

REQUIREMENTS FOR TRANSFORMATION IN *BACILLUS*

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Citation Report

#	ARTICLE	IF	CITATIONS
1	DIFFERENTIAL DESTRUCTION OF THE TRANSFORMING ACTIVITY OF DAMAGED DEOXYRIBONUCLEIC ACID BY A BACTERIAL ENZYME. Proceedings of the National Academy of Sciences of the United States of America, 1962, 48, 1670-1675.	3.3	54
2	INDUCTION OF MUTATIONS IN TRANSFORMING DNA BY HYDROXYLAMINE. Proceedings of the National Academy of Sciences of the United States of America, 1962, 48, 1796-1803.	3.3	71
3	The Protective Effect of Spermine and Other Polyamines Against Heat Denaturation of Deoxyribonucleic Acid. Biochemistry, 1962, 1, 496-501.	1.2	235
4	Quantitative studies on the expression of a transformed character in Bacillus subtilis. Biochimica Et Biophysica Acta - Specialized Section on Nucleic Acids and Related Subjects, 1962, 61, 963-969.	1.7	2
5	A search for genetic transformation in Neurospora crassa. Biochimica Et Biophysica Acta - Specialized Section on Nucleic Acids and Related Subjects, 1962, 61, 567-572.	1.7	5
6	Trace-Metal Control of Specific Biosynthetic Processes. Perspectives in Biology and Medicine, 1962, 5, 432-445.	0.3	28
7	Overnight Incubation Technique for obtaining Transformable Bacillus subtilis Cells of Reproducible Competency. Nature, 1963, 199, 828-829.	13.7	4
8	Penetration of deoxyribonucleic acid into Hemophilus influenzae. Biochimica Et Biophysica Acta - Specialized Section on Nucleic Acids and Related Subjects, 1963, 76, 25-39.	1.7	104
9	Studies of genetic units controlling arginine biosynthesis in Bacillus subtilis. Biochimica Et Biophysica Acta - Specialized Section on Nucleic Acids and Related Subjects, 1963, 72, 69-79.	1.7	36
10	The stability of deoxyribonucleic acid in glycol solution. Biochimica Et Biophysica Acta - Specialized Section on Nucleic Acids and Related Subjects, 1963, 68, 234-239.	1.7	21
11	The relationship between gene-controlled radiation resistance and filament formation in Escherichia coli. Biochimica Et Biophysica Acta - Specialized Section on Nucleic Acids and Related Subjects, 1963, 76, 247-256.	1.7	47
12	The Induction of Alanine Dehydrogenase. Biochemistry, 1963, 2, 1212-1216.	1.2	34
13	The Rate of DNA Strand Separation. Biochemistry, 1963, 2, 707-715.	1.2	49
14	Sequential replication of DNA in synchronously germinating Bacillus subtilis spores. Biochemical and Biophysical Research Communications, 1963, 13, 67-70.	1.0	36
15	Influence of Monochromatic Ultra-violet Light on the Transformation Activity of Bacillus Subtilis. International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine, 1963, 7, 447-452.	1.0	5
16	Recovery of Deoxyribonucleic Acid from the Effects of Alkylation. Journal of General Microbiology, 1963, 30, 89-103.	2.3	36
17	The Role of DNA in RNA Synthesis. Progress in Molecular Biology and Translational Science, 1963, , 59-92.	1.9	52
18	ANALYSIS OF ULTRAVIOLET LIGHT-INDUCED MUTAGENESIS BY DNA TRANSFORMATION IN BACILLUS SUBTILIS. Proceedings of the National Academy of Sciences of the United States of America, 1963, 50, 1109-1116.	3.3	11

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19	SEQUENTIAL REPLICATION OF THE BACILLUS SUBTILIS CHROMOSOME, II. ISOTOPIC TRANSFER EXPERIMENTS. Proceedings of the National Academy of Sciences of the United States of America, 1963, 49, 806-813.	3.3	114
20	SEQUENTIAL REPLICATION OF BACILLUS SUBTILIS CHROMOSOME, I. COMPARISON OF MARKER FREQUENCIES IN EXPONENTIAL AND STATIONARY GROWTH PHASES. Proceedings of the National Academy of Sciences of the United States of America, 1963, 49, 559-566.	3.3	294
21	SEPARATION OF THE TRANSFORMING AND VIRAL DEOXYRIBONUCLEIC ACIDS OF A TRANSDUCING BACTERIOPHAGE OF BACILLUS SUBTILIS. Proceedings of the National Academy of Sciences of the United States of America, 1963, 50, 679-686.	3.3	43
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31	Saline-soluble preparations of deoxyribonucleoproteins. Archives of Biochemistry and Biophysics, 1964, 106, 505-515.	1.4	26
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35	A Deoxyribonuclease Reaction Requiring Nucleoside Di- or Triphosphates*. Biochemistry, 1964, 3, 1678-1684.	1.2	50
36	TRANSFORMATION OF STREPTOMYCIN RESISTANCE IN BORDETELLA PERTUSSIS. Acta Pathologica Et Microbiologica Scandinavica, 1964, 62, 249-254.	0.0	7

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37	THE DEVELOPMENTAL SIGNIFICANCE OF ALANINE DEHYDROGENASE IN BACILLUS SUBTILIS. Proceedings of the National Academy of Sciences of the United States of America, 1964, 51, 1164-1172.	3.3	96
38	SEQUENTIAL REPLICATION OF THE BACILLUS SUBTILIS CHROMOSOME, III. REGULATION OF INITIATION. Proceedings of the National Academy of Sciences of the United States of America, 1964, 52, 973-980.	3.3	175
39	TRANSFORMATION OF AUXOTROPHS OF <i>NEISSERIA MENINGITIDIS</i> . Acta Pathologica Et Microbiologica Scandinavica, 1965, 63, 445-455.	0.0	15
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49	Effect of some radiomimetic agents on deoxyribonucleic acid synthesis in Escherichia coli and transformation in Bacillus subtilis. Nucleic Acids and Protein Synthesis, 1965, 95, 170-173.	1.7	52
50	EVALUATION OF TRANSFORMATION IN CELL POPULATIONS CONTAINING ABERRANT CELL FORMS AND THE INHIBITION OF TRANSFORMATION BY SELECTED INHIBITORS. Canadian Journal of Microbiology, 1965, 11, 797-805.	0.8	1
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52	Comparison of ultraviolet sensitivity of Bacillus subtilis bacteriophage SPO2 and its infectious DNA. Journal of Molecular Biology, 1965, 14, 130-142.	2.0	139
53	Repair of damage induced by a monofunctional alkylating agent in a transformable, ultraviolet-sensitive strain of Bacillus subtilis. Journal of Molecular Biology, 1965, 14, 179-194.	2.0	110
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55	The carrier state of Bacillus subtilis infected with the transducing bacteriophage SP101. Virology, 1965, 25, 212-225.	1.1	87

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57	Resistance to actinomycin D and transformability in <i>B. subtilis</i> . <i>Biochemical and Biophysical Research Communications</i> , 1965, 18, 103-107.	1.0	17
58	Segregation of genetic markers and the molecular mechanism of transformation in bacteria. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1965, 2, 385-394.	0.4	1
59	An N-acetylated peptide chain in tropomyosin. <i>Biochemical and Biophysical Research Communications</i> , 1966, 23, 540-548.	1.0	10
60	Actinomycin D inhibition of UV-dark repair in <i>Bacillus subtilis</i> . <i>Biochemical and Biophysical Research Communications</i> , 1966, 24, 892-898.	1.0	15
61	Helper phage-dependent transfection in <i>Bacillus subtilis</i> . <i>Biochemical and Biophysical Research Communications</i> , 1966, 25, 260-266.	1.0	11
62	Transformation in <i>Bacillus subtilis</i> . <i>Nucleic Acids and Protein Synthesis</i> , 1966, 123, 39-55.	1.7	20
63	Transformation in <i>Bacillus subtilis</i> . <i>Nucleic Acids and Protein Synthesis</i> , 1966, 123, 56-65.	1.7	29
64	Autoradiography of the <i>Bacillus subtilis</i> chromosome. <i>Journal of Molecular Biology</i> , 1966, 15, 435-IN3.	2.0	59
65	Impaired transformability of <i>Bacillus subtilis</i> mutant sensitive to mitomycin C and ultraviolet radiation. <i>Journal of Molecular Biology</i> , 1966, 15, 440-454.	2.0	121
66	Purification and Properties of Deoxyribonucleic Acid Methylase from <i>Bacillus subtilis</i> *. <i>Biochemistry</i> , 1966, 5, 761-773.	1.2	37
67	Location of genetic loci of soluble RNA on <i>Bacillus subtilis</i> chromosome.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1966, 55, 1095-1103.	3.3	48
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70	Effects of the Diethyl Ester of Pyrocarbonic Acid on Bacteriophage and Transforming DNA. <i>Nature</i> , 1966, 209, 830-831.	13.7	27
71	Alterations in the Nucleic Acid Metabolism of Tissue Culture Cells Infected by Mycoplasmas. <i>Nature</i> , 1966, 212, 1537-1540.	13.7	34
72	VARIATION IN THE PHOTOCHEMICAL REACTIVITY OF THYMINE IN THE DNA OF <i>B. SUBTILIS</i> SPORES, VEGETATIVE CELLS AND SPORES GERMINATED IN CHLORAMPHENICOL*. <i>Photochemistry and Photobiology</i> , 1966, 5, 777-786.	1.3	66
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80	Susceptibility of newly transformed Bacillus subtilis to physical forces existing on the surface of solid media. Nucleic Acids and Protein Synthesis, 1967, 145, 172-173.	1.7	0
81	Studies on the loss and the restoration of the transforming activity of the deoxyribonucleic acid of Bacillus subtilis. Nucleic Acids and Protein Synthesis, 1967, 149, 199-219.	1.7	33
82	A heat-labile inhibitor of deoxyribonucleic acid degradation in Bacillus subtilis. Biochemical and Biophysical Research Communications, 1967, 29, 143-147.	1.0	14
83	A deoxyribonuclease activity specific for ultraviolet-irradiated DNA: A chromatographic analysis. Biochemical and Biophysical Research Communications, 1967, 27, 217-223.	1.0	25
84	Transfection enhancement by ultraviolet irradiation. Biochemical and Biophysical Research Communications, 1967, 27, 258-262.	1.0	23
85	Genetic mapping in Bacillus subtilis. Journal of Molecular Biology, 1967, 27, 163-185.	2.0	304
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99	An autoradiographic study of genetic transformation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1968, 60, 1216-1222.	3.3	48
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102	[167] Procedures for <i>Bacillus subtilis</i> transformation. <i>Methods in Enzymology</i> , 1968, 12, 846-850.	0.4	6
103	Bacteriophages of <i>Clostridium saccharoperbutylacetonicum</i> . <i>Agricultural and Biological Chemistry</i> , 1968, 32, 1401-1408.	0.3	1
104	Acquisition of Thymidylate Synthetase Activity by a Thymine-requiring Mutant of <i>Bacillus subtilis</i> following Infection by the Temperate Phage λ 3. <i>Journal of General Virology</i> , 1969, 4, 489-504.	1.3	59
105	The inactivation of <i>Bacillus subtilis</i> transforming DNA by mutagenic agents. <i>Folia Microbiologica</i> , 1969, 14, 51-53.	1.1	2
106	The effect of UV light and mitomycin C on the transfection of <i>Bacillus subtilis</i> 168 λ 3. <i>Folia Microbiologica</i> , 1969, 14, 190-193.	1.1	3
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108	Biochemical genetics of bacterial sporulation. <i>Molecular Genetics and Genomics</i> , 1969, 104, 73-103.	2.4	72
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112	Some properties of DNA in competent <i>Bacillus subtilis</i> . <i>Journal of Molecular Biology</i> , 1969, 39, 245-255.	2.0	35
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116	Analysis of an apparent case of "gene-controlled mutational stability": The auxotrophic preemption of a specific growth requirement. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1969, 7, 287-295.	0.4	10
117	[24] l-malate dehydrogenase from <i>Bacillus subtilis</i> . <i>Methods in Enzymology</i> , 1969, 13, 141-145.	0.4	27
118	[2] Experimental methods for <i>Bacillus subtilis</i> . <i>Methods in Enzymology</i> , 1970, 17, 36-59.	0.4	14
119	Genetic properties of a membrane-bound fraction of DNA in the culture of <i>Bacillus subtilis</i> with synchronously replicating chromosomes. <i>Folia Microbiologica</i> , 1970, 15, 73-75.	1.1	1
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123	Isolation and genetic analysis of temperature-sensitive mutants of <i>B. subtilis</i> defective in DNA synthesis. <i>Molecular Genetics and Genomics</i> , 1970, 108, 277-287.	2.4	226
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127	Bacterial Flagella: Polarity of Elongation. <i>Science</i> , 1970, 169, 190-192.	6.0	164
128	[11] l-Alanine dehydrogenase (<i>Bacillus subtilis</i>). <i>Methods in Enzymology</i> , 1970, 17, 176-181.	0.4	26
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130	Sequential loss of loci in thymine-starved <i>Bacillus subtilis</i> 168 cells. <i>Journal of Molecular Biology</i> , 1970, 50, 525-532.	2.0	27
131	Chromosomal location of antibiotic resistance markers in <i>Bacillus subtilis</i> . <i>Journal of Molecular Biology</i> , 1970, 51, 267-286.	2.0	125
132	A procedure for gene purification: The purification of the ribosomal RNA genes of <i>Bacillus subtilis</i> as DNA-RNA hybrids. <i>Journal of Molecular Biology</i> , 1970, 51, 657-669.	2.0	18
133	Membrane synthesis in <i>Bacillus subtilis</i> . <i>Journal of Molecular Biology</i> , 1970, 49, 415-432.	2.0	113
134	Biological activity of ϕ X174 replicative form DNA fragments. <i>Nucleic Acids and Protein Synthesis</i> , 1970, 224, 328-338.	1.7	31
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138	Membrane synthesis in <i>Bacillus subtilis</i> . <i>Journal of Molecular Biology</i> , 1970, 49, 433-439.	2.0	113
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140	Gene expression during outgrowth of <i>Bacillus subtilis</i> spores. <i>Journal of Molecular Biology</i> , 1971, 60, 31-44.	2.0	70
141	Temperature-sensitive mutants of bacteriophage ϕ 29. <i>Virology</i> , 1971, 46, 586-595.	1.1	61
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146	Fate of transforming DNA following uptake by competent <i>Bacillus subtilis</i> . <i>Journal of Molecular Biology</i> , 1971, 56, 209-221.	2.0	493
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149	Fate of Transforming DNA After Uptake by Competent <i>Bacillus subtilis</i> : Failure of Donor DNA to Replicate in a Recombination-Deficient Recipient. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1971, 68, 1070-1074.	3.3	26
150	Phenotypic reversion in some early blocked sporulation mutants of <i>Bacillus subtilis</i> . <i>Molecular Genetics and Genomics</i> , 1971, 112, 243-254.	2.4	36
151	Structural features of DNA in competent <i>Bacillus subtilis</i> . <i>Molecular Genetics and Genomics</i> , 1971, 113, 316-330.	2.4	34
152	Excision of Pyrimidine Dimers from Ultraviolet-Irradiated DNA by Exonucleases from Mammalian Cells. <i>FEBS Journal</i> , 1971, 18, 407-414.	0.2	51
153	Genetic Transformation in <i>Bacillus</i> with Respect to Antibiotic Production. <i>Journal of Applied Bacteriology</i> , 1971, 34, 277-285.	1.1	2
154	Transformation in <i>Streptomyces</i> with Respect to Antibiotic Production. <i>Journal of Applied Bacteriology</i> , 1971, 34, 287-293.	1.1	5
155	Autoradiographic Estimation of Competence and the Relationship between Competence and Transformability in Cultures of <i>Bacillus subtilis</i> . <i>Journal of General Microbiology</i> , 1971, 69, 239-252.	2.3	17
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