

# Rosemary J Redfield

## List of Publications by Year in descending order

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63  
papers

3,908  
citations

109321

35  
h-index

133252

59  
g-index

67  
all docs

67  
docs citations

67  
times ranked

3062  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-wide analysis of DNA uptake across the outer membrane of naturally competent <i>Haemophilus influenzae</i> . <i>IScience</i> , 2021, 24, 102007.	4.1	4
2	A competence-regulated toxin-antitoxin system in <i>Haemophilus influenzae</i> . <i>PLoS ONE</i> , 2020, 15, e0217255.	2.5	5
3	Mutationism, not Lamarckism, captures the novelty of CRISPR-Cas. <i>Biology and Philosophy</i> , 2019, 34, 1.	1.4	5
4	Evolution of Bacterial Gene Transfer Agents. <i>Frontiers in Microbiology</i> , 2018, 9, 2527.	3.5	35
5	Transformed Recombinant Enrichment Profiling Rapidly Identifies HMW1 as an Intracellular Invasion Locus in <i>Haemophilus influenzae</i> . <i>PLoS Pathogens</i> , 2016, 12, e1005576.	4.7	16
6	Putting my money where my mouth is: the Useful Genetics project. <i>Trends in Genetics</i> , 2015, 31, 195-200.	6.7	3
7	Characterization of Nontypable <i>Haemophilus influenzae</i> Isolates Recovered from Adult Patients with Underlying Chronic Lung Disease Reveals Genotypic and Phenotypic Traits Associated with Persistent Infection. <i>PLoS ONE</i> , 2014, 9, e97020.	2.5	29
8	Extensive Cotransformation of Natural Variation into Chromosomes of Naturally Competent <i>Haemophilus influenzae</i> . <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 717-731.	1.8	47
9	Natural Competence and the Evolution of DNA Uptake Specificity. <i>Journal of Bacteriology</i> , 2014, 196, 1471-1483.	2.2	202
10	The availability of purine nucleotides regulates natural competence by controlling translation of the competence activator <i>scpX</i> . <i>Molecular Microbiology</i> , 2013, 88, 1106-1119.	2.5	33
11	“Why Do We Have to Learn This Stuff?” A New Genetics for 21st Century Students. <i>PLoS Biology</i> , 2012, 10, e1001356.	5.6	64
12	Natural Transformation of <i>Gallibacterium anatis</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 4914-4922.	3.1	38
13	Defining the DNA uptake specificity of naturally competent <i>Haemophilus influenzae</i> cells. <i>Nucleic Acids Research</i> , 2012, 40, 8536-8549.	14.5	46
14	Seventeen <i>ScpX</i> -Dependent Cyclic AMP Receptor Protein Site-Regulated Genes Are Needed for Natural Transformation in <i>Haemophilus influenzae</i> . <i>Journal of Bacteriology</i> , 2012, 194, 5245-5254.	2.2	57
15	Absence of Detectable Arsenate in DNA from Arsenate-Grown GFAJ-1 Cells. <i>Science</i> , 2012, 337, 470-473.	12.6	114
16	Natural DNA Uptake by <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2012, 7, e35620.	2.5	54
17	Comment on “A Bacterium That Can Grow by Using Arsenic Instead of Phosphorus”. <i>Science</i> , 2011, 332, 1149-1149.	12.6	23
18	Transformation of Natural Genetic Variation into <i>Haemophilus influenzae</i> Genomes. <i>PLoS Pathogens</i> , 2011, 7, e1002151.	4.7	75

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19	Bacterial DNA Uptake Sequences Can Accumulate by Molecular Drive Alone. <i>Genetics</i> , 2010, 186, 613-627.	2.9	14
20	Tracing the Evolution of Competence in <i>Haemophilus influenzae</i> . <i>PLoS ONE</i> , 2009, 4, e5854.	2.5	25
21	The hotspot conversion paradox. <i>Nature Precedings</i> , 2009, , .	0.1	0
22	Coevolution of DNA Uptake Sequences and Bacterial Proteomes. <i>Genome Biology and Evolution</i> , 2009, 1, 45-55.	2.5	19
23	Sxy Induces a CRP-S Regulon in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2009, 191, 5180-5195.	2.2	43
24	Natural competence in strains of <i>Actinobacillus pleuropneumoniae</i> . <i>FEMS Microbiology Letters</i> , 2009, 298, 124-130.	1.8	35
25	EXTENSIVE VARIATION IN NATURAL COMPETENCE IN <i>HAEMOPHILUS INFLUENZAE</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 1852-1866.	2.3	70
26	Looking to Bacteria for Clues. <i>Science</i> , 2009, 325, 946-946.	12.6	2
27	CRP Binding and Transcription Activation at CRP-S Sites. <i>Journal of Molecular Biology</i> , 2008, 383, 313-323.	4.2	33
28	RNA secondary structure regulates the translation of sxy and competence development in <i>Haemophilus influenzae</i> . <i>Nucleic Acids Research</i> , 2008, 36, 10-20.	14.5	60
29	Evolution of competence and DNA uptake specificity in the Pasteurellaceae. <i>BMC Evolutionary Biology</i> , 2006, 6, 82.	3.2	130
30	Non-canonical CRP sites control competence regulons in <i>Escherichia coli</i> and many other $\beta$ -proteobacteria. <i>Nucleic Acids Research</i> , 2006, 34, 6001-6014.	14.5	87
31	Persistence and Loss of Meiotic Recombination Hotspots. <i>Genetics</i> , 2005, 169, 2319-2333.	2.9	54
32	A Novel CRP-dependent Regulon Controls Expression of Competence Genes in <i>Haemophilus influenzae</i> . <i>Journal of Molecular Biology</i> , 2005, 347, 735-747.	4.2	109
33	Evolutionary stability of DNA uptake signal sequences in the Pasteurellaceae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 4513-4518.	7.1	37
34	Transformation of <i>Haemophilus influenzae</i> . , 2003, 71, 57-70.		50
35	General Methods for Culturing <i>Haemophilus influenzae</i> . , 2003, 71, 51-56.		18
36	Natural Transformation and DNA Uptake Signal Sequences in <i>Actinobacillus actinomycetemcomitans</i> . <i>Journal of Bacteriology</i> , 2002, 184, 3442-3449.	2.2	97

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37	Is quorum sensing a side effect of diffusion sensing?. Trends in Microbiology, 2002, 10, 365-370.	7.7	483
38	Does the medium change the message? The impact of a web-based genetics course on university students' perspectives on learning and teaching. Computers and Education, 2002, 38, 267-285.	8.3	40
39	Oxymonads Are Closely Related to the Excavate Taxon Trimastix. Molecular Biology and Evolution, 2001, 18, 1034-1044.	8.9	67
40	Competence development by Haemophilus influenzae is regulated by the availability of nucleic acid precursors. Molecular Microbiology, 2001, 40, 700-707.	2.5	61
41	Do bacteria have sex?. Nature Reviews Genetics, 2001, 2, 634-639.	16.3	213
42	Point Mutations in a Peptidoglycan Biosynthesis Gene Cause Competence Induction in Haemophilus influenzae. Journal of Bacteriology, 2000, 182, 3323-3330.	2.2	16
43	The Problem of the Evolution of Sex. Biological Bulletin, 1999, 196, 404-407.	1.8	1
44	Phylogenetic Placement of Trichonympha. Journal of Eukaryotic Microbiology, 1998, 45, 445-447.	1.7	41
45	A 3â€²,5â€² Cyclic AMP (cAMP) Phosphodiesterase Modulates cAMP Levels and Optimizes Competence in <i>Haemophilus influenzae</i> Rd. Journal of Bacteriology, 1998, 180, 4401-4405.	2.2	45
46	The hotspot conversion paradox and the evolution of meiotic recombination. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 8058-8063.	7.1	177
47	The Evolution of Bacterial Transformation: Sex With Poor Relations. Genetics, 1997, 146, 27-38.	2.9	67
48	Life in mucus: sugar metabolism in Haemophilus influenzae. Research in Microbiology, 1996, 147, 541-551.	2.1	30
49	Regulation of competence development and sugar utilization in Haemophilus influenzae Rd by a phosphoenolpyruvate:fructose phosphotransferase system. Molecular Microbiology, 1996, 21, 941-952.	2.5	70
50	Cell transfer by filtration: evaluation of protocols for transformational competence. FEMS Microbiology Letters, 1996, 137, 183-187.	1.8	3
51	Digging up the roots of life. Nature, 1996, 379, 587-588.	27.8	20
52	The Haemophilus influenzae <i>sxy-1</i> mutation is in a newly identified gene essential for competence. Journal of Bacteriology, 1994, 176, 6789-6794.	2.2	39
53	Male mutation rates and the cost of sex for females. Nature, 1994, 369, 145-147.	27.8	87
54	Genes for Breakfast: The Have-Your-Cake and-Eat-It-Too of Bacterial Transformation. Journal of Heredity, 1993, 84, 400-404.	2.4	165

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55	The Haemophilus influenzae adenylate cyclase gene: cloning, sequence, and essential role in competence. <i>Journal of Bacteriology</i> , 1993, 175, 7142-7149.	2.2	58
56	sxy-1, a Haemophilus influenzae mutation causing greatly enhanced spontaneous competence. <i>Journal of Bacteriology</i> , 1991, 173, 5612-5618.	2.2	78
57	[14] Genetic systems in Haemophilus influenzae. <i>Methods in Enzymology</i> , 1991, 204, 321-342.	1.0	195
58	Bacteria mating preferences. <i>Nature</i> , 1991, 352, 25-26.	27.8	9
59	Transposon mutagenesis, characterization, and cloning of transformation genes of Haemophilus influenzae Rd. <i>Journal of Bacteriology</i> , 1989, 171, 3796-3802.	2.2	96
60	Organization of the Haemophilus influenzae Rd genome. <i>Journal of Bacteriology</i> , 1989, 171, 3016-3024.	2.2	85
61	Structure of cryptic $\lambda$ prophages. <i>Journal of Molecular Biology</i> , 1987, 198, 393-404.	4.2	22
62	Origin of Cryptic $\lambda$ Prophages in Escherichia coli K-12. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1984, 49, 199-206.	1.1	7
63	Three Histories of Competence and Transformation. , 0, , 277-289.		0