

Fergal O Gara

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260
papers

10,373
citations

55
h-index

89
g-index

335
ext. papers

11,999
ext. citations

4.8
avg, IF

5.94
L-index

#	Paper	IF	Citations
260	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015 , 11, 625-31	11.7	498
259	Isolation of 2,4-diacetylphloroglucinol from a fluorescent pseudomonad and investigation of physiological parameters influencing its production. <i>Applied and Environmental Microbiology</i> , 1992 , 58, 353-8	4.8	342
258	Small, stable shuttle vectors based on the minimal pVS1 replicon for use in gram-negative, plant-associated bacteria. <i>Molecular Plant-Microbe Interactions</i> , 2000 , 13, 232-7	3.6	293
257	Metabolites of Pseudomonas involved in the biocontrol of plant disease. <i>Trends in Biotechnology</i> , 1994 , 12, 133-141	15.1	293
256	Pseudomonas for biocontrol of phytopathogens: from functional genomics to commercial exploitation. <i>Current Opinion in Biotechnology</i> , 2001 , 12, 289-95	11.4	230
255	Transcriptome profiling of bacterial responses to root exudates identifies genes involved in microbe-plant interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 17454-9	11.5	195
254	Regulation of nitrogen fixation by Rhizobia. Export of fixed N ₂ as NH ₄ . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1976 , 437, 313-21	4	184
253	Long-term phosphorus fertilisation increased the diversity of the total bacterial community and the phoD phosphorus mineraliser group in pasture soils. <i>Biology and Fertility of Soils</i> , 2013 , 49, 661-672	6.1	174
252	Biological control of by W81 is mediated by an extracellular proteolytic activity. <i>Microbiology (United Kingdom)</i> , 1997 , 143, 3921-3931	2.9	169
251	The biocontrol strain Pseudomonas fluorescens F113 produces the Rhizobium small bacteriocin, N-(3-hydroxy-7-cis-tetradecenoyl)homoserine lactone, via HdtS, a putative novel N-acylhomoserine lactone synthase. <i>Microbiology (United Kingdom)</i> , 2000 , 146 (Pt 10), 2469-2480	2.9	163
250	Are microbes at the root of a solution to world food production? Rational exploitation of interactions between microbes and plants can help to transform agriculture. <i>EMBO Reports</i> , 2004 , 5, 922-6	6.5	140
249	Functional genomics analysis of plant growth-promoting rhizobacterial traits involved in rhizosphere competence. <i>Biology and Fertility of Soils</i> , 2011 , 47, 729-743	6.1	139
248	Isolation and analysis of bacteria with antimicrobial activities from the marine sponge Haliclona simulans collected from Irish waters. <i>Marine Biotechnology</i> , 2009 , 11, 384-96	3.4	139
247	Influence of the regulatory protein RsmA on cellular functions in Pseudomonas aeruginosa PAO1, as revealed by transcriptome analysis. <i>Microbiology (United Kingdom)</i> , 2006 , 152, 405-418	2.9	131
246	Genome diversity of Pseudomonas aeruginosa isolates from cystic fibrosis patients and the hospital environment. <i>Journal of Clinical Microbiology</i> , 2004 , 42, 5783-92	9.7	129
245	The ocean sampling day consortium. <i>GigaScience</i> , 2015 , 4, 27	7.6	126
244	Marine metagenomics: new tools for the study and exploitation of marine microbial metabolism. <i>Marine Drugs</i> , 2010 , 8, 608-28	6	126

243	Biochemical and genomic comparison of inorganic phosphate solubilization in <i>Pseudomonas</i> species. <i>Environmental Microbiology Reports</i> , 2010 , 2, 403-11	3.7	120
242	Signal-mediated interactions between <i>Pseudomonas aeruginosa</i> and <i>Candida albicans</i> . <i>Journal of Medical Microbiology</i> , 2008 , 57, 563-569	3.2	120
241	Phenotypic selection and phase variation occur during alfalfa root colonization by <i>Pseudomonas fluorescens</i> F113. <i>Journal of Bacteriology</i> , 2002 , 184, 1587-96	3.5	120
240	The <i>Pseudomonas</i> quinolone signal (PQS), and its precursor HHQ, modulate interspecies and interkingdom behaviour. <i>FEMS Microbiology Ecology</i> , 2011 , 77, 413-28	4.3	109
239	Combining proteolytic and phloroglucinol-producing bacteria for improved biocontrol of <i>Pythium</i> -mediated damping-off of sugar beet. <i>Plant Pathology</i> , 1998 , 47, 299-307	2.8	109
238	Overproduction of an inducible extracellular serine protease improves biological control of <i>Pythium ultimum</i> by <i>Stenotrophomonas maltophilia</i> strain W81. <i>Microbiology (United Kingdom)</i> , 2000 , 146 (Pt 8), 2069-2078	2.9	100
237	A regulatory RNA (PrrB RNA) modulates expression of secondary metabolite genes in <i>Pseudomonas fluorescens</i> F113. <i>Journal of Bacteriology</i> , 2000 , 182, 3913-9	3.5	99
236	Regulation of production of the antifungal metabolite 2,4-diacetylphloroglucinol in <i>Pseudomonas fluorescens</i> F113: genetic analysis of phlF as a transcriptional repressor. <i>Microbiology (United Kingdom)</i> , 2000 , 146 (Pt 2), 537-546	2.9	98
235	Functional metagenomic strategies for the discovery of novel enzymes and biosurfactants with biotechnological applications from marine ecosystems. <i>Journal of Applied Microbiology</i> , 2011 , 111, 787-99	4.7	97
234	The Sound of Silence: Activating Silent Biosynthetic Gene Clusters in Marine Microorganisms. <i>Marine Drugs</i> , 2015 , 13, 4754-83	6	92
233	Dicarboxylic acid transport in <i>Rhizobium meliloti</i> : isolation of mutants and cloning of dicarboxylic acid transport genes. <i>Archives of Microbiology</i> , 1986 , 144, 142-146	3	90
232	Genomic analysis of the type VI secretion systems in <i>Pseudomonas</i> spp.: novel clusters and putative effectors uncovered. <i>Microbiology (United Kingdom)</i> , 2011 , 157, 1726-1739	2.9	83
231	Statin therapy causes gut dysbiosis in mice through a PXR-dependent mechanism. <i>Microbiome</i> , 2017 , 5, 95	16.6	82
230	Back to the Future of Soil Metagenomics. <i>Frontiers in Microbiology</i> , 2016 , 7, 73	5.7	82
229	Superior inorganic phosphate solubilization is linked to phylogeny within the <i>Pseudomonas fluorescens</i> complex. <i>Applied Soil Ecology</i> , 2009 , 43, 131-138	5	80
228	Ecological interaction of a biocontrol <i>Pseudomonas fluorescens</i> strain producing 2,4-diacetylphloroglucinol with the soft rot potato pathogen <i>Erwinia carotovora</i> subsp. <i>atroseptica</i> . <i>FEMS Microbiology Ecology</i> , 2006 , 23, 95-106	4.3	80
227	Characterization of interactions between the transcriptional repressor PhlF and its binding site at the phlA promoter in <i>Pseudomonas fluorescens</i> F113. <i>Journal of Bacteriology</i> , 2002 , 184, 3008-16	3.5	80
226	Modulation of quorum sensing in <i>Pseudomonas aeruginosa</i> through alteration of membrane properties. <i>Microbiology (United Kingdom)</i> , 2005 , 151, 2529-2542	2.9	73

225	Tumour necrosis factor 5' promoter single nucleotide polymorphisms influence susceptibility to rheumatoid arthritis (RA) in immunogenetically defined multiplex RA families. <i>Genes and Immunity</i> , 2001 , 2, 82-7	4.4	72
224	Exploiting new systems-based strategies to elucidate plant-bacterial interactions in the rhizosphere. <i>Microbial Ecology</i> , 2006 , 51, 257-66	4.4	68
223	<i>Pseudomonas aeruginosa</i> RsmA plays an important role during murine infection by influencing colonization, virulence, persistence, and pulmonary inflammation. <i>Infection and Immunity</i> , 2008 , 76, 632-8	3.7	67
222	The posttranscriptional regulator RsmA plays a role in the interaction between <i>Pseudomonas aeruginosa</i> and human airway epithelial cells by positively regulating the type III secretion system. <i>Infection and Immunity</i> , 2006 , 74, 3012-5	3.7	67
221	Applications of autofluorescent proteins for in situ studies in microbial ecology. <i>Annual Review of Microbiology</i> , 2005 , 59, 257-77	17.5	67
220	Transcriptome profiling defines a novel regulon modulated by the LysR-type transcriptional regulator MexT in <i>Pseudomonas aeruginosa</i> . <i>Nucleic Acids Research</i> , 2009 , 37, 7546-59	20.1	66
219	Genome sequence reveals that <i>Pseudomonas fluorescens</i> F113 possesses a large and diverse array of systems for rhizosphere function and host interaction. <i>BMC Genomics</i> , 2013 , 14, 54	4.5	65
218	Is There Potential for Repurposing Statins as Novel Antimicrobials?. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 5111-21	5.9	64
217	<i>Pseudomonas aeruginosa</i> secreted factors impair biofilm development in <i>Candida albicans</i> . <i>Microbiology (United Kingdom)</i> , 2010 , 156, 1476-1486	2.9	63
216	COOPERATION IN THE RHIZOSPHERE AND THE "FREE RIDER" PROBLEM. <i>Ecology</i> , 2003 , 84, 838-845	4.6	61
215	The <i>Vibrio</i> seventh pandemic island-II is a 26.9 kb genomic island present in <i>Vibrio cholerae</i> El Tor and O139 serogroup isolates that shows homology to a 43.4 kb genomic island in <i>V. vulnificus</i> . <i>Microbiology (United Kingdom)</i> , 2004 , 150, 4053-63	2.9	61
214	Subinhibitory concentrations of the cationic antimicrobial peptide colistin induce the <i>pseudomonas</i> quinolone signal in <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2009 , 155, 2826-2837	2.9	59
213	Construction of p16Slux, a novel vector for improved bioluminescent labeling of gram-negative bacteria. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 7092-5	4.8	59
212	Molecular-based strategies to exploit <i>Pseudomonas</i> biocontrol strains for environmental biotechnology applications. <i>FEMS Microbiology Ecology</i> , 2006 , 56, 167-77	4.3	59
211	Impact of 2,4-diacetylphloroglucinol-producing biocontrol strain <i>Pseudomonas fluorescens</i> F113 on intraspecific diversity of resident culturable fluorescent <i>pseudomonads</i> associated with the roots of field-grown sugar beet seedlings. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 3418-25	4.8	59
210	Subtilomycin: a new lantibiotic from <i>Bacillus subtilis</i> strain MMA7 isolated from the marine sponge <i>Haliclona simulans</i> . <i>Marine Drugs</i> , 2013 , 11, 1878-98	6	58
209	The behavior of bacteria designed for biodegradation. <i>Nature Biotechnology</i> , 1994 , 12, 1349-56	44.5	58
208	Genome sequence of the biocontrol strain <i>Pseudomonas fluorescens</i> F113. <i>Journal of Bacteriology</i> , 2012 , 194, 1273-4	3.5	57

207	Metagenomics for the discovery of novel biosurfactants of environmental interest from marine ecosystems. <i>Current Opinion in Biotechnology</i> , 2015 , 33, 176-82	11.4	55
206	Diversity and antimicrobial activities of microbes from two Irish marine sponges, <i>Suberites carnosus</i> and <i>Leucosolenia</i> sp. <i>Journal of Applied Microbiology</i> , 2012 , 112, 289-301	4.7	55
205	What can bacterial genome research teach us about bacteria-plant interactions?. <i>Current Opinion in Plant Biology</i> , 2004 , 7, 137-47	9.9	55
204	Fertilization management affects the alkaline phosphatase bacterial community in barley rhizosphere soil. <i>Biology and Fertility of Soils</i> , 2013 , 49, 31-39	6.1	54
203	Emerging strategies and integrated systems microbiology technologies for biodiscovery of marine bioactive compounds. <i>Marine Drugs</i> , 2014 , 12, 3516-59	6	54
202	Pyrosequencing reveals diverse and distinct sponge-specific microbial communities in sponges from a single geographical location in Irish waters. <i>Microbial Ecology</i> , 2012 , 64, 105-16	4.4	54
201	Deciphering the role of coumarin as a novel quorum sensing inhibitor suppressing virulence phenotypes in bacterial pathogens. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 3303-16	5.7	53
200	Exploitation of genetically modified inoculants for industrial ecology applications. <i>Antonie Van Leeuwenhoek</i> , 2002 , 81, 599-606	2.1	53
199	Genetic analysis and regulation of the <i>Rhizobium meliloti</i> genes controlling C4-dicarboxylic acid transport. <i>Gene</i> , 1989 , 85, 135-44	3.8	53
198	Emerging concepts promising new horizons for marine biodiscovery and synthetic biology. <i>Marine Drugs</i> , 2015 , 13, 2924-54	6	51
197	CpxR Activates MexAB-OprM Efflux Pump Expression and Enhances Antibiotic Resistance in Both Laboratory and Clinical nalB-Type Isolates of <i>Pseudomonas aeruginosa</i> . <i>PLoS Pathogens</i> , 2016 , 12, e1005932	7.6	50
196	Evolutionary history of the <i>phl</i> gene cluster in the plant-associated bacterium <i>Pseudomonas fluorescens</i> . <i>Applied and Environmental Microbiology</i> , 2009 , 75, 2122-31	4.8	49
195	Characterisation of the regulatory RNA RsmB from <i>Pseudomonas aeruginosa</i> PAO1. <i>Research in Microbiology</i> , 2005 , 156, 7-16	4	49
194	Fingerprinting bacterial chromosomal DNA with restriction endonuclease EcoRI: comparison of <i>Rhizobium</i> spp. and identification of mutants. <i>Canadian Journal of Microbiology</i> , 1979 , 25, 803-7	3.2	49
193	Evidence of a putative deep sea specific microbiome in marine sponges. <i>PLoS ONE</i> , 2014 , 9, e91092	3.7	48
192	Characterization of mineral phosphate solubilization traits from a barley rhizosphere soil functional metagenome. <i>MicrobiologyOpen</i> , 2013 , 2, 717-24	3.4	47
191	MexT modulates virulence determinants in <i>Pseudomonas aeruginosa</i> independent of the MexEF-OprN efflux pump. <i>Microbial Pathogenesis</i> , 2009 , 47, 237-41	3.8	47
190	The putative permease PhIE of <i>Pseudomonas fluorescens</i> F113 has a role in 2,4-diacetylphloroglucinol resistance and in general stress tolerance. <i>Microbiology (United Kingdom)</i> , 2004 , 150, 2443-2450	2.9	47

189	The gut microbiome and cardiovascular disease: current knowledge and clinical potential. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H923-H938	5.2	43
188	<i>Rhizobium meliloti</i> adenylate cyclase is related to eucaryotic adenylate and guanylate cyclases. <i>Journal of Bacteriology</i> , 1990 , 172, 2614-21	3.5	43
187	Metabolomic profiling and genomic study of a marine sponge-associated <i>Streptomyces</i> sp. <i>Marine Drugs</i> , 2014 , 12, 3323-51	6	42
186	Distribution and diversity of bacterial secretion systems across metagenomic datasets. <i>Environmental Microbiology Reports</i> , 2013 , 5, 117-26	3.7	42
185	Diversity and antimicrobial activity of <i>Pseudovibrio</i> spp. from Irish marine sponges. <i>Journal of Applied Microbiology</i> , 2011 , 110, 1495-508	4.7	41
184	Inhibition of egg hatch of the potato cyst nematode <i>Globodera rostochiensis</i> by chitinase-producing bacteria. <i>European Journal of Plant Pathology</i> , 1997 , 103, 433-440	2.1	41
183	Effect of inoculum preparation and formulation on survival and biocontrol efficacy of <i>Pseudomonas fluorescens</i> F113. <i>Journal of Applied Microbiology</i> , 1999 , 86, 108-116	4.7	41
182	Liquid chromatographic assay of microbially derived phloroglucinol antibiotics for establishing the biosynthetic route to production, and the factors affecting their regulation. <i>Analytica Chimica Acta</i> , 1993 , 272, 271-277	6.6	41
181	Molecular Signature of <i>Pseudomonas aeruginosa</i> with Simultaneous Nanomolar Detection of Quorum Sensing Signaling Molecules at a Boron-Doped Diamond Electrode. <i>Scientific Reports</i> , 2016 , 6, 30001	4.9	40
180	In vitro analyses are not reliable predictors of the plant growth promotion capability of bacteria; a <i>Pseudomonas fluorescens</i> strain that promotes the growth and yield of wheat. <i>Journal of Applied Microbiology</i> , 2011 , 111, 683-92	4.7	40
179	LST1 and NCR3 expression in autoimmune inflammation and in response to IFN-gamma, LPS and microbial infection. <i>Immunogenetics</i> , 2006 , 57, 893-903	3.2	40
178	Identification of two lysophosphatidic acid acyltransferase genes with overlapping function in <i>Pseudomonas fluorescens</i> . <i>Microbiology (United Kingdom)</i> , 2005 , 151, 3071-3080	2.9	40
177	Characterisation of non-autoinducing tropodithietic Acid (TDA) production from marine sponge <i>Pseudovibrio</i> species. <i>Marine Drugs</i> , 2014 , 12, 5960-78	6	39
176	Diversity and antibacterial activity of bacteria isolated from the coastal marine sponges <i>Amphilectus fucorum</i> and <i>Eurypon major</i> . <i>Letters in Applied Microbiology</i> , 2012 , 55, 2-8	2.9	39
175	MexT functions as a redox-responsive regulator modulating disulfide stress resistance in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2012 , 194, 3502-11	3.5	38
174	Dicarboxylic acid transport in <i>Bradyrhizobium japonicum</i> : use of <i>Rhizobium meliloti</i> dct gene(s) to enhance nitrogen fixation. <i>Journal of Bacteriology</i> , 1988 , 170, 184-9	3.5	38
173	High levels of Lymphotoxin-Beta (LT-Beta) gene expression in rheumatoid arthritis synovium: clinical and cytokine correlations. <i>Rheumatology International</i> , 2008 , 28, 979-86	3.6	37
172	Iron-responsive gene expression in <i>Pseudomonas fluorescens</i> M114: cloning and characterization of a transcription-activating factor, PbrA. <i>Molecular Microbiology</i> , 1995 , 15, 297-306	4.1	37

171	Studies on the Inoculation and Competitiveness of a Rhizobium leguminosarum Strain in Soils Containing Indigenous Rhizobia. <i>Applied and Environmental Microbiology</i> , 1985 , 49, 899-903	4.8	36
170	Archaea appear to dominate the microbiome of Inflatella pellicula deep sea sponges. <i>PLoS ONE</i> , 2013 , 8, e84438	3.7	35
169	Control of symbiotic nitrogen fixation in Rhizobia. Regulation of NH ₄ ⁺ assimilation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1976 , 451, 342-52	4	34
168	Identification of Secondary Metabolite Gene Clusters in the Genus Reveals Encouraging Biosynthetic Potential toward the Production of Novel Bioactive Compounds. <i>Frontiers in Microbiology</i> , 2017 , 8, 1494	5.7	32
167	Structure-function analysis of the C-3 position in analogues of microbial behavioural modulators HHQ and PQS. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 8903-10	3.9	32
166	Enhancing the biocontrol efficacy of Pseudomonas fluorescens F113 by altering the regulation and production of 2,4-diacetylphloroglucinol. <i>Plant and Soil</i> , 2001 , 232, 195-205	4.2	32
165	Low oxygen induces the type III secretion system in Pseudomonas aeruginosa via modulation of the small RNAs rsmZ and rsmY. <i>Microbiology (United Kingdom)</i> , 2011 , 157, 3417-3428	2.9	30
164	Tetracycline resistance-encoding plasmid from Bacillus sp. strain #24, isolated from the marine sponge Haliclona simulans. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 327-9	4.8	30
163	Pseudomonas aeruginosa Alkyl quinolones repress hypoxia-inducible factor 1 (HIF-1) signaling through HIF-1 degradation. <i>Infection and Immunity</i> , 2012 , 80, 3985-92	3.7	30
162	Pseudomonas aeruginosa infection of airway epithelial cells modulates expression of Kruppel-like factors 2 and 6 via RsmA-mediated regulation of type III exoenzymes S and Y. <i>Infection and Immunity</i> , 2006 , 74, 5893-902	3.7	30
161	Signalling by the fungus Pythium ultimum represses expression of two ribosomal RNA operons with key roles in the rhizosphere ecology of Pseudomonas fluorescens F113. <i>Environmental Microbiology</i> , 1999 , 1, 495-502	5.2	30
160	The role of T cell receptor beta chain genes in susceptibility to rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 1995 , 38, 91-5		30
159	Strain identification in Rhizobium trifolium using DNA restriction analysis, plasmid DNA profiles and intrinsic antibiotic resistances. <i>FEMS Microbiology Letters</i> , 1985 , 30, 177-182	2.9	30
158	Mechanisms involved in biocontrol by microbial inoculants. <i>Agronomy for Sustainable Development</i> , 1996 , 16, 721-729		30
157	Analogues of Pseudomonas aeruginosa signalling molecules to tackle infections. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 169-179	3.9	29
156	Diversity and bioactive potential of endospore-forming bacteria cultured from the marine sponge Haliclona simulans. <i>Journal of Applied Microbiology</i> , 2012 , 112, 65-78	4.7	29
155	Detection of the Pseudomonas Quinolone Signal (PQS) by cyclic voltammetry and amperometry using a boron doped diamond electrode. <i>Chemical Communications</i> , 2011 , 47, 10347-9	5.8	29
154	An investigation of the impact of biocontrol Pseudomonas fluorescens F113 on the growth of sugarbeet and the performance of subsequent clover-Rhizobium symbiosis. <i>Applied Soil Ecology</i> , 1998 , 7, 225-237	5	29

153	Effect of Bacteriophage on Colonization of Sugarbeet Roots by Fluorescent <i>Pseudomonas</i> spp. <i>Applied and Environmental Microbiology</i> , 1987 , 53, 1164-7	4.8	29
152	Inhibition of co-colonizing cystic fibrosis-associated pathogens by <i>Pseudomonas aeruginosa</i> and <i>Burkholderia multivorans</i> . <i>Microbiology (United Kingdom)</i> , 2014 , 160, 1474-1487	2.9	28
151	Genome-wide investigation of cellular targets and mode of action of the antifungal bacterial metabolite 2,4-diacetylphloroglucinol in <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2013 , 13, 322-341	3.1	28
150	Synthesis of 3-halo-analogues of HHQ, subsequent cross-coupling and first crystal structure of <i>Pseudomonas</i> quinolone signal (PQS). <i>Tetrahedron Letters</i> , 2010 , 51, 5919-5921	2	28
149	Molecular and phenotypic characterization of potential plant growth-promoting <i>Pseudomonas</i> from rice and maize rhizospheres. <i>World Journal of Microbiology and Biotechnology</i> , 2008 , 24, 1877-1884	4.4	28
148	Respiratory pathogens adopt a chronic lifestyle in response to bile. <i>PLoS ONE</i> , 2012 , 7, e45978	3.7	28
147	Isoquercetin and inulin synergistically modulate the gut microbiome to prevent development of the metabolic syndrome in mice fed a high fat diet. <i>Scientific Reports</i> , 2018 , 8, 10100	4.9	27
146	The <i>Pseudomonas fluorescens</i> secondary metabolite 2,4 diacetylphloroglucinol impairs mitochondrial function in <i>Saccharomyces cerevisiae</i> . <i>Antonie Van Leeuwenhoek</i> , 2010 , 97, 261-73	2.1	27
145	Computational prediction of the Crc regulon identifies genus-wide and species-specific targets of catabolite repression control in <i>Pseudomonas</i> bacteria. <i>BMC Microbiology</i> , 2010 , 10, 300	4.5	27
144	A non-classical LysR-type transcriptional regulator PA2206 is required for an effective oxidative stress response in <i>Pseudomonas aeruginosa</i> . <i>PLoS ONE</i> , 2013 , 8, e54479	3.7	27
143	A role for TonB1 in biofilm formation and quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , 2007 , 274, 269-78	2.9	26
142	Induction and regulation of ribulose biphosphate carboxylase activity in <i>Rhizobium japonicum</i> during formate-dependent growth. <i>Archives of Microbiology</i> , 1982 , 131, 51-54	3	26
141	Diversity of Natural Product Biosynthetic Genes in the Microbiome of the Deep Sea Sponges <i>Inflatella pellicula</i> , <i>Poecillastra compressa</i> , and <i>Stelletta normani</i> . <i>Frontiers in Microbiology</i> , 2016 , 7, 1027	5.7	25
140	CRP interacts with promoter-bound sigma54 RNA polymerase and blocks transcriptional activation of the <i>dctA</i> promoter. <i>EMBO Journal</i> , 1998 , 17, 786-96	13	24
139	Residual impact of the biocontrol inoculant <i>Pseudomonas fluorescens</i> F113 on the resident population of rhizobia nodulating a red clover rotation crop. <i>Microbial Ecology</i> , 2003 , 45, 145-55	4.4	24
138	Marine <i>Pseudovibrio</i> sp. as a novel source of antimicrobials. <i>Marine Drugs</i> , 2014 , 12, 5916-29	6	23
137	Epidemiology and clinical impact of <i>Pseudomonas aeruginosa</i> infection in cystic fibrosis using AP-PCR fingerprinting. <i>Journal of Infection</i> , 1998 , 37, 151-8	18.9	23
136	Regulation of iron assimilation: nucleotide sequence analysis of an iron-regulated promoter from a fluorescent pseudomonad. <i>Molecular Genetics and Genomics</i> , 1991 , 228, 1-8		23

135	Derepression of ribulose biphosphate carboxylase activity in <i>Rhizobium meliloti</i> . <i>FEMS Microbiology Letters</i> , 1982 , 14, 95-99	2.9	23
134	<i>Maribacter spongiicola</i> sp. nov. and <i>Maribacter vacoletii</i> sp. nov., isolated from marine sponges, and emended description of the genus <i>Maribacter</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015 , 65, 2097-2103	2.2	23
133	Bile signalling promotes chronic respiratory infections and antibiotic tolerance. <i>Scientific Reports</i> , 2016 , 6, 29768	4.9	22
132	A novel host-responsive sensor mediates virulence and type III secretion during <i>Pseudomonas aeruginosa</i> -host cell interactions. <i>Microbiology (United Kingdom)</i> , 2012 , 158, 1057-1070	2.9	22
131	Isolation, trace enrichment and liquid chromatographic analysis of diacetylphloroglucinol in culture and soil samples using UV and amperometric detection. <i>Journal of Chromatography A</i> , 1992 , 606, 171-177	4.5	22
130	Cyclic 3'-adenosine monophosphate synthesis in <i>Rhizobium</i> : Identification of a cloned sequence from <i>Rhizobium meliloti</i> coding for adenyl cyclase. <i>Molecular Genetics and Genomics</i> , 1983 , 192, 230-234		22
129	Rethinking the bile acid/gut microbiome axis in cancer. <i>Oncotarget</i> , 2017 , 8, 115736-115747	3.3	21
128	Impaired expression of hypoxia-inducible factor-1 in cystic fibrosis airway epithelial cells - a role for HIF-1 in the pathophysiology of CF?. <i>Journal of Cystic Fibrosis</i> , 2011 , 10, 286-90	4.1	21
127	Isolation of a gene (pbsC) required for siderophore biosynthesis in fluorescent <i>Pseudomonas</i> sp. strain M114. <i>Molecular Genetics and Genomics</i> , 1994 , 243, 515-24		21
126	The SPI-1-like Type III secretion system: more roles than you think. <i>Frontiers in Plant Science</i> , 2014 , 5, 34	6.2	20
125	Complex regulation of AprA metalloprotease in <i>Pseudomonas fluorescens</i> M114: evidence for the involvement of iron, the ECF sigma factor, PbrA and pseudobactin M114 siderophore. <i>Microbiology (United Kingdom)</i> , 2006 , 152, 29-42	2.9	20
124	Identification of novel phytase genes from an agricultural soil-derived metagenome. <i>Journal of Microbiology and Biotechnology</i> , 2014 , 24, 113-8	3.3	20
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