

# Stanley Falkow

## List of Publications by Citations

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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.

80  
papers

15,997  
citations

50  
h-index

81  
g-index

81  
ext. papers

17,095  
ext. citations

16.8  
avg, IF

6.34  
L-index

#	Paper	IF	Citations
80	FACS-optimized mutants of the green fluorescent protein (GFP). <i>Gene</i> , <b>1996</b> , 173, 33-8	3.8	2514
79	Identification of the uncultured bacillus of Whipple's disease. <i>New England Journal of Medicine</i> , <b>1992</b> , 327, 293-301	59.2	989
78	The agent of bacillary angiomatosis. An approach to the identification of uncultured pathogens. <i>New England Journal of Medicine</i> , <b>1990</b> , 323, 1573-80	59.2	799
77	General method for the isolation of plasmid deoxyribonucleic acid. <i>Journal of Bacteriology</i> , <b>1973</b> , 116, 1064-6	3.5	657
76	Disruption of the epithelial apical-junctional complex by <i>Helicobacter pylori</i> CagA. <i>Science</i> , <b>2003</b> , 300, 1430-4	33.3	598
75	Identification of invasins: a protein that allows enteric bacteria to penetrate cultured mammalian cells. <i>Cell</i> , <b>1987</b> , 50, 769-78	56.2	535
74	Extraintestinal dissemination of <i>Salmonella</i> by CD18-expressing phagocytes. <i>Nature</i> , <b>1999</b> , 401, 804-8	50.4	532
73	Fluorescence-based isolation of bacterial genes expressed within host cells. <i>Science</i> , <b>1997</b> , 277, 2007-11	33.3	524
72	Yeast-enhanced green fluorescent protein (yEGFP): a reporter of gene expression in <i>Candida albicans</i> . <i>Microbiology (United Kingdom)</i> , <b>1997</b> , 143 ( Pt 2), 303-311	2.9	501
71	Macrophage-dependent induction of the <i>Salmonella</i> pathogenicity island 2 type III secretion system and its role in intracellular survival. <i>Molecular Microbiology</i> , <b>1998</b> , 30, 175-88	4.1	500
70	A single genetic locus encoded by <i>Yersinia pseudotuberculosis</i> permits invasion of cultured animal cells by <i>Escherichia coli</i> K-12. <i>Nature</i> , <b>1985</b> , 317, 262-4	50.4	472
69	Persistent bacterial infections: the interface of the pathogen and the host immune system. <i>Nature Reviews Microbiology</i> , <b>2004</b> , 2, 747-65	22.2	392
68	Ruffles induced by <i>Salmonella</i> and other stimuli direct macropinocytosis of bacteria. <i>Nature</i> , <b>1993</b> , 364, 639-42	50.4	383
67	Bacterial genetics by flow cytometry: rapid isolation of <i>Salmonella typhimurium</i> acid-inducible promoters by differential fluorescence induction. <i>Molecular Microbiology</i> , <b>1996</b> , 22, 367-78	4.1	373
66	Granuloma-specific expression of <i>Mycobacterium</i> virulence proteins from the glycine-rich PE-PGRS family. <i>Science</i> , <b>2000</b> , 288, 1436-9	33.3	355
65	Salmonellosis: host immune responses and bacterial virulence determinants. <i>Annual Review of Immunology</i> , <b>1996</b> , 14, 533-61	34.7	330
64	Amino acid sequence homology between cholera toxin and <i>Escherichia coli</i> heat-labile toxin. <i>Nature</i> , <b>1980</b> , 288, 499-501	50.4	308

63	Salmonella typhimurium persists within macrophages in the mesenteric lymph nodes of chronically infected Nramp1+/+ mice and can be reactivated by IFN $\gamma$ neutralization. <i>Journal of Experimental Medicine</i> , <b>2004</b> , 199, 231-41	16.6	305
62	Haemolysin contributes to virulence of extra-intestinal E. coli infections. <i>Nature</i> , <b>1981</b> , 294, 665-7	50.4	298
61	OmpR regulates the two-component system SsrA-ssrB in Salmonella pathogenicity island 2. <i>Journal of Bacteriology</i> , <b>2000</b> , 182, 771-81	3.5	252
60	Applications for green fluorescent protein (GFP) in the study of host-pathogen interactions. <i>Gene</i> , <b>1996</b> , 173, 47-52	3.8	238
59	Molecular nature of two nonconjugative plasmids carrying drug resistance genes. <i>Journal of Bacteriology</i> , <b>1974</b> , 117, 619-30	3.5	207
58	Salmonella exploits caspase-1 to colonize Peyer's patches in a murine typhoid model. <i>Journal of Experimental Medicine</i> , <b>2000</b> , 192, 249-58	16.6	189
57	Molecular Koch's postulates applied to bacterial pathogenicity--a personal recollection 15 years later. <i>Nature Reviews Microbiology</i> , <b>2004</b> , 2, 67-72	22.2	186
56	Cag pathogenicity island-specific responses of gastric epithelial cells to Helicobacter pylori infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 15136-41	11.5	182
55	Microbial pathogenesis: genomics and beyond. <i>Science</i> , <b>1997</b> , 276, 707-12	33.3	150
54	Functional analysis of ssaJ and the ssaK/U operon, 13 genes encoding components of the type III secretion apparatus of Salmonella Pathogenicity Island 2. <i>Molecular Microbiology</i> , <b>1997</b> , 24, 155-67	4.1	149
53	A Haemophilus influenzae IgA protease-like protein promotes intimate interaction with human epithelial cells. <i>Molecular Microbiology</i> , <b>1994</b> , 14, 217-33	4.1	145
52	Identification of the protein encoded by the transposable element Tn3 which is required for its transposition. <i>Nature</i> , <b>1979</b> , 282, 797-801	50.4	141
51	Efficient homologous and illegitimate recombination in the opportunistic yeast pathogen Candida glabrata. <i>Genetics</i> , <b>1999</b> , 151, 979-87	4	132
50	virK, somA and rcsC are important for systemic Salmonella enterica serovar Typhimurium infection and cationic peptide resistance. <i>Molecular Microbiology</i> , <b>2003</b> , 48, 385-400	4.1	127
49	Plasmid-mediated beta-lactamase production in Neisseria gonorrhoeae. <i>Antimicrobial Agents and Chemotherapy</i> , <b>1977</b> , 11, 528-33	5.9	122
48	Suppression of T and B lymphocyte activation by a Yersinia pseudotuberculosis virulence factor, yopH. <i>Journal of Experimental Medicine</i> , <b>1999</b> , 190, 1343-50	16.6	121
47	Identification of attenuated Yersinia pseudotuberculosis strains and characterization of an orogastric infection in BALB/c mice on day 5 postinfection by signature-tagged mutagenesis. <i>Infection and Immunity</i> , <b>2001</b> , 69, 2779-87	3.7	106
46	Salmonella pathogenicity island 2-dependent macrophage death is mediated in part by the host cysteine protease caspase-1. <i>Cellular Microbiology</i> , <b>2001</b> , 3, 825-37	3.9	99

45	Salmonella-induced macrophage death: the role of caspase-1 in death and inflammation. <i>Microbes and Infection</i> , <b>2001</b> , 3, 1201-12	9.3	97
44	The Salmonella-containing vacuole is a major site of intracellular cholesterol accumulation and recruits the GPI-anchored protein CD55. <i>Cellular Microbiology</i> , <b>2002</b> , 4, 315-28	3.9	81
43	Microarray-based detection of Salmonella enterica serovar Typhimurium transposon mutants that cannot survive in macrophages and mice. <i>Infection and Immunity</i> , <b>2005</b> , 73, 5438-49	3.7	79
42	Specific labeling and physical characterization of R-factor deoxyribonucleic acid in Escherichia coli. <i>Journal of Bacteriology</i> , <b>1970</b> , 104, 331-9	3.5	73
41	The molecular nature of heat-labile enterotoxin (LT) of escherichia coli. <i>Nature</i> , <b>1979</b> , 277, 406-7	50.4	72
40	Phosphorylation-independent effects of CagA during interaction between Helicobacter pylori and T84 polarized monolayers. <i>Journal of Infectious Diseases</i> , <b>2004</b> , 190, 1516-23	7	66
39	mig-14 is a Salmonella gene that plays a role in bacterial resistance to antimicrobial peptides. <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 3203-13	3.5	64
38	The Yersinia Yops inhibit invasion of Listeria, Shigella and Edwardsiella but not Salmonella into epithelial cells. <i>Molecular Microbiology</i> , <b>1998</b> , 28, 1269-81	4.1	63
37	Two replication initiation sites on R-plasmid DNA. <i>Molecular Genetics and Genomics</i> , <b>1975</b> , 140, 39-50		62
36	Characterization of plasmid deoxyribonucleic acid from Neisseria gonorrhoeae. <i>Infection and Immunity</i> , <b>1974</b> , 10, 712-7	3.7	62
35	The Campylobacter jejuni dccRS two-component system is required for optimal in vivo colonization but is dispensable for in vitro growth. <i>Molecular Microbiology</i> , <b>2004</b> , 54, 1269-86	4.1	59
34	Breaking into the epithelial apical-junctional complex--news from pathogen hackers. <i>Current Opinion in Cell Biology</i> , <b>2004</b> , 16, 86-93	9	58
33	Mig-14 is an inner membrane-associated protein that promotes Salmonella typhimurium resistance to CRAMP, survival within activated macrophages and persistent infection. <i>Molecular Microbiology</i> , <b>2005</b> , 55, 954-72	4.1	57
32	Detection of Chlamydia trachomatis in tissue culture and cervical scrapings by in situ DNA hybridization. <i>Journal of Infectious Diseases</i> , <b>1986</b> , 153, 1155-9	7	52
31	Modulation of virulence by two acidified nitrite-responsive loci of Salmonella enterica serovar Typhimurium. <i>Infection and Immunity</i> , <b>2003</b> , 71, 3196-205	3.7	48
30	The problems of drug-resistant pathogenic bacteria. The replication of R-factor DNA in Escherichia coli K-12 following conjugation. <i>Annals of the New York Academy of Sciences</i> , <b>1971</b> , 182, 153-71	6.5	48
29	Is persistent bacterial infection good for your health?. <i>Cell</i> , <b>2006</b> , 124, 699-702	56.2	45
28	Delineation of upstream signaling events in the salmonella pathogenicity island 2 transcriptional activation pathway. <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 4694-704	3.5	43

27	Flow cytometry and bacterial pathogenesis. <i>Current Opinion in Microbiology</i> , <b>1998</b> , 1, 359-63	7.9	40
26	Apoptosis as a common bacterial virulence strategy. <i>International Journal of Medical Microbiology</i> , <b>2000</b> , 290, 7-13	3.7	33
25	Constitutive and inducible green fluorescent protein expression in <i>Bartonella henselae</i> . <i>Infection and Immunity</i> , <b>1998</b> , 66, 3964-7	3.7	33
24	Passage of <i>Salmonella</i> through polarized epithelial cells: role of the host and bacterium. <i>Journal of Cell Science</i> , <b>1989</b> , 11, 99-107	5.3	32
23	mig-14 is a horizontally acquired, host-induced gene required for <i>salmonella enterica</i> lethal infection in the murine model of typhoid fever. <i>Infection and Immunity</i> , <b>2000</b> , 68, 7126-31	3.7	29
22	New approaches for validation of lethal phenotypes and genetic reversion in <i>Helicobacter pylori</i> . <i>Helicobacter</i> , <b>2001</b> , 6, 15-23	4.9	27
21	The role of host tyrosine phosphorylation in bacterial pathogenesis. <i>Trends in Genetics</i> , <b>1993</b> , 9, 85-9	8.5	25
20	AFA-I, a cloned afimbrial X-type adhesin from a human pyelonephritic <i>Escherichia coli</i> strain. Purification and chemical, functional and serologic characterization. <i>FEBS Journal</i> , <b>1985</b> , 152, 315-21		22
19	Covalently closed circular DNA molecules deficient in superhelical density as intermediates in plasmid life cycle. <i>Nature</i> , <b>1976</b> , 261, 516-9	50.4	17
18	Relationship between beta converting and gamma non-converting corynebacteriophage DNA. <i>Nature</i> , <b>1978</b> , 271, 683-5	50.4	17
17	Bile-induced $\phi$ iliSin <i>Campylobacter jejuni</i> are bacteria-independent artifacts of the culture medium. <i>Molecular Microbiology</i> , <b>2001</b> , 39, 1546-9	4.1	16
16	I never met a microbe I didn't like. <i>Nature Medicine</i> , <b>2008</b> , 14, 1053-7	50.5	13
15	<i>Helicobacter pylori</i> and gastric cancer: what can be learned by studying the response of gastric epithelial cells to the infection?. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2005</b> , 14, 1859-64	4	13
14	Genomic clues for defining bacterial pathogenicity. <i>Microbes and Infection</i> , <b>1999</b> , 1, 615-9	9.3	12
13	Capsule loss by <i>Haemophilus influenzae</i> type b results in enhanced adherence to and entry into human cells. <i>Journal of Infectious Diseases</i> , <b>1992</b> , 165 Suppl 1, S117-8	7	12
12	The fortunate professor. <i>Annual Review of Microbiology</i> , <b>2008</b> , 62, 1-18	17.5	5
11	From microbial genomics to meta-genomics. <i>Drug Development Research</i> , <b>1997</b> , 41, 180-192	5.1	4
10	Cellular Microbiology is launched. <i>Cellular Microbiology</i> , <b>1999</b> , 1, 3-6	3.9	4

- 9 Living in stools is not as dumb as you think. *Journal of Bacteriology*, **2000**, 182, 3319-22 3.5 3
- 8 A Molecular Perspective of Microbial Pathogenicity **2010**, 1-13 3
- 7 A Molecular Perspective of Microbial Pathogenicity **2015**, 1-10.e2 2
- 6 The Uses of Green Fluorescent Protein in Prokaryotes. *Methods of Biochemical Analysis*, **2005**, 163-178 2
- 5 Pathogen strategies. *Advances in Cellular and Molecular Biology of Membranes and Organelles*, **1999**, 6, 1-25 2
- 4 1.1 Detection of Virulence Genes Expressed within Infected Cells. *Methods in Microbiology*, **1998**, 3-12 2.8
- 3 Using knowledge of virulence factors to select or design organisms with low risk of pathogenicity. *Basic Life Sciences*, **1988**, 45, 121-6
- 2 Selection of Signature-Tagged *Legionella pneumophila* Mutants in *Acanthamoeba castellanii* 152-160
- 1 Toward Understanding the Molecular Basis of Bacterial Pathogenicity 1-10