

# Frederick M Ausubel

## List of Publications by Citations

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157  
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164  
ext. papers

31,981  
ext. citations

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#	Paper	IF	Citations
157	MAP kinase signalling cascade in Arabidopsis innate immunity. <i>Nature</i> , <b>2002</b> , 415, 977-83	50.4	1990
156	Isochorismate synthase is required to synthesize salicylic acid for plant defence. <i>Nature</i> , <b>2001</b> , 414, 562-5	50.4	1648
155	A procedure for mapping Arabidopsis mutations using co-dominant ecotype-specific PCR-based markers. <i>Plant Journal</i> , <b>1993</b> , 4, 403-10	6.9	1425
154	Glucosinolate metabolites required for an Arabidopsis innate immune response. <i>Science</i> , <b>2009</b> , 323, 95-101	33.3	791
153	Are innate immune signaling pathways in plants and animals conserved?. <i>Nature Immunology</i> , <b>2005</b> , 6, 973-9	19.1	717
152	An ordered, nonredundant library of Pseudomonas aeruginosa strain PA14 transposon insertion mutants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 2833-8	11.5	707
151	A general method for site-directed mutagenesis in prokaryotes. <i>Nature</i> , <b>1981</b> , 289, 85-8	50.4	670
150	Molecular mechanisms of bacterial virulence elucidated using a Pseudomonas aeruginosa-Caenorhabditis elegans pathogenesis model. <i>Cell</i> , <b>1999</b> , 96, 47-56	56.2	619
149	The A. thaliana disease resistance gene RPS2 encodes a protein containing a nucleotide-binding site and leucine-rich repeats. <i>Cell</i> , <b>1994</b> , 78, 1089-99	56.2	615
148	Programmed cell death in plants: a pathogen-triggered response activated coordinately with multiple defense functions. <i>Cell</i> , <b>1994</b> , 77, 551-63	56.2	612
147	Isolation of a higher eukaryotic telomere from Arabidopsis thaliana. <i>Cell</i> , <b>1988</b> , 53, 127-36	56.2	592
146	A conserved p38 MAP kinase pathway in Caenorhabditis elegans innate immunity. <i>Science</i> , <b>2002</b> , 297, 623-6	33.3	591
145	Isolation of Arabidopsis mutants with enhanced disease susceptibility by direct screening. <i>Genetics</i> , <b>1996</b> , 143, 973-82	4	465
144	Analysis of Arabidopsis mutants deficient in flavonoid biosynthesis. <i>Plant Journal</i> , <b>1995</b> , 8, 659-71	6.9	457
143	p38 MAPK regulates expression of immune response genes and contributes to longevity in C. elegans. <i>PLoS Genetics</i> , <b>2006</b> , 2, e183	6	440
142	Long-lived C. elegans daf-2 mutants are resistant to bacterial pathogens. <i>Science</i> , <b>2003</b> , 300, 1921	33.3	428
141	Peroxidase-dependent apoplastic oxidative burst in Arabidopsis required for pathogen resistance. <i>Plant Journal</i> , <b>2006</b> , 47, 851-63	6.9	410

140	The apoplastic oxidative burst peroxidase in Arabidopsis is a major component of pattern-triggered immunity. <i>Plant Cell</i> , <b>2012</b> , 24, 275-87	11.6	405
139	Positive correlation between virulence of <i>Pseudomonas aeruginosa</i> mutants in mice and insects. <i>Journal of Bacteriology</i> , <b>2000</b> , 182, 3843-5	3.5	398
138	Arabidopsis local resistance to <i>Botrytis cinerea</i> involves salicylic acid and camalexin and requires EDS4 and PAD2, but not SID2, EDS5 or PAD4. <i>Plant Journal</i> , <b>2003</b> , 35, 193-205	6.9	397
137	Innate immune responses activated in Arabidopsis roots by microbe-associated molecular patterns. <i>Plant Cell</i> , <b>2010</b> , 22, 973-90	11.6	393
136	Roles of salicylic acid, jasmonic acid, and ethylene in cpr-induced resistance in arabidopsis. <i>Plant Cell</i> , <b>2000</b> , 12, 2175-90	11.6	347
135	Fumonisin B1-induced cell death in arabidopsis protoplasts requires jasmonate-, ethylene-, and salicylate-dependent signaling pathways. <i>Plant Cell</i> , <b>2000</b> , 12, 1823-36	11.6	293
134	Evolution of host innate defence: insights from <i>Caenorhabditis elegans</i> and primitive invertebrates. <i>Nature Reviews Immunology</i> , <b>2010</b> , 10, 47-58	36.5	291
133	Resistance to <i>Botrytis cinerea</i> induced in Arabidopsis by elicitors is independent of salicylic acid, ethylene, or jasmonate signaling but requires PHYTOALEXIN DEFICIENT3. <i>Plant Physiology</i> , <b>2007</b> , 144, 367-79	6.6	289
132	Phytoalexin-deficient mutants of Arabidopsis reveal that PAD4 encodes a regulatory factor and that four PAD genes contribute to downy mildew resistance. <i>Genetics</i> , <b>1997</b> , 146, 381-92	4	277
131	<i>Salmonella typhimurium</i> proliferates and establishes a persistent infection in the intestine of <i>Caenorhabditis elegans</i> . <i>Current Biology</i> , <b>2000</b> , 10, 1539-42	6.3	269
130	Killing of <i>Caenorhabditis elegans</i> by <i>Cryptococcus neoformans</i> as a model of yeast pathogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 15675-80	11.5	262
129	Arabidopsis mutants compromised for the control of cellular damage during pathogenesis and aging. <i>Plant Journal</i> , <b>1993</b> , 4, 327-41	6.9	255
128	Genome-wide mapping with biallelic markers in Arabidopsis thaliana. <i>Nature Genetics</i> , <b>1999</b> , 23, 203-7	36.3	247
127	Antifungal chemical compounds identified using a <i>C. elegans</i> pathogenicity assay. <i>PLoS Pathogens</i> , <b>2007</b> , 3, e18	7.6	243
126	Prospects for plant-derived antibacterials. <i>Nature Biotechnology</i> , <b>2006</b> , 24, 1504-7	44.5	242
125	<i>Caenorhabditis elegans</i> as a model host for <i>Staphylococcus aureus</i> pathogenesis. <i>Infection and Immunity</i> , <b>2003</b> , 71, 2208-17	3.7	240
124	Cloning of <i>Rhizobium meliloti</i> nodulation genes by direct complementation of Nod <sup>-</sup> mutants. <i>Nature</i> , <b>1982</b> , 298, 485-488	50.4	235
123	<i>Pseudomonas syringae</i> manipulates systemic plant defenses against pathogens and herbivores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 1791-6	11.5	232

122	The worm has turned--microbial virulence modeled in <i>Caenorhabditis elegans</i> . <i>Trends in Microbiology</i> , <b>2005</b> , 13, 119-27	12.4	226
121	A new class of synthetic retinoid antibiotics effective against bacterial persisters. <i>Nature</i> , <b>2018</b> , 556, 103-107	50.4	216
120	Associations with rhizosphere bacteria can confer an adaptive advantage to plants. <i>Nature Plants</i> , <b>2015</b> , 1,	11.5	215
119	Identification of novel antimicrobials using a live-animal infection model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 10414-10419	11.5	215
118	Overview of Next-Generation Sequencing Technologies. <i>Current Protocols in Molecular Biology</i> , <b>2018</b> , 122, e59	2.9	212
117	Distinct pathogenesis and host responses during infection of <i>C. elegans</i> by <i>P. aeruginosa</i> and <i>S. aureus</i> . <i>PLoS Pathogens</i> , <b>2010</b> , 6, e1000982	7.6	212
116	Correlation of defense gene induction defects with powdery mildew susceptibility in <i>Arabidopsis</i> enhanced disease susceptibility mutants. <i>Plant Journal</i> , <b>1998</b> , 16, 473-85	6.9	208
115	RESISTANCE TO FUSARIUM OXYSPORUM 1, a dominant <i>Arabidopsis</i> disease-resistance gene, is not race specific. <i>Genetics</i> , <b>2005</b> , 171, 305-21	4	208
114	Directed transposon Tn5 mutagenesis and complementation analysis of <i>Rhizobium meliloti</i> symbiotic nitrogen fixation genes. <i>Cell</i> , <b>1982</b> , 29, 551-9	56.2	199
113	Use of the <i>Galleria mellonella</i> caterpillar as a model host to study the role of the type III secretion system in <i>Pseudomonas aeruginosa</i> pathogenesis. <i>Infection and Immunity</i> , <b>2003</b> , 71, 2404-13	3.7	196
112	Three unique mutants of <i>Arabidopsis</i> identify eds loci required for limiting growth of a biotrophic fungal pathogen. <i>Plant Journal</i> , <b>2000</b> , 24, 205-18	6.9	195
111	A copia-like transposable element family in <i>Arabidopsis thaliana</i> . <i>Nature</i> , <b>1988</b> , 336, 242-4	50.4	191
110	Simulation of fungal-mediated cell death by fumonisin B1 and selection of fumonisin B1-resistant (fbr) <i>Arabidopsis</i> mutants. <i>Plant Cell</i> , <b>2000</b> , 12, 1811-22	11.6	188
109	A simple procedure for the analysis of single nucleotide polymorphisms facilitates map-based cloning in <i>Arabidopsis</i> . <i>Plant Physiology</i> , <b>2000</b> , 124, 1483-92	6.6	184
108	The AtrbohD-mediated oxidative burst elicited by oligogalacturonides in <i>Arabidopsis</i> is dispensable for the activation of defense responses effective against <i>Botrytis cinerea</i> . <i>Plant Physiology</i> , <b>2008</b> , 148, 1695-706	6.6	183
107	<i>Caenorhabditis elegans</i> innate immune response triggered by <i>Salmonella enterica</i> requires intact LPS and is mediated by a MAPK signaling pathway. <i>Current Biology</i> , <b>2003</b> , 13, 47-52	6.3	168
106	Requirement for a conserved Toll/interleukin-1 resistance domain protein in the <i>Caenorhabditis elegans</i> immune response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 6593-8	11.5	168
105	High-throughput screen for novel antimicrobials using a whole animal infection model. <i>ACS Chemical Biology</i> , <b>2009</b> , 4, 527-33	4.9	167

104	Virulence effect of <i>Enterococcus faecalis</i> protease genes and the quorum-sensing locus <i>fsr</i> in <i>Caenorhabditis elegans</i> and mice. <i>Infection and Immunity</i> , <b>2002</b> , 70, 5647-50	3.7	163
103	Microsporidia are natural intracellular parasites of the nematode <i>Caenorhabditis elegans</i> . <i>PLoS Biology</i> , <b>2008</b> , 6, 2736-52	9.7	161
102	Mutational analysis of the <i>Arabidopsis</i> nucleotide binding site-leucine-rich repeat resistance gene <i>RPS2</i> . <i>Plant Cell</i> , <b>2000</b> , 12, 2541-2554	11.6	157
101	A <i>Rhizobium meliloti</i> symbiotic regulatory gene. <i>Cell</i> , <b>1984</b> , 36, 1035-43	56.2	157
100	Elucidating the molecular mechanisms of bacterial virulence using non-mammalian hosts. <i>Molecular Microbiology</i> , <b>2000</b> , 37, 981-8	4.1	156
99	Regulation of nitrogen metabolism genes by <i>nifA</i> gene product in <i>Klebsiella pneumoniae</i> . <i>Nature</i> , <b>1983</b> , 301, 307-13	50.4	156
98	A peroxidase-dependent apoplastic oxidative burst in cultured <i>Arabidopsis</i> cells functions in MAMP-elicited defense. <i>Plant Physiology</i> , <b>2012</b> , 158, 2013-27	6.6	151
97	Pathogen-secreted proteases activate a novel plant immune pathway. <i>Nature</i> , <b>2015</b> , 521, 213-6	50.4	138
96	Exploiting amoeboid and non-vertebrate animal model systems to study the virulence of human pathogenic fungi. <i>PLoS Pathogens</i> , <b>2007</b> , 3, e101	7.6	136
95	Mediation of pathogen resistance by exudation of antimicrobials from roots. <i>Nature</i> , <b>2005</b> , 434, 217-21	50.4	135
94	Integration of <i>Caenorhabditis elegans</i> MAPK pathways mediating immunity and stress resistance by MEK-1 MAPK kinase and VHP-1 MAPK phosphatase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 10990-4	11.5	132
93	Mitophagy confers resistance to siderophore-mediated killing by <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 1821-6	11.5	129
92	Host translational inhibition by <i>Pseudomonas aeruginosa</i> Exotoxin A Triggers an immune response in <i>Caenorhabditis elegans</i> . <i>Cell Host and Microbe</i> , <b>2012</b> , 11, 364-74	23.4	129
91	<i>Caenorhabditis elegans</i> as a host for the study of host-pathogen interactions. <i>Current Opinion in Microbiology</i> , <b>2002</b> , 5, 97-101	7.9	129
90	The <i>Caenorhabditis elegans</i> MAPK phosphatase VHP-1 mediates a novel JNK-like signaling pathway in stress response. <i>EMBO Journal</i> , <b>2004</b> , 23, 2226-34	13	124
89	Immune defense mechanisms in the <i>Caenorhabditis elegans</i> intestinal epithelium. <i>Current Opinion in Immunology</i> , <b>2012</b> , 24, 3-9	7.8	123
88	Models of <i>Caenorhabditis elegans</i> infection by bacterial and fungal pathogens. <i>Methods in Molecular Biology</i> , <b>2008</b> , 415, 403-27	1.4	122
87	<i>Pseudomonas aeruginosa</i> disrupts <i>Caenorhabditis elegans</i> iron homeostasis, causing a hypoxic response and death. <i>Cell Host and Microbe</i> , <b>2013</b> , 13, 406-16	23.4	119

86	Klebsiella pneumoniae nifA product activates the Rhizobium meliloti nitrogenase promoter. <i>Nature</i> , <b>1983</b> , 301, 728-32	50.4	118
85	Genome-wide identification of Pseudomonas aeruginosa virulence-related genes using a Caenorhabditis elegans infection model. <i>PLoS Pathogens</i> , <b>2012</b> , 8, e1002813	7.6	112
84	Plant immunity triggered by engineered in vivo release of oligogalacturonides, damage-associated molecular patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 5533-8	11.5	111
83	Identification of Pseudomonas aeruginosa phenazines that kill Caenorhabditis elegans. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003101	7.6	110
82	Evolutionary perspectives on innate immunity from the study of Caenorhabditis elegans. <i>Current Opinion in Immunology</i> , <b>2005</b> , 17, 4-10	7.8	108
81	bZIP transcription factor zip-2 mediates an early response to Pseudomonas aeruginosa infection in Caenorhabditis elegans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 2153-8	11.5	106
80	Candida albicans infection of Caenorhabditis elegans induces antifungal immune defenses. <i>PLoS Pathogens</i> , <b>2011</b> , 7, e1002074	7.6	103
79	Pathogenesis of the human opportunistic pathogen Pseudomonas aeruginosa PA14 in Arabidopsis. <i>Plant Physiology</i> , <b>2000</b> , 124, 1766-74	6.6	100
78	Influence of maternal breast milk ingestion on acquisition of the intestinal microbiome in preterm infants. <i>Microbiome</i> , <b>2016</b> , 4, 68	16.6	97
77	Repurposing salicylanilide anthelmintic drugs to combat drug resistant Staphylococcus aureus. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124595	3.7	93
76	Signals involved in Arabidopsis resistance to Trichoplusia ni caterpillars induced by virulent and avirulent strains of the phytopathogen Pseudomonas syringae. <i>Plant Physiology</i> , <b>2002</b> , 129, 551-64	6.6	92
75	The G protein-coupled receptor FSHR-1 is required for the Caenorhabditis elegans innate immune response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 2782-7	11.5	87
74	The NBS-LRR architectures of plant R-proteins and metazoan NLRs evolved in independent events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 1063-1068	11.5	86
73	The TASTY locus on chromosome 1 of Arabidopsis affects feeding of the insect herbivore Trichoplusia ni. <i>Plant Physiology</i> , <b>2001</b> , 126, 890-8	6.6	85
72	Conjugating berberine to a multidrug efflux pump inhibitor creates an effective antimicrobial. <i>ACS Chemical Biology</i> , <b>2006</b> , 1, 594-600	4.9	84
71	The roles of mucD and alginate in the virulence of Pseudomonas aeruginosa in plants, nematodes and mice. <i>Molecular Microbiology</i> , <b>2001</b> , 41, 1063-76	4.1	82
70	DAF-16-dependent suppression of immunity during reproduction in Caenorhabditis elegans. <i>Genetics</i> , <b>2008</b> , 178, 903-18	4	78
69	Role for beta-catenin and HOX transcription factors in Caenorhabditis elegans and mammalian host epithelial-pathogen interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 17469-74	11.5	77

68	Identification of antifungal compounds active against <i>Candida albicans</i> using an improved high-throughput <i>Caenorhabditis elegans</i> assay. <i>PLoS ONE</i> , <b>2009</b> , 4, e7025	3.7	74
67	Whole animal automated platform for drug discovery against multi-drug resistant <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e89189	3.7	73
66	High intensity and blue light regulated expression of chimeric chalcone synthase genes in transgenic <i>Arabidopsis thaliana</i> plants. <i>Molecular Genetics and Genomics</i> , <b>1991</b> , 226, 449-56		69
65	Isolation of new <i>Arabidopsis</i> mutants with enhanced disease susceptibility to <i>Pseudomonas syringae</i> by direct screening. <i>Genetics</i> , <b>1998</b> , 149, 537-48	4	68
64	Stimulation of host immune defenses by a small molecule protects <i>C. elegans</i> from bacterial infection. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002733	6	57
63	Cytotoxicity of hydrogen peroxide produced by <i>Enterococcus faecium</i> . <i>Infection and Immunity</i> , <b>2004</b> , 72, 4512-20	3.7	57
62	Mining the plant-herbivore interface with a leafmining <i>Drosophila</i> of <i>Arabidopsis</i> . <i>Molecular Ecology</i> , <b>2011</b> , 20, 995-1014	5.7	56
61	Jasmonate signalling in involves SGT1b-HSP70-HSP90 chaperone complexes. <i>Nature Plants</i> , <b>2015</b> , 1,	11.5	55
60	Trehalose biosynthesis promotes <i>Pseudomonas aeruginosa</i> pathogenicity in plants. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003217	7.6	54
59	Temporal global expression data reveal known and novel salicylate-impacted processes and regulators mediating powdery mildew growth and reproduction on <i>Arabidopsis</i> . <i>Plant Physiology</i> , <b>2009</b> , 149, 1435-51	6.6	54
58	<i>Pseudomonas aeruginosa</i> PA14 pathogenesis in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , <b>2014</b> , 1149, 653-69	1.4	54
57	A selective membrane-targeting repurposed antibiotic with activity against persistent methicillin-resistant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 16529-16534	11.5	53
56	Genes involved in the evolution of herbivory by a leaf-mining, <i>Drosophilid</i> fly. <i>Genome Biology and Evolution</i> , <b>2012</b> , 4, 900-16	3.9	49
55	Anther Culture of <i>Petunia</i> : Genotypes with High Frequency of Callus, Root, or Plantlet Formation. <i>Zeitschrift für Pflanzenphysiologie</i> , <b>1980</b> , 100, 131-145		49
54	Apoplastic peroxidases are required for salicylic acid-mediated defense against <i>Pseudomonas syringae</i> . <i>Phytochemistry</i> , <b>2015</b> , 112, 110-21	4	47
53	Powdery mildew pathogenesis of <i>Arabidopsis thaliana</i> . <i>Mycologia</i> , <b>1998</b> , 90, 1009-1016	2.4	46
52	Insect-derived cecropins display activity against <i>Acinetobacter baumannii</i> in a whole-animal high-throughput <i>Caenorhabditis elegans</i> model. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2015</b> , 59, 1728-37	5.9	43
51	Identification of an Antimicrobial Agent Effective against Methicillin-Resistant <i>Staphylococcus aureus</i> Persists Using a Fluorescence-Based Screening Strategy. <i>PLoS ONE</i> , <b>2015</b> , 10, e0127640	3.7	41



50	Attenuation of <i>Pseudomonas aeruginosa</i> virulence by medicinal plants in a <i>Caenorhabditis elegans</i> model system. <i>Journal of Medical Microbiology</i> , <b>2008</b> , 57, 809-813	3.2	41
49	Characterization of the integrated filamentous phage PF5 and its involvement in small-colony formation. <i>Microbiology (United Kingdom)</i> , <b>2007</b> , 153, 1790-1798	2.9	39
48	Rhizosphere-associated <i>Pseudomonas</i> induce systemic resistance to herbivores at the cost of susceptibility to bacterial pathogens. <i>Molecular Ecology</i> , <b>2018</b> , 27, 1833-1847	5.7	38
47	The evolutionarily conserved mediator subunit MDT-15/MED15 links protective innate immune responses and xenobiotic detoxification. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004143	7.6	37
46	High-throughput screening for novel anti-infectives using a <i>C. elegans</i> pathogenesis model. <i>Current Protocols in Chemical Biology</i> , <b>2014</b> , 6, 25-37	1.8	36
45	Nodules elicited by <i>Rhizobium meliloti</i> heme mutants are arrested at an early stage of development. <i>Molecular Genetics and Genomics</i> , <b>1991</b> , 230, 423-32		36
44	Both live and dead Enterococci activate <i>Caenorhabditis elegans</i> host defense via immune and stress pathways. <i>Virulence</i> , <b>2018</b> , 9, 683-699	4.7	35
43	A new antibiotic with potent activity targets MscL. <i>Journal of Antibiotics</i> , <b>2015</b> , 68, 453-62	3.7	34
42	Pathogen-triggered ethylene signaling mediates systemic-induced susceptibility to herbivory in <i>Arabidopsis</i> . <i>Plant Cell</i> , <b>2013</b> , 25, 4755-66	11.6	33
41	Powdery Mildew Pathogenesis of <i>Arabidopsis thaliana</i> . <i>Mycologia</i> , <b>1998</b> , 90, 1009	2.4	31
40	A light-independent developmental mechanism potentiates flavonoid gene expression in <i>Arabidopsis</i> seedlings. <i>Plant Molecular Biology</i> , <b>1998</b> , 37, 217-23	4.6	30
39	MICROBIOME. Plant microbiome blueprints. <i>Science</i> , <b>2015</b> , 349, 788-9	33.3	29
38	NH125 kills methicillin-resistant <i>Staphylococcus aureus</i> persisters by lipid bilayer disruption. <i>Future Medicinal Chemistry</i> , <b>2016</b> , 8, 257-69	4.1	28
37	Enterococcus infection biology: lessons from invertebrate host models. <i>Journal of Microbiology</i> , <b>2014</b> , 52, 200-10	3	28
36	A Defensin from the Model Beetle <i>Tribolium castaneum</i> Acts Synergistically with Telavancin and Daptomycin against Multidrug Resistant <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , <b>2015</b> , 10, e0128576	3.7	28
35	Investment in secreted enzymes during nutrient-limited growth is utility dependent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E7796-E7802	11.5	27
34	Berberine-INF55 (5-nitro-2-phenylindole) hybrid antimicrobials: effects of varying the relative orientation of the berberine and INF55 components. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2010</b> , 54, 3219-24	5.9	27
33	Discovery and Optimization of nTZDpa as an Antibiotic Effective Against Bacterial Persisters. <i>ACS Infectious Diseases</i> , <b>2018</b> , 4, 1540-1545	5.5	26



32	Recombinant P4 bacteriophages propagate as viable lytic phages or as autonomous plasmids in <i>Klebsiella pneumoniae</i> . <i>Molecular Genetics and Genomics</i> , <b>1980</b> , 180, 165-75		26
31	Isolation of Arabidopsis Genes That Differentiate between Resistance Responses Mediated by the RPS2 and RPM1 Disease Resistance Genes. <i>Plant Cell</i> , <b>1996</b> , 8, 241	11.6	24
30	Directive segregation in the basis of colE1 plasmid incompatibility. <i>Nature</i> , <b>1979</b> , 281, 447-52	50.4	24
29	An Antipersister Strategy for Treatment of Chronic <i>Pseudomonas aeruginosa</i> Infections. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2017</b> , 61,	5.9	23
28	Radiochemical purification of bacteriophage lambda integrase. <i>Nature</i> , <b>1974</b> , 247, 152-4	50.4	21
27	The <i>Pseudomonas aeruginosa</i> accessory genome elements influence virulence towards <i>Caenorhabditis elegans</i> . <i>Genome Biology</i> , <b>2019</b> , 20, 270	18.3	17
26	Tribbles ortholog NIPI-3 and bZIP transcription factor CEBP-1 regulate a <i>Caenorhabditis elegans</i> intestinal immune surveillance pathway. <i>BMC Biology</i> , <b>2016</b> , 14, 105	7.3	16
25	Mutation of the Glucosinolate Biosynthesis Enzyme Cytochrome P450 83A1 Monooxygenase Increases Camalexin Accumulation and Powdery Mildew Resistance. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 227	6.2	16
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