

Susan Gottesman

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92
papers

12,792
citations

50
h-index

96
g-index

96
ext. papers

14,500
ext. citations

11
avg, IF

7.04
L-index

#	Paper	IF	Citations
92	Multiple in vivo roles for the C-terminal domain of the RNA chaperone Hfq.. <i>Nucleic Acids Research</i> , 2022 ,	20.1	2
91	A fluorescence-based genetic screen reveals diverse mechanisms silencing small RNA signaling in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
90	Trans-Acting Small RNAs and Their Effects on Gene Expression in and. <i>EcoSal Plus</i> , 2020 , 9,	7.7	62
89	Phage Resistance in Multidrug-Resistant <i>Klebsiella pneumoniae</i> ST258 Evolves via Diverse Mutations That Culminate in Impaired Adsorption. <i>MBio</i> , 2020 , 11,	7.8	36
88	How Does the Alarmone ppGpp Change Bacterial Cell Metabolism? From Genome-wide Approaches to Structure to Physiology. <i>Molecular Cell</i> , 2020 , 80, 1-2	17.6	4
87	IgaA negatively regulates the Rcs Phosphorelay via contact with the RcsD Phosphotransfer Protein. <i>PLoS Genetics</i> , 2020 , 16, e1008610	6	10
86	IgaA negatively regulates the Rcs Phosphorelay via contact with the RcsD Phosphotransfer Protein 2020 , 16, e1008610		
85	IgaA negatively regulates the Rcs Phosphorelay via contact with the RcsD Phosphotransfer Protein 2020 , 16, e1008610		
84	IgaA negatively regulates the Rcs Phosphorelay via contact with the RcsD Phosphotransfer Protein 2020 , 16, e1008610		
83	IgaA negatively regulates the Rcs Phosphorelay via contact with the RcsD Phosphotransfer Protein 2020 , 16, e1008610		
82	Trouble is coming: Signaling pathways that regulate general stress responses in bacteria. <i>Journal of Biological Chemistry</i> , 2019 , 294, 11685-11700	5.4	74
81	Regulation of Transcription Termination of Small RNAs and by Small RNAs: Molecular Mechanisms and Biological Functions. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 201	5.9	35
80	Structural basis for inhibition of a response regulator of β stability by a ClpXP antiadaptor. <i>Genes and Development</i> , 2019 , 33, 718-732	12.6	12
79	A 5SUTR-Derived sRNA Regulates RhlR-Dependent Quorum Sensing in <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2019 , 10,	7.8	20
78	Regulation of acetate metabolism and coordination with the TCA cycle via a processed small RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 1043-1052	11.5	34
77	Chilled in Translation: Adapting to Bacterial Climate Change. <i>Molecular Cell</i> , 2018 , 70, 193-194	17.6	12
76	Small Regulatory RNAs in the Enterobacterial Response to Envelope Damage and Oxidative Stress. <i>Microbiology Spectrum</i> , 2018 , 6,	8.9	28

75	The Complex Rcs Regulatory Cascade. <i>Annual Review of Microbiology</i> , 2018 , 72, 111-139	17.5	94
74	New aspects of RNA-based regulation by Hfq and its partner sRNAs. <i>Current Opinion in Microbiology</i> , 2018 , 42, 53-61	7.9	113
73	Small Regulatory RNAs in the Enterobacterial Response to Envelope Damage and Oxidative Stress 2018 , 211-228		0
72	Experimental Evolution of Escherichia coli K-12 at High pH and with RpoS Induction. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	9
71	Alternative pathways for Escherichia coli biofilm formation revealed by sRNA overproduction. <i>Molecular Microbiology</i> , 2017 , 105, 309-325	4.1	43
70	In vivo characterization of an Hfq protein encoded by the Bacillus anthracis virulence plasmid pXO1. <i>BMC Microbiology</i> , 2017 , 17, 63	4.5	8
69	Hfq links translation repression to stress-induced mutagenesis in. <i>Genes and Development</i> , 2017 , 31, 1382-1395	13.5	8
68	Stress Reduction, Bacterial Style. <i>Journal of Bacteriology</i> , 2017 , 199,	3.5	9
67	Spot 42 sRNA regulates arabinose-inducible araBAD promoter activity by repressing synthesis of the high-affinity low-capacity arabinose transporter. <i>Journal of Bacteriology</i> , 2017 , 199, e00691-16	3.5	6
66	sRNA-Mediated Control of Transcription Termination in E. coli. <i>Cell</i> , 2016 , 167, 111-121.e13	56.2	123
65	Cell biology: Phosphate on, rubbish out. <i>Nature</i> , 2016 , 539, 38-39	50.4	5
64	sRNA roles in regulating transcriptional regulators: Lrp and SoxS regulation by sRNAs. <i>Nucleic Acids Research</i> , 2016 , 44, 6907-23	20.1	40
63	Small RNA Regulation of TolC, the Outer Membrane Component of Bacterial Multidrug Transporters. <i>Journal of Bacteriology</i> , 2016 , 198, 1101-13	3.5	39
62	Unexpected properties of sRNA promoters allow feedback control via regulation of a two-component system. <i>Nucleic Acids Research</i> , 2016 , 44, 9650-9666	20.1	20
61	C-terminal domain of the RNA chaperone Hfq drives sRNA competition and release of target RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E6089-E6096	11.5	67
60	Acidic Residues in the Hfq Chaperone Increase the Selectivity of sRNA Binding and Annealing. <i>Journal of Molecular Biology</i> , 2015 , 427, 3491-3500	6.5	23
59	Stress sigma factor RpoS degradation and translation are sensitive to the state of central metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5159-64	11.5	49
58	Alternative Hfq-sRNA interaction modes dictate alternative mRNA recognition. <i>EMBO Journal</i> , 2015 , 34, 2557-73	13	115

57	Hfq's in <i>Bacillus anthracis</i> : Role of protein sequence variation in the structure and function of proteins in the Hfq family. <i>Protein Science</i> , 2015 , 24, 1808-19	6.3	13
56	RNA reflections: converging on Hfq. <i>Rna</i> , 2015 , 21, 511-2	5.8	28
55	RNA. Riboswitch regulates RNA. <i>Science</i> , 2014 , 345, 876-7	33.3	14
54	The MiaA tRNA modification enzyme is necessary for robust RpoS expression in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2014 , 196, 754-61	3.5	20
53	Roles of adaptor proteins in regulation of bacterial proteolysis. <i>Current Opinion in Microbiology</i> , 2013 , 16, 140-7	7.9	67
52	Bacterial small RNA-based negative regulation: Hfq and its accomplices. <i>Journal of Biological Chemistry</i> , 2013 , 288, 7996-8003	5.4	195
51	Mutations in interaction surfaces differentially impact <i>E. coli</i> Hfq association with small RNAs and their mRNA targets. <i>Journal of Molecular Biology</i> , 2013 , 425, 3678-97	6.5	100
50	Complex transcriptional and post-transcriptional regulation of an enzyme for lipopolysaccharide modification. <i>Molecular Microbiology</i> , 2013 , 89, 52-64	4.1	37
49	Anti-adaptors provide multiple modes for regulation of the RssB adaptor protein. <i>Genes and Development</i> , 2013 , 27, 2722-35	12.6	41
48	A complex network of small non-coding RNAs regulate motility in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2012 , 86, 524-38	4.1	122
47	The RpoS-mediated general stress response in <i>Escherichia coli</i> . <i>Annual Review of Microbiology</i> , 2011 , 65, 189-213	17.5	596
46	Competition among Hfq-binding small RNAs in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2011 , 82, 1545-62	4.1	127
45	Role of polynucleotide phosphorylase in sRNA function in <i>Escherichia coli</i> . <i>Rna</i> , 2011 , 17, 1172-89	5.8	84
44	Bacterial small RNA regulators: versatile roles and rapidly evolving variations. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3,	10.2	530
43	MicA sRNA links the PhoP regulon to cell envelope stress. <i>Molecular Microbiology</i> , 2010 , 76, 467-79	4.1	82
42	Integrating anaerobic/aerobic sensing and the general stress response through the ArcZ small RNA. <i>EMBO Journal</i> , 2010 , 29, 3094-107	13	210
41	Positive regulation by small RNAs and the role of Hfq. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 9602-7	11.5	216
40	Mechanism of positive regulation by DsrA and RprA small noncoding RNAs: pairing increases translation and protects rpoS mRNA from degradation. <i>Journal of Bacteriology</i> , 2010 , 192, 5559-71	3.5	100

39	The Crp-activated small noncoding regulatory RNA CyaR (RyeE) links nutritional status to group behavior. <i>Journal of Bacteriology</i> , 2009 , 191, 461-76	3.5	146
38	A genetic approach for finding small RNAs regulators of genes of interest identifies RybC as regulating the DpiA/DpiB two-component system. <i>Molecular Microbiology</i> , 2009 , 72, 551-65	4.1	99
37	A PhoQ/P-regulated small RNA regulates sensitivity of Escherichia coli to antimicrobial peptides. <i>Molecular Microbiology</i> , 2009 , 74, 1314-30	4.1	121
36	A reversed approach for finding small RNAs regulating genes of interest. <i>FASEB Journal</i> , 2009 , 23, 846.30.9		
35	Multiple pathways for regulation of sigmaS (RpoS) stability in Escherichia coli via the action of multiple anti-adaptors. <i>Molecular Microbiology</i> , 2008 , 68, 298-313	4.1	122
34	The 5' end of two redundant sRNAs is involved in the regulation of multiple targets, including their own regulator. <i>Nucleic Acids Research</i> , 2008 , 36, 6781-94	20.1	123
33	ppGpp regulation of RpoS degradation via anti-adaptor protein IraP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 12896-901	11.5	102
32	Translational regulation of the Escherichia coli stress factor RpoS: a role for SsrA and Lon. <i>Journal of Bacteriology</i> , 2007 , 189, 4872-9	3.5	37
31	SigmaE regulates and is regulated by a small RNA in Escherichia coli. <i>Journal of Bacteriology</i> , 2007 , 189, 4243-56	3.5	113
30	Modulating RssB activity: IraP, a novel regulator of sigma(S) stability in Escherichia coli. <i>Genes and Development</i> , 2006 , 20, 884-97	12.6	124
29	The PhoP/PhoQ two-component system stabilizes the alternative sigma factor RpoS in Salmonella enterica. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 13503-8	11.5	104
28	Modulating the outer membrane with small RNAs. <i>Genes and Development</i> , 2006 , 20, 2338-48	12.6	165
27	Remodelling of the Escherichia coli outer membrane by two small regulatory RNAs. <i>Molecular Microbiology</i> , 2006 , 59, 231-47	4.1	203
26	The Rcs phosphorelay: a complex signal transduction system. <i>Annual Review of Microbiology</i> , 2005 , 59, 379-405	17.5	423
25	Micros for microbes: non-coding regulatory RNAs in bacteria. <i>Trends in Genetics</i> , 2005 , 21, 399-404	8.5	388
24	Analysis of the Escherichia coli Alp phenotype: heat shock induction in ssrA mutants. <i>Journal of Bacteriology</i> , 2005 , 187, 4739-51	3.5	29
23	Effect of RyhB small RNA on global iron use in Escherichia coli. <i>Journal of Bacteriology</i> , 2005 , 187, 6962-715	3.5	421
22	Role of RcsF in signaling to the Rcs phosphorelay pathway in Escherichia coli. <i>Journal of Bacteriology</i> , 2005 , 187, 6770-8	3.5	113

21	The small RNA regulators of Escherichia coli: roles and mechanisms*. <i>Annual Review of Microbiology</i> , 2004 , 58, 303-28	17.5	478
20	Small RNAs shed some light. <i>Cell</i> , 2004 , 118, 1-2	56.2	21
19	Proteolysis in bacterial regulatory circuits. <i>Annual Review of Cell and Developmental Biology</i> , 2003 , 19, 565-87	12.6	341
18	Global analysis of small RNA and mRNA targets of Hfq. <i>Molecular Microbiology</i> , 2003 , 50, 1111-24	4.1	449
17	Coupled degradation of a small regulatory RNA and its mRNA targets in Escherichia coli. <i>Genes and Development</i> , 2003 , 17, 2374-83	12.6	572
16	Regulation and mode of action of the second small RNA activator of RpoS translation, RprA. <i>Molecular Microbiology</i> , 2002 , 46, 813-26	4.1	281
15	A small RNA regulates the expression of genes involved in iron metabolism in Escherichia coli. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 4620-5	11.5	894
14	Stealth regulation: biological circuits with small RNA switches. <i>Genes and Development</i> , 2002 , 16, 2829-42	2.6	92
13	Regulation of RpoS by a novel small RNA: the characterization of RprA. <i>Molecular Microbiology</i> , 2001 , 39, 1382-94	4.1	233
12	The RssB response regulator directly targets sigma(S) for degradation by ClpXP. <i>Genes and Development</i> , 2001 , 15, 627-37	12.6	230
11	Identification of novel small RNAs using comparative genomics and microarrays. <i>Genes and Development</i> , 2001 , 15, 1637-51	12.6	548
10	Cell biology. Surviving starvation. <i>Science</i> , 2001 , 293, 614-5	33.3	20
9	Regulation of RpoS by a novel small RNA: the characterization of RprA 2001 , 39, 1382		3
8	Posttranslational quality control: folding, refolding, and degrading proteins. <i>Science</i> , 1999 , 286, 1888-93	33.3	930
7	Regulation of proteolysis of the stationary-phase sigma factor RpoS. <i>Journal of Bacteriology</i> , 1998 , 180, 1154-8	3.5	153
6	Proteases and their targets in Escherichia coli. <i>Annual Review of Genetics</i> , 1996 , 30, 465-506	14.5	611
5	Six-fold rotational symmetry of ClpQ, the E. coli homolog of the 20S proteasome, and its ATP-dependent activator, ClpY. <i>FEBS Letters</i> , 1996 , 398, 274-8	3.8	95
4	Bacterial regulation: global regulatory networks. <i>Annual Review of Genetics</i> , 1984 , 18, 415-41	14.5	221

3	Roles of mRNA Stability, Translational Regulation, and Small RNAs in Stress Response Regulation	59-73	4
2	Regulation of Capsule Synthesis: Modification of the Two-Component Paradigm by an Accessory Unstable Regulator	253-262	45
1	Negative regulation of the Rcs phosphorelay via IgaA contact with the RcsD phosphotransfer protein		1