylococcus aureus RNAIII and the endoribonuclease III coordinately regulate spa gene expression. EMBO Journal, 2005, 24, 824-835.	3.5	308

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55	Bacterial translational control at atomic resolution. Trends in Genetics, 2003, 19, 155-161.	2.9	76
56	The modular structure of Escherichia coli threonyl-tRNA synthetase as both an enzyme and a regulator of gene expression. Molecular Microbiology, 2003, 47, 961-974.	1.2	30
57	High affinity nucleic acid aptamers for streptavidin incorporated into bi-specific capture ligands. Nucleic Acids Research, 2002, 30, 45e-45.	6.5	56
58	Lead(II) as a probe for investigating RNA structure in vivo. Rna, 2002, 8, 534-541.	1.6	70
59	12 Antisense RNAs in bacteria and their genetic elements. Advances in Genetics, 2002, 46, 361-398.	0.8	213
60	RNA loopâ€"loop interactions as dynamic functional motifs. Biochimie, 2002, 84, 925-944.	1.3	129
61	Structural basis of translational control by Escherichia coli threonyl tRNA synthetase. Nature Structural Biology, 2002, 9, 343-7.	9.7	56
62	Four-way Junctions in Antisense RNA-mRNA Complexes Involved in Plasmid Replication Control: A Common Theme?. Journal of Molecular Biology, 2001, 309, 605-614.	2.0	33
63	An unusual structure formed by antisense-target RNA binding involves an extended kissing complex with a four-way junction and a side-by-side helical alignment. Rna, 2000, 6, 311-324.	1.6	66
64	Probing the structure of RNAIII, the Staphylococcus aureus agr regulatory RNA, and identification of the RNA domain involved in repression of protein A expression. Rna, 2000, 6, 668-679.	1.6	152
65	Transfer RNAâ€"Mediated Editing in Threonyl-tRNA Synthetase. Cell, 2000, 103, 877-884.	13.5	175
66	[1] Probing RNA structure and RNA-ligand complexes with chemical probes. Methods in Enzymology, 2000, 318, 3-21.	0.4	122
67	Zinc ion mediated amino acid discrimination by threonyl-tRNA synthetase. Nature Structural Biology, 2000, 7, 461-465.	9.7	139
68	The Drosophila Modifier of Variegationmodulo Gene Product Binds Specific RNA Sequences at the Nucleolus and Interacts with DNA and Chromatin in a Phosphorylation-dependent Manner. Journal of Biological Chemistry, 1999, 274, 6315-6323.	1.6	36
69	The Structure of Threonyl-tRNA Synthetase-tRNAThr Complex Enlightens Its Repressor Activity and Reveals an Essential Zinc Ion in the Active Site. Cell, 1999, 97, 371-381.	13.5	291
70	TheEscherichia colithreonyl-tRNA synthetase gene contains a split ribosomal binding site interrupted by a hairpin structure that is essential for autoregulation. Molecular Microbiology, 1998, 29, 1077-1090.	1.2	41
71	Antisense RNA Control of Plasmid R1 Replication. Journal of Biological Chemistry, 1997, 272, 12508-12512.	1.6	69
72	Implications of RNA Structure on the Annealing of a Potent Antisense RNA Directed against the Human Immunodeficiency Virus Type 1. Biochemistry, 1997, 36, 12711-12721.	1.2	29

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73	A Novel Approach to Introduce Site-Directed Specific Cross-Links Within RNA-Protein Complexes. Application to the Escherichia Coli Threonyl-tRNA Synthetase/Translational Operator Complex. FEBS Journal, 1995, 231, 726-735.	0.2	20
74	Replication control of plasmid R1: disruption of an inhibitory RNA structure that sequesters the repA ribosome-binding site permits tap-independent RepA synthesis. Molecular Microbiology, 1994, 12, 49-60.	1.2	41
75	Molecular mimicry in translational control ofE.colithreonyl-tRNA synthetase gene. Competitive inhibition in tRNA aminoacylation and operator-repressor recognition switch using tRNA identity rules. Nucleic Acids Research, 1992, 20, 5633-5640.	6.5	41
76	Three-dimensional model of Escherichia coli ribosomal 5 S RNA as deduced from structure probing in solution and computer modeling. Journal of Molecular Biology, 1991, 221, 293-308.	2.0	96
77	Structural studies on site-directed mutants of domain 3 of Xenopus laevis oocyte 5 S ribosomal RNA. Journal of Molecular Biology, 1991, 219, 243-255.	2.0	22
78	Involvement of â€œhingeâ€•nucleotides of Xenopus laevis 5 S rRNA in the RNA structural organization and in the binding of transcription factor TFIIIA. Journal of Molecular Biology, 1991, 218, 69-81.	2.0	41
79	Solution confomation of several free tRNALeuspecies from bean, yeast andEscherichia coliand interaction of these tRNAs with bean cytoplasmic Leucyl-tRNA synthetase. A phosphate alkylation study with ethylnitrosourea. Nucleic Acids Research, 1990, 18, 2589-2597.	6.5	29
80	Effect of mutations in domain 2 on the structural organization of oocyte 5 S rRNA from Xenopus laevis. Journal of Molecular Biology, 1990, 215, 103-111.	2.0	25
81	Escherichia coli threonyl-tRNA synthetase and tRNAThr modulate the binding of the ribosome to the translational initiation site of the ThrS mRNA. Journal of Molecular Biology, 1990, 216, 299-310.	2.0	84
82	The conformation of the initiator tRNA and of the 16S rRNA from Escherichia coli during the formation of the 30S initiation complex. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1990, 1050, 84-92.	2.4	7
83	The translational regulation of threonyl-tRNA synthetase. Functional relationship between the enzyme, the cognate tRNA and the ribosome. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1990, 1050, 343-350.	2.4	10
84	Binding of initiation factor 2 and initiator tRNA to the Escherichia coli 30S ribosomal subunit induces allosteric transitions in 16S rRNA. Biochemistry, 1990, 29, 8144-8151.	1.2	18
85	Use of Lead(II) to Probe the Structure of Large RNA's. Conformation of the 3â€² Terminal Domain ofE. coli16S rRNA and its Involvement in Building the tRNA Binding Sites. Journal of Biomolecular Structure and Dynamics, 1989, 6, 971-984.	2.0	94
86	Computer modeling from solution data of spinach chloroplast and of Xenopus laevis somatic and oocyte 5 S rRNAs. Journal of Molecular Biology, 1989, 207, 417-431.	2.0	144
87	Probing the phosphates of the Escherichia coli ribosomal 16S RNA in its naked form, in the 30S subunit, and in the 70S ribosome. Biochemistry, 1989, 28, 5847-5855.	1.2	32
88	Characterization and footprint analysis of two 5S rRNA binding proteins from spinach chloroplast ribosomes. Biochemistry, 1989, 28, 5840-5846.	1.2	15
89	Crosslinking of transcription factor TFIIIA to ribosomal 5S RNA fromX.laevisbytrans-diamminedichloroplatinum (II). Nucleic Acids Research, 1989, 17, 10035-10046.	6.5	20
90	Translational control in E. coli: The case of threonyl-tRNA synthetase. Bioscience Reports, 1988, 8, 619-632.	1.1	13

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91	Higher order structure of chloroplastic 5S ribosomal RNA from spinach. Biochemistry, 1988, 27, 4721-4730.	1.2	56
92	Secondary structure of the Escherichia coli translational operator of threonyl-tRNA synthetase and relationship to its function. Gene, 1988, 72, 187-188.	1.0	1
93	A comparison of the solution structures and conformational properties of the somatic and oocyte 5S rRNAs ofXenopus laevis. Nucleic Acids Research, 1988, 16, 2295-2312.	6.5	55
94	Translational Control in E.Coli: The Case of Threonyl-tRNA Synthetase. , 1988, , 463-478.		1
95	Importance of Conserved Residues for the Conformation of the T-Loop in tRNAs. Journal of Biomolecular Structure and Dynamics, 1987, 5, 669-687.	2.0	60
96	Higher-order structure of domain III in Escherichia coli 16S ribosomal RNA, 30S subunit and 70S ribosome. Biochimie, 1987, 69, 1081-1096.	1.3	50
97	Comparison of the tertiary structure of yeast tRNAAsp and tRNAPhe in solution. Journal of Molecular Biology, 1987, 195, 193-204.	2.0	83
98	Probing the structure of RNAs in solution. Nucleic Acids Research, 1987, 15, 9109-9128.	6.5	751
99	Binding of Escherichia coli ribosomal protein S8 to 16 S rRNA. Journal of Molecular Biology, 1987, 198, 91-107.	2.0	99
100	Studies on Anticodon-anticodon Interactions: Hemi-protonation of Cytosines Induces Self-pairing Through the GCC Anticodon ofE. ColitRNA-Gly. Journal of Biomolecular Structure and Dynamics, 1986, 4, 193-203.	2.0	18
101	Correlation Between Crystal and Solution Structures in tRNA. Yeast tRNAPhe and tRNAAsp the Models for Free and Messenger RNA Bound tRNAs. , 1986, , 125-136.		1
102	Yeast tRNAAsp tertiary structure in solution and areas of interaction of the tRNA with aspartyl-tRNA synthetase. Journal of Molecular Biology, 1985, 184, 455-471.	2.0	129
103	Anticodon-anticodon interactions in solution. Journal of Molecular Biology, 1985, 184, 107-118.	2.0	28
104	Interactions between avian myeloblastosis reverse transcriptase and tRNATrp. Mapping of complexed tRNA with chemicals and nucleases. Nucleic Acids Research, 1984, 12, 2259-2271.	6.5	31
105	Tertiary structure of animal tRNATrp in solution and interaction of tRNATrp with tryptophanyl-tRNA synthetase. FEBS Journal, 1984, 138, 67-75.	0.2	36
106	Interaction of tRNAPhe and tRNAVal with Aminoacyl-tRNA Synthetases. A Chemical Modication Study. FEBS Journal, 1983, 132, 537-544.	0.2	35
107	Yeast tRNAAsp-Aspartyl-tRNA Synthetase: The Crystalline Complex. Journal of Biomolecular Structure and Dynamics, 1983, 1, 209-223.	2.0	26
108	Probing RNA Structures with Enzymes and ChemicalsIn Vitro andIn Vivo. , 0, , 151-171.		14

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109	Modulatory Role of Modified Nucleotides in RNA Loop-Loop Interaction. , 0, , 113-133.		13