# E Gerhart H Wagner

List of Publications by Year
in descending order



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|---|---|---|---|
| 49 papers | 4,921 citations | 136740 32 h-index | 205818 48 g-index |
| 52 all docs | 52 docs citations | 52 times ranked | 3675 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Length of a DNA T-Tract Modulates Expression of a Virulence-Regulating sRNA. Molecular Cell, 2020, 80, 175-177. | 4.5 | 0 |
| 2 | An RNA pseudoknot is essential for standby-mediated translation of the<i>tisB</i>toxin mRNA in<i>Escherichia coli</i>. Nucleic Acids Research, 2020, 48, 12336-12347. | 6.5 | 10 |
| 3 | Small RNAs OmrA and OmrB promote class III flagellar gene expression by inhibiting the synthesis of anti-Sigma factor FlgM. RNA Biology, 2020, 17, 872-880. | 1.5 | 18 |
| 4 | Hfqâ€dependent <scp>mRNA</scp> unfolding promotes <scp>sRNA</scp> â€based inhibition of translation. EMBO Journal, 2019, 38, . | 3.5 | 37 |
| 5 | The ribosomal protein S1-dependent standby site in <i>tisB</i> mRNA consists of a single-stranded region and a 5â€² structure element. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15901-15906. | 3.3 | 32 |
| 6 | Persister Formation Driven by TisB-Dependent Membrane Depolarization. , 2019, , 77-97. | | 4 |
| 7 | Unstructured 5â€²-tails act through ribosome standby to override inhibitory structure at ribosome binding sites. Nucleic Acids Research, 2018, 46, 4188-4199. | 6.5 | 27 |
| 8 | RNA-based regulation in type I toxinâ€"antitoxin systems and its implication for bacterial persistence. Current Genetics, 2017, 63, 1011-1016. | 0.8 | 45 |
| 9 | Two regulatory <scp>RNA</scp> elements affect <scp>T</scp>is<scp>B</scp>â€dependent depolarization and persister formation. Molecular Microbiology, 2017, 103, 1020-1033. | 1.2 | 69 |
| 10 | Fluorescent CRISPR Adaptation Reporter for rapid quantification of spacer acquisition. Scientific Reports, 2017, 7, 10392. | 1.6 | 15 |
| 11 | Impact of bacterial sRNAs in stress responses. Biochemical Society Transactions, 2017, 45, 1203-1212. | 1.6 | 133 |
| 12 | RNA-sequence data normalization through in silico prediction of reference genes: the bacterial response to DNA damage as case study. BioData Mining, 2017, 10, 30. | 2.2 | 15 |
| 13 | One Gene and Two Proteins: a Leaderless mRNA Supports the Translation of a Shorter Form of the <i>Shigella</i> VirF Regulator. MBio, 2016, 7, . | 1.8 | 34 |
| 14 | Small RNAs in Bacteria and Archaea. Advances in Genetics, 2015, 90, 133-208. | 0.8 | 462 |
| 15 | 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 |
| 16 | Differential Translation Tunes Uneven Production of Operon-Encoded Proteins. Cell Reports, 2013, 4, 938-944. | 2.9 | 64 |
| 17 | Massive functional mapping of a 5â€²-UTR by saturation mutagenesis, phenotypic sorting and deep sequencing. Nucleic Acids Research, 2013, 41, e122-e122. | 6.5 | 27 |
| 18 | Cycling of RNAs on Hfq. RNA Biology, 2013, 10, 619-626. | 1.5 | 103 |

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|---|---|---|---|
| 19 | The toxin-antitoxin system<i>tisB-istR1</i>. RNA Biology, 2012, 9, 1513-1519. | 1.5 | 43 |
| 20 | A mixed double negative feedback loop between the sRNA MicF and the global regulator Lrp. Molecular Microbiology, 2012, 84, 414-427. | 1.2 | 70 |
| 21 | Hâ€NSâ€mediated repression of CRISPRâ€based immunity in <i>Escherichia coli</i> K12 can be relieved by the transcription activator LeuO. Molecular Microbiology, 2010, 77, 1380-1393. | 1.2 | 220 |
| 22 | RNAs actively cycle on the Sm-like protein Hfq. Genes and Development, 2010, 24, 2621-2626. | 2.7 | 143 |
| 23 | Kill the messenger: bacterial antisense RNA promotes mRNA decay. Nature Structural and Molecular Biology, 2009, 16, 804-806. | 3.6 | 33 |
| 24 | A small SOSâ€induced toxin is targeted against the inner membrane in <i>Escherichia coli</i>. Molecular Microbiology, 2008, 70, 258-270. | 1.2 | 161 |
| 25 | Exploring the complex world of RNA regulation. Biology of the Cell, 2008, 100, e1-3. | 0.7 | 11 |
| 26 | Sigma E controls biogenesis of the antisense RNA MicA. Nucleic Acids Research, 2007, 35, 1279-1288. | 6.5 | 101 |
| 27 | Dealing with stable structures at ribosome binding sites: Bacterial translation and ribosome standby. RNA Biology, 2007, 4, 113-117. | 1.5 | 24 |
| 28 | RNA antitoxins. Current Opinion in Microbiology, 2007, 10, 117-124. | 2.3 | 216 |
| 29 | Target identification of small noncoding RNAs in bacteria. Current Opinion in Microbiology, 2007, 10, 262-270. | 2.3 | 165 |
| 30 | An Antisense RNA Inhibits Translation by Competing with Standby Ribosomes. Molecular Cell, 2007, 26, 381-392. | 4.5 | 224 |
| 31 | The role of RNAs in the regulation of virulence-gene expression. Current Opinion in Microbiology, 2006, 9, 229-236. | 2.3 | 174 |
| 32 | Hfq-dependent regulation of OmpA synthesis is mediated by an antisense RNA. Genes and Development, 2005, 19, 2355-2366. | 2.7 | 271 |
| 33 | Disruption of the gene encoding the V-ATPase subunit A results in inhibition of normal growth and abolished sporulation in Aspergillus nidulans. Microbiology (United Kingdom), 2004, 150, 743-748. | 0.7 | 19 |
| 34 | The Small RNA IstR Inhibits Synthesis of an SOS-Induced Toxic Peptide. Current Biology, 2004, 14, 2271-2276. | 1.8 | 241 |
| 35 | Loop Swapping in an Antisense RNA/Target RNA Pair Changes Directionality of Helix Progression. Journal of Biological Chemistry, 2003, 278, 35558-35563. | 1.6 | 9 |
| 36 | RNomics in Escherichia coli detects new sRNA species and indicates parallel transcriptional output in bacteria. Nucleic Acids Research, 2003, 31, 6435-6443. | 6.5 | 388 |

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|---|---|---|---|
| 37 | An Antisense RNA-Mediated Transcriptional Attenuation Mechanism Functions in Escherichia coli. Journal of Bacteriology, 2002, 184, 2740-2747. | 1.0 | 42 |
| 38 | Lead(II) as a probe for investigating RNA structure in vivo. Rna, 2002, 8, 534-541. | 1.6 | 70 |
| 39 | 12 Antisense RNAs in bacteria and their genetic elements. Advances in Genetics, 2002, 46, 361-398. | 0.8 | 213 |
| 40 | Antisense RNAs everywhere?. Trends in Genetics, 2002, 18, 223-226. | 2.9 | 91 |
| 41 | Antisense RNA-mediated transcriptional attenuation: an in vitro study of plasmid pT181. Molecular Microbiology, 2002, 35, 1469-1482. | 1.2 | 74 |
| 42 | 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 |
| 43 | Degradation pathway of CopA, the antisense RNA that controls replication of plasmid R1. Microbiology (United Kingdom), 1998, 144, 1907-1917. | 0.7 | 34 |
| 44 | Regulation of plasmid R1 replication: PcnB and RNase E expedite the decay of the antisense RNA, CopA. Molecular Microbiology, 1997, 26, 493-504. | 1.2 | 59 |
| 45 | An unusually long-lived antisense RNA in plasmid copy number control: in vivo RNAs encoded by the streptococcal plasmid pIP501. Journal of Molecular Biology, 1996, 255, 275-288. | 2.0 | 45 |
| 46 | Antisense RNA Control in Bacteria, Phages, and Plasmids. Annual Review of Microbiology, 1994, 48, 713-742. | 2.9 | 427 |
| 47 | 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 |
| 48 | PcnB is required for the rapid degradation of RNAI, the antisense RNA that controls the copy number of ColE1-related plasmids. Molecular Microbiology, 1993, 9, 1131-1142. | 1.2 | 93 |
| 49 | Structural and functional analyses of the FinP antisense RNA regulatory system of the F conjugative plasmid. Molecular Microbiology, 1993, 10, 35-43. | 1.2 | 45 |