

# Abraham L Sonenshein

## List of Publications by Year in Descending Order

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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.

198 papers	9,099 citations	54 h-index	87 g-index
200 ext. papers	10,293 ext. citations	6.1 avg, IF	6.28 L-index

#	Paper	IF	Citations
198	In Vivo commensal control of <i>Clostridioides difficile</i> virulence. <i>Cell Host and Microbe</i> , <b>2021</b> , 29, 1693-1708, 2021	3.7	14
197	Genome-wide identification of <i>Listeria monocytogenes</i> CodY-binding sites. <i>Molecular Microbiology</i> , <b>2020</b> , 113, 841-858	4.1	4
196	Role of GlnR in Controlling Expression of Nitrogen Metabolism Genes in. <i>Journal of Bacteriology</i> , <b>2020</b> , 202,	3.5	1
195	Impact of CodY protein on metabolism, sporulation and virulence in <i>Clostridioides difficile</i> ribotype 027. <i>PLoS ONE</i> , <b>2019</b> , 14, e0206896	3.7	13
194	Role of the global regulator Rex in control of NAD <sup>+</sup> -regeneration in <i>Clostridioides</i> ( <i>Clostridium</i> ) <i>difficile</i> . <i>Molecular Microbiology</i> , <b>2019</b> , 111, 1671-1688	4.1	15
193	DdlR, an essential transcriptional regulator of peptidoglycan biosynthesis in <i>Clostridioides difficile</i> . <i>Molecular Microbiology</i> , <b>2019</b> , 112, 1453-1470	4.1	1
192	Oral Immunization with Nontoxigenic <i>Clostridium difficile</i> Strains Expressing Chimeric Fragments of TcdA and TcdB Elicits Protective Immunity against <i>C. difficile</i> Infection in Both Mice and Hamsters. <i>Infection and Immunity</i> , <b>2018</b> , 86,	3.7	6
191	A Mutation in the <i>Bacillus subtilis</i> rsbU Gene That Limits RNA Synthesis during Sporulation. <i>Journal of Bacteriology</i> , <b>2017</b> , 199,	3.5	3
190	Structure of the Branched-chain Amino Acid and GTP-sensing Global Regulator, CodY, from. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 2714-2728	5.4	21
189	Interplay of CodY and ScoC in the Regulation of Major Extracellular Protease Genes of <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , <b>2016</b> , 198, 907-20	3.5	26
188	CodY regulates expression of the <i>Bacillus subtilis</i> extracellular proteases Vpr and Mpr. <i>Journal of Bacteriology</i> , <b>2015</b> , 197, 1423-32	3.5	14
187	Effects of surotomycin on <i>Clostridium difficile</i> viability and toxin production in vitro. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2015</b> , 59, 4199-205	5.9	22
186	Three cellulosomal xylanase genes in <i>Clostridium thermocellum</i> are regulated by both vegetative SigA (T <sub>1</sub> A) and alternative SigL6 (T <sub>1</sub> 6) factors. <i>FEBS Letters</i> , <b>2015</b> , 589, 3133-40	3.8	14
185	Integration of metabolism and virulence in <i>Clostridium difficile</i> . <i>Research in Microbiology</i> , <b>2015</b> , 166, 375-83	4.3	74
184	Interactive regulation by the <i>Bacillus subtilis</i> global regulators CodY and ScoC. <i>Molecular Microbiology</i> , <b>2015</b> , 97, 698-716	4.1	15
183	Regulating the Intersection of Metabolism and Pathogenesis in Gram-positive Bacteria. <i>Microbiology Spectrum</i> , <b>2015</b> , 3,	8.9	68
182	Regulating the Intersection of Metabolism and Pathogenesis in Gram-positive Bacteria <b>2015</b> , 129-165		2

181	Intermediate Levels of <i>Bacillus subtilis</i> CodY Activity Are Required for Derepression of the Branched-Chain Amino Acid Permease, BraB. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005600	6	13
180	The metabolic regulator CodY links <i>Listeria monocytogenes</i> metabolism to virulence by directly activating the virulence regulatory gene <i>prfA</i> . <i>Molecular Microbiology</i> , <b>2015</b> , 95, 624-44	4.1	56
179	CodY-mediated regulation of the <i>Staphylococcus aureus</i> Agr system integrates nutritional and population density signals. <i>Journal of Bacteriology</i> , <b>2014</b> , 196, 1184-96	3.5	52
178	Multiple regulatory mechanisms control the expression of the <i>Geobacillus stearothermophilus</i> gene for extracellular xylanase. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 25957-75	5.4	22
177	GTP dysregulation in <i>Bacillus subtilis</i> cells lacking (p)ppGpp results in phenotypic amino acid auxotrophy and failure to adapt to nutrient downshift and regulate biosynthesis genes. <i>Journal of Bacteriology</i> , <b>2014</b> , 196, 189-201	3.5	67
176	Biosynthesis of Riboflavin, Biotin, Folic Acid, and Cobalamin <b>2014</b> , 319-334		15
175	Systematics and Ecology of <i>Bacillus</i> <b>2014</b> , 1-16		70
174	<i>Lactococcus</i> and <i>Lactobacillus</i> <b>2014</b> , 65-82		10
173	Spore Germination and Outgrowth <b>2014</b> , 537-548		73
172	Purine and Pyrimidine Salvage Pathways <b>2014</b> , 359-378		27
171	Integrational Vectors for Genetic Manipulation in <i>Bacillus subtilis</i> <b>2014</b> , 615-624		119
170	Synthesis of Serine, Glycine, Cysteine, and Methionine <b>2014</b> , 245-254		24
169	The <i>Bacillus subtilis</i> Genome, Genes, and Functions <b>2014</b> , 7-11		
168	The Dynamic Architecture of the <i>Bacillus</i> Cell <b>2014</b> , 13-20		3
167	Structure and Synthesis of Cell Wall, Spore Cortex, Teichoic Acids, S-Layers, and Capsules <b>2014</b> , 21-41		55
166	Commercial Production of Extracellular Enzymes <b>2014</b> , 917-937		37
165	Proteins of the Spore Core and Coat <b>2014</b> , 527-535		42
164	Biosynthesis of Aromatic Amino Acids <b>2014</b> , 269-280		12

163	Fermentation of <i>Bacillus</i> <b>2014</b> , 869-895	8
162	RNA Polymerase and Sigma Factors <b>2014</b> , 287-312	72
161	DNA Repair Systems <b>2014</b> , 529-537	34
160	Endospore-Forming Bacteria: an Overview <b>2014</b> , 131-150	9
159	Biosynthesis of the Branched-Chain Amino Acids <b>2014</b> , 307-317	14
158	Peptide Antibiotics <b>2014</b> , 897-916	40
157	Biosynthesis of Glutamine and Glutamate and the Assimilation of Ammonia <b>2014</b> , 281-298	29
156	Transformation and Recombination <b>2014</b> , 453-471	26
155	<i>Bacillus anthracis</i> <b>2014</b> , 113-124	35
154	Carbohydrate Catabolism: Pathways, Enzymes, Genetic Regulation, and Evolution <b>2014</b> , 157-170	25
153	The Genetic Map of <i>Bacillus megaterium</i> <b>2014</b> , 475-481	4
152	Carbon Source-Mediated Catabolite Repression <b>2014</b> , 213-219	37
151	General View of the <i>Bacillus subtilis</i> Chromosome <b>2014</b> , 552-569	
150	Overall Transport Capabilities of <i>Bacillus subtilis</i> <b>2014</b> , 111-128	6
149	Cell Division during Growth and Sporulation <b>2014</b> , 97-109	7
148	Conjugative Transposons <b>2014</b> , 597-614	25
147	Functional Classification of the <i>Bacillus subtilis</i> Protein-Encoding Genes <b>2014</b> , 570-615	
146	Carbohydrate Uptake and Metabolism <b>2014</b> , 129-150	64

145	Hierarchical expression of genes controlled by the <i>Bacillus subtilis</i> global regulatory protein CodY. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 8227-32	11.5	64
144	Carvacrol and trans-cinnamaldehyde reduce <i>Clostridium difficile</i> toxin production and cytotoxicity in vitro. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 4415-30	6.3	38
143	Use of a mariner-based transposon mutagenesis system to isolate <i>Clostridium perfringens</i> mutants deficient in gliding motility. <i>Journal of Bacteriology</i> , <b>2013</b> , 195, 629-36	3.5	30
142	Fidaxomicin inhibits toxin production in <i>Clostridium difficile</i> . <i>Journal of Antimicrobial Chemotherapy</i> , <b>2013</b> , 68, 515-22	5.1	54
141	Genome-wide identification of <i>Bacillus subtilis</i> CodY-binding sites at single-nucleotide resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 7026-31	11.5	70
140	Dual role of CcpC protein in regulation of aconitase gene expression in <i>Listeria monocytogenes</i> and <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , <b>2013</b> , 159, 68-76	2.9	12
139	Two roles for aconitase in the regulation of tricarboxylic acid branch gene expression in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , <b>2013</b> , 195, 1525-37	3.5	20
138	Proline-dependent regulation of <i>Clostridium difficile</i> Stickland metabolism. <i>Journal of Bacteriology</i> , <b>2013</b> , 195, 844-54	3.5	88
137	Comment on the Howy JacobsSEditorial "Yes we can, but do we?". <i>EMBO Reports</i> , <b>2013</b> , 14, 1027	6.5	
136	CodY deletion enhances in vivo virulence of community-associated methicillin-resistant <i>Staphylococcus aureus</i> clone USA300. <i>Infection and Immunity</i> , <b>2012</b> , 80, 2382-9	3.7	47
135	Fidaxomicin inhibits spore production in <i>Clostridium difficile</i> . <i>Clinical Infectious Diseases</i> , <b>2012</b> , 55 Suppl 2, S162-9	11.6	88
134	Proline utilization by <i>Bacillus subtilis</i> : uptake and catabolism. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 745-58	3.5	49
133	Roadblock repression of transcription by <i>Bacillus subtilis</i> CodY. <i>Journal of Molecular Biology</i> , <b>2011</b> , 411, 729-43	6.5	53
132	Dissecting complex metabolic integration provides direct genetic evidence for CodY activation by guanine nucleotides. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 5637-48	3.5	26
131	Contributions of multiple binding sites and effector-independent binding to CodY-mediated regulation in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 473-84	3.5	33
130	CodY-mediated regulation of guanosine uptake in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 6276-87	3.5	13
129	The <i>dlt</i> operon confers resistance to cationic antimicrobial peptides in <i>Clostridium difficile</i> . <i>Microbiology (United Kingdom)</i> , <b>2011</b> , 157, 1457-1465	2.9	108
128	Identification of a genetic locus responsible for antimicrobial peptide resistance in <i>Clostridium difficile</i> . <i>Infection and Immunity</i> , <b>2011</b> , 79, 167-76	3.7	87

127	Integration of metabolism and virulence by <i>Clostridium difficile</i> CodY. <i>Journal of Bacteriology</i> , <b>2010</b> , 192, 5350-62	3.5	134
126	Inhibiting the initiation of <i>Clostridium difficile</i> spore germination using analogs of chenodeoxycholic acid, a bile acid. <i>Journal of Bacteriology</i> , <b>2010</b> , 192, 4983-90	3.5	216
125	Direct targets of CodY in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , <b>2010</b> , 192, 2861-77	3.5	148
124	Regulation of CodY activity through modulation of intracellular branched-chain amino acid pools. <i>Journal of Bacteriology</i> , <b>2010</b> , 192, 6357-68	3.5	51
123	CcpC-dependent regulation of citrate synthase gene expression in <i>Listeria monocytogenes</i> . <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 862-72	3.5	6
122	The global regulator CodY regulates toxin gene expression in <i>Bacillus anthracis</i> and is required for full virulence. <i>Infection and Immunity</i> , <b>2009</b> , 77, 4437-45	3.7	70
121	Chenodeoxycholate is an inhibitor of <i>Clostridium difficile</i> spore germination. <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 1115-7	3.5	141
120	Genetic and biochemical analysis of the interaction of <i>Bacillus subtilis</i> CodY with branched-chain amino acids. <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 6865-76	3.5	36
119	Structural rearrangement accompanying ligand binding in the GAF domain of CodY from <i>Bacillus subtilis</i> . <i>Journal of Molecular Biology</i> , <b>2009</b> , 390, 1007-18	6.5	32
118	Control of nitrogen metabolism by <i>Bacillus subtilis</i> glutamine synthetase. <i>Molecular Microbiology</i> , <b>2008</b> , 68, 242-245	4.1	5
117	Genetic and biochemical analysis of CodY-binding sites in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 1224-36	3.5	76
116	Bile salts and glycine as cogerminants for <i>Clostridium difficile</i> spores. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 2505-12	3.5	445
115	Interaction of <i>Bacillus subtilis</i> CodY with GTP. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 798-806	3.5	86
114	<i>Staphylococcus aureus</i> CodY negatively regulates virulence gene expression. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 2257-65	3.5	137
113	Control of key metabolic intersections in <i>Bacillus subtilis</i> . <i>Nature Reviews Microbiology</i> , <b>2007</b> , 5, 917-27	22.2	291
112	Characterization of <i>relA</i> and <i>codY</i> mutants of <i>Listeria monocytogenes</i> : identification of the CodY regulon and its role in virulence. <i>Molecular Microbiology</i> , <b>2007</b> , 63, 1453-67	4.1	128
111	Repression of <i>Clostridium difficile</i> toxin gene expression by CodY. <i>Molecular Microbiology</i> , <b>2007</b> , 66, 2064-19	4.1	175
110	Molecular mechanism of the regulation of <i>Bacillus subtilis</i> <i>gltAB</i> expression by <i>GltC</i> . <i>Journal of Molecular Biology</i> , <b>2007</b> , 365, 1298-313	6.5	59

109	CcpC-dependent regulation of citB and lmo0847 in <i>Listeria monocytogenes</i> . <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 179-90	3.5	21
108	<i>Bacillus subtilis</i> aconitase is required for efficient late-sporulation gene expression. <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 6396-405	3.5	45
107	The structure of CodY, a GTP- and isoleucine-responsive regulator of stationary phase and virulence in gram-positive bacteria. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 11366-73	5.4	78
106	Positive regulation of <i>Bacillus subtilis</i> ackA by CodY and CcpA: establishing a potential hierarchy in carbon flow. <i>Molecular Microbiology</i> , <b>2006</b> , 62, 811-22	4.1	82
105	CodY, a global regulator of stationary phase and virulence in Gram-positive bacteria. <i>Current Opinion in Microbiology</i> , <b>2005</b> , 8, 203-7	7.9	267
104	<i>Bacillus subtilis</i> ilvB operon: an intersection of global regulons. <i>Molecular Microbiology</i> , <b>2005</b> , 56, 1549-59	4.1	67
103	A region of <i>Bacillus subtilis</i> CodY protein required for interaction with DNA. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 4127-39	3.5	40
102	CcpA-dependent regulation of <i>Bacillus subtilis</i> glutamate dehydrogenase gene expression. <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 3392-8	3.5	45
101	Modulation of activity of <i>Bacillus subtilis</i> regulatory proteins GltC and TnrA by glutamate dehydrogenase. <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 3399-407	3.5	36
100	Activation of the <i>Bacillus subtilis</i> global regulator CodY by direct interaction with branched-chain amino acids. <i>Molecular Microbiology</i> , <b>2004</b> , 53, 599-611	4.1	175
99	Complex regulation of the <i>Bacillus subtilis</i> aconitase gene. <i>Journal of Bacteriology</i> , <b>2003</b> , 185, 1672-80	3.5	47
98	Efficient sporulation in <i>Clostridium difficile</i> requires disruption of the sigmaK gene. <i>Molecular Microbiology</i> , <b>2003</b> , 48, 811-21	4.1	104
97	Mechanism of repression by <i>Bacillus subtilis</i> CcpC, a LysR family regulator. <i>Journal of Molecular Biology</i> , <b>2003</b> , 334, 609-24	6.5	31
96	Specificity of the interaction of RocR with the rocG-rocA intergenic region in <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , <b>2003</b> , 149, 739-750	2.9	14
95	Additional targets of the <i>Bacillus subtilis</i> global regulator CodY identified by chromatin immunoprecipitation and genome-wide transcript analysis. <i>Journal of Bacteriology</i> , <b>2003</b> , 185, 1911-22	3.5	233
94	Developmental biology: regulation by selective gene localization. <i>Current Biology</i> , <b>2002</b> , 12, R90-2	6.3	2
93	Regulation of the <i>Bacillus subtilis</i> ccpC gene by ccpA and ccpC. <i>Molecular Microbiology</i> , <b>2002</b> , 43, 399-410	4.1	28
92	Direct and indirect roles of CcpA in regulation of <i>Bacillus subtilis</i> Krebs cycle genes. <i>Molecular Microbiology</i> , <b>2002</b> , 45, 179-90	4.1	62

91	Environmental response and autoregulation of <i>Clostridium difficile</i> TxeR, a sigma factor for toxin gene expression. <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 5971-8	3.5	104
90	Molecular biology. Turning gene regulation on its head. <i>Science</i> , <b>2001</b> , 293, 2018-9	33.3	5
89	<i>Bacillus subtilis</i> CodY represses early-stationary-phase genes by sensing GTP levels. <i>Genes and Development</i> , <b>2001</b> , 15, 1093-103	12.6	268
88	Role of TnrA in nitrogen source-dependent repression of <i>Bacillus subtilis</i> glutamate synthase gene expression. <i>Journal of Bacteriology</i> , <b>2000</b> , 182, 5939-47	3.5	73
87	CcpC, a novel regulator of the LysR family required for glucose repression of the citB gene in <i>Bacillus subtilis</i> . <i>Journal of Molecular Biology</i> , <b>2000</b> , 295, 865-78	6.5	92
86	Metabolic imbalance and sporulation in an isocitrate dehydrogenase mutant of <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , <b>1999</b> , 181, 3382-91	3.5	33
85	Regulated transcription of <i>Clostridium difficile</i> toxin genes. <i>Molecular Microbiology</i> , <b>1998</b> , 27, 107-20	4.1	217
84	Role and regulation of <i>Bacillus subtilis</i> glutamate dehydrogenase genes. <i>Journal of Bacteriology</i> , <b>1998</b> , 180, 6298-305	3.5	124
83	Interaction of CodY, a novel <i>Bacillus subtilis</i> DNA-binding protein, with the dpp promoter region. <i>Molecular Microbiology</i> , <b>1996</b> , 20, 843-52	4.1	65
82	A gene required for nutritional repression of the <i>Bacillus subtilis</i> dipeptide permease operon. <i>Molecular Microbiology</i> , <b>1995</b> , 15, 689-702	4.1	145
81	Mechanism of initiation of transcription by <i>Bacillus subtilis</i> RNA polymerase at several promoters. <i>Journal of Molecular Biology</i> , <b>1992</b> , 223, 399-414	6.5	69
80	Regulation of <i>Bacillus subtilis</i> glutamine synthetase gene expression by the product of the glnR gene. <i>Journal of Molecular Biology</i> , <b>1989</b> , 210, 51-63	6.5	107
79	Glutamine synthetase gene of <i>Bacillus subtilis</i> . <i>Gene</i> , <b>1984</b> , 32, 427-38	3.8	53
78	Initiation of transcription in vitro inhibited by lipiarmycin. <i>Journal of Molecular Biology</i> , <b>1979</b> , 127, 55-72	6.5	36
77	Isolation and characterization of rifampin-resistant and streptolydigin-resistant mutants of <i>Bacillus subtilis</i> with altered sporulation properties. <i>Journal of Bacteriology</i> , <b>1974</b> , 120, 253-65	3.5	118
76	RNA polymerase mutants blocked in sporulation. <i>Nature</i> , <b>1970</b> , 227, 906-9	50.4	80
75	Change in the template specificity of RNA polymerase during sporulation of <i>Bacillus subtilis</i> . <i>Nature</i> , <b>1969</b> , 224, 35-7	50.4	185
74	The course of phage phi-e infection in sporulating cells of <i>Bacillus subtilis</i> strain 3610. <i>Virology</i> , <b>1969</b> , 39, 265-75	3.6	100

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