Alejandro P Rooney

List of Publications by Year in Descending Order

123 papers	8,472 citations	46 h-index	91 g-index
125 ext. papers	10,564 ext. citations	3.9 avg, IF	6.11 L-index

#	Paper	IF	Citations
123	Repellency and toxicity of a CO-derived cedarwood oil on hard tick species (Ixodidae).. *Experimental and Applied Acarology*, **2022**, 86, 299	2.1	0
122	Methylobacterium segetis sp. nov., a novel member of the family Methylobacteriaceae isolated from soil on Jeju Island. *Archives of Microbiology*, **2020**, 202, 747-754	3	3
121	Discovery and Development of Microbial Biological Control Agents **2019**, 79-92		
120	Peptidoglycan Recognition Proteins (PGRPs) Modulates Mosquito Resistance to Fungal Entomopathogens in a Fungal-Strain Specific Manner. *Frontiers in Cellular and Infection Microbiology* , **2019**, 9, 465	5.9	5
119	Iturinic Lipopeptide Diversity in the Species Group - Important Antifungals for Plant Disease Biocontrol Applications. *Frontiers in Microbiology*, **2019**, 10, 1794	5.7	34
118	Mucilaginibacter terrigena sp. nov. sp., A Novel Member of the Family Sphingobacteriaceae. *Current Microbiology*, **2019**, 76, 1152-1160	2.4	2
117	sp. nov., a novel member of the family. *International Journal of Systematic and Evolutionary Microbiology*, **2019**, 69, 3492-3499	2.2	0
116	Bioactivity of Wild Carrot (Daucus carota, Apiaceae) Essential Oil Against Mosquito Larvae. *Journal of Medical Entomology*, **2019**, 56, 784-789	2.2	11
115	The Aedes aegypti IMD pathway is a critical component of the mosquito antifungal immune response. *Developmental and Comparative Immunology*, **2019**, 95, 1-9	3.2	15
114	Evaluation of a granular formulation containing Metarhizium brunneum F52 (Hypocreales: Clavicipitaceae) microsclerotia in controlling eggs of Aedes aegypti (Diptera: Culicidae). *Biocontrol Science and Technology*, **2019**, 29, 68-82	1.7	3
113	Honeysuckle essential oil as a potential source of ecofriendly larvicides for mosquito control. *Pest Management Science*, **2019**, 75, 2043-2048	4.6	10
112	Nonviable biomass of biocontrol agent Papiliotrema flavescens OH 182.9 3C enhances growth of Fusarium graminearum and counteracts viable biomass reduction of Fusarium head blight. *Biological Control*, **2019**, 128, 48-55	3.8	4
111	Host blood-meal source has a strong impact on gut microbiota of Aedes aegypti. *FEMS Microbiology Ecology*, **2019**, 95,	4.3	33
110	Comparative Analysis of Gut Microbiota of Culex restuans (Diptera: Culicidae) Females From Different Parents. *Journal of Medical Entomology*, **2018**, 55, 163-171	2.2	4
109	Mosquito microbiota cluster by host sampling location. *Parasites and Vectors*, **2018**, 11, 468	4	30
108	Acinetobacter dijkshoorniae is a later heterotypic synonym of Acinetobacter lactucae. *International Journal of Systematic and Evolutionary Microbiology*, **2018**, 68, 131-132	2.2	13
107	Proposed minimal standards for the use of genome data for the taxonomy of prokaryotes. *International Journal of Systematic and Evolutionary Microbiology*, **2018**, 68, 461-466	2.2	1279

106	Marinicella sediminis sp. nov., isolated from marine sediment. *International Journal of Systematic and Evolutionary Microbiology*, **2018**, 68, 2335-2339	2.2	7
105	Ovicidal and Larvicidal Effects of Garlic and Asafoetida Essential Oils Against West Nile Virus Vectors. *Journal of Insect Science*, **2018**, 18,	2	19
104	Entomopathogenic fungal infection leads to temporospatial modulation of the mosquito immune system. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006433	4.8	23
103	Strain-specific pathogenicity and subversion of phenoloxidase activity in the mosquito Aedes aegypti by members of the fungal entomopathogenic genus Isaria. *Scientific Reports*, **2018**, 8, 9896	4.9	12
102	Screening of bacteria for antagonistic activity against phytopathogens of avocados. *Plant Gene*, **2017**, 11, 17-22	3.1	15
101	Assessing the potential for Burkholderia pseudomallei in the southeastern United States. *Journal of the American Veterinary Medical Association*, **2017**, 250, 153-159	1	1
100	Comparative analysis of gut microbiota of mosquito communities in central Illinois. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005377	4.8	70
99	Characterization of Tolypocladium cylindrosporum (Hypocreales: Ophiocordycipitaceae) and Its Impact Against Aedes aegypti and Aedes albopictus Eggs at Low Temperature. *Journal of the American Mosquito Control Association*, **2017**, 33, 184-192	0.9	7
98	Improving Urban Agriculture through Phylogenetically Guided Crop Genome Engineering. *Current Molecular Biology Reports*, **2017**, 3, 205-207	2	
97	Paraliobacillus sediminis sp. nov., isolated from East China sea sediment. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 1577-1581	2.2	4
96	Rhodohalobacter halophilus gen. nov., sp. nov., a moderately halophilic member of the family Balneolaceae. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 1281-1287	2.2	10
95	Salibacter halophilus gen. nov., sp. nov., isolated from a saltern. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 1784-1788	2.2	2
94	Colwellia agarivorans sp. nov., an agar-digesting marine bacterium isolated from coastal seawater. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 1969-1974	2.2	9
93	Bacillus swezeyi sp. nov. and Bacillus haynesii sp. nov., isolated from desert soil. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 2720-2725	2.2	16
92	Gracilimonas halophila sp. nov., isolated from a marine solar saltern. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 3251-3255	2.2	8
91	Chengkuizengella sediminis gen. nov. sp. nov., isolated from sediment. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 2672-2678	2.2	3
90	Association between fertilizer-mediated changes in microbial communities and Aedes albopictus growth and survival. *Acta Tropica*, **2016**, 164, 54-63	3.2	5
89	Invasive Asian Fusarium Euwallacea ambrosia beetle mutualists pose a serious threat to forests, urban landscapes and the avocado industry. *Phytoparasitica*, **2016**, 44, 435-442	1.5	31

88	Diversity of Clostridium perfringens isolates from various sources and prevalence of conjugative plasmids. *Anaerobe*, **2016**, 38, 25-35	2.8	16
87	is not a later heterotypic synonym of ; , subsp. and Rare later heterotypic synonyms of based on phylogenomics. *International Journal of Systematic and Evolutionary Microbiology*, **2016**, 66, 1212-1217	2.2	163
86	Genome analysis shows Bacillus axarquiensis is not a later heterotypic synonym of Bacillus mojavensis; reclassification of Bacillus malacitensis and Brevibacterium halotolerans as heterotypic synonyms of Bacillus axarquiensis. *International Journal of Systematic and Evolutionary Microbiology* , **2016**, 66, 2438-2443	2.2	21
85	Bacillus nakamurai sp. nov., a black-pigment-producing strain. *International Journal of Systematic and Evolutionary Microbiology*, **2016**, 66, 2987-2991	2.2	12
84	Longibacter salinarum gen. nov., sp. nov., isolated from a marine solar saltern. *International Journal of Systematic and Evolutionary Microbiology*, **2016**, 66, 3287-3292	2.2	11
83	Acinetobacter lactucae sp. nov., isolated from iceberg lettuce (Asteraceae: Lactuca sativa). *International Journal of Systematic and Evolutionary Microbiology*, **2016**, 66, 3566-3572	2.2	18
82	Wenzhouxiangella sediminis sp. nov., isolated from coastal sediment. *International Journal of Systematic and Evolutionary Microbiology*, **2016**, 66, 4575-4579	2.2	8
81	Psychroflexus saliphilus sp. nov., isolated from a marine solar saltern. *International Journal of Systematic and Evolutionary Microbiology*, **2016**, 66, 5124-5128	2.2	9
80	Midgut fungal and bacterial microbiota of Aedes triseriatus and Aedes japonicus shift in response to La□Crosse virus infection. *Molecular Ecology*, **2016**, 25, 4075-90	5.7	42
79	Reduction of Fusarium head blight using prothioconazole and prothioconazole-tolerant variants of the Fusarium head blight antagonist Cryptococcus flavescens OH 182.9. *Biological Control*, **2015**, 86, 36-45	3.8	15
78	Genomic analysis of Bacillus subtilis OH 131.1 and co-culturing with Cryptococcus flavescens for control of Fusarium head blight. *Plant Gene*, **2015**, 2, 1-9	3.1	9
77	Phylogenomic analysis shows that Bacillus amyloliquefaciens subsp. plantarum is a later heterotypic synonym of Bacillus methylotrophicus. *International Journal of Systematic and Evolutionary Microbiology*, **2015**, 65, 2104-2109	2.2	59
76	Entomopathogenic fungi as biological control agents for the vector of the laurel wilt disease, the redbay ambrosia beetle, Xyleborus glabratus (Coleoptera: Curculionidae). *Biological Control*, **2015**, 81, 44-50	3.8	44
75	Variable breeding dates among populations of white-tailed deer in the southern United States: The legacy of restocking?. *Journal of Wildlife Management*, **2015**, 79, 1213-1225	1.9	10
74	Discordant phylogenies suggest repeated host shifts in the Fusarium-Euwallacea ambrosia beetle mutualism. *Fungal Genetics and Biology*, **2015**, 82, 277-90	3.9	92
73	Bacillus paralicheniformis sp. nov., isolated from fermented soybean paste. *International Journal of Systematic and Evolutionary Microbiology*, **2015**, 65, 3487-3492	2.2	57
72	Bacillus glycinifermentans sp. nov., isolated from fermented soybean paste. *International Journal of Systematic and Evolutionary Microbiology*, **2015**, 65, 3586-3590	2.2	11
71	Population dynamics of the Fusarium head blight biocontrol agent Cryptococcus flavescens OH 182.9 on wheat anthers and heads. *Biological Control*, **2014**, 70, 17-27	3.8	30

70	Deposition of extreme-tolerant bacterial strains isolated during different phases of Phoenix spacecraft assembly in a public culture collection. *Astrobiology*, **2014**, 14, 24-6	3.7	13
69	Genetic architecture and evolution of the mating type locus in fusaria that cause soybean sudden death syndrome and bean root rot. *Mycologia*, **2014**, 106, 686-97	2.4	23
68	Tangfeifania diversioriginum gen. nov., sp. nov., a representative of the family Draconibacteriaceae. *International Journal of Systematic and Evolutionary Microbiology*, **2014**, 64, 3473-3477	2.2	44
67	Draconibacterium orientale gen. nov., sp. nov., isolated from two distinct marine environments, and proposal of Draconibacteriaceae fam. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2014**, 64, 1690-1696	2.2	114
66	An inordinate fondness for Fusarium: phylogenetic diversity of fusaria cultivated by ambrosia beetles in the genus Euwallacea on avocado and other plant hosts. *Fungal Genetics and Biology*, **2013**, 56, 147-57	3.9	113
65	Fusarium pathogenomics. *Annual Review of Microbiology*, **2013**, 67, 399-416	17.5	294
64	Phylogenetic analyses of RPB1 and RPB2 support a middle Cretaceous origin for a clade comprising all agriculturally and medically important fusaria. *Fungal Genetics and Biology*, **2013**, 52, 20-31	3.9	254
63	One fungus, one name: defining the genus Fusarium in a scientifically robust way that preserves longstanding use. *Phytopathology*, **2013**, 103, 400-8	3.8	155
62	Neiella marina gen. nov., sp. nov., isolated from the sea cucumber Apostichopus japonicus. *International Journal of Systematic and Evolutionary Microbiology*, **2013**, 63, 1597-1601	2.2	4
61	Genome-wide screening and transcriptional profile analysis of desaturase genes in the European corn borer moth. *Insect Science*, **2012**, 19, 55-63	3.6	2
60	Multigene molecular phylogenetics reveals true morels (Morchella) are especially species-rich in China. *Fungal Genetics and Biology*, **2012**, 49, 455-69	3.9	75
59	Phylogenetic diversity of insecticolous fusaria inferred from multilocus DNA sequence data and their molecular identification via FUSARIUM-ID and Fusarium MLST. *Mycologia*, **2012**, 104, 427-45	2.4	126
58	The birth-and-death evolution of multigene families revisited. *Genome Dynamics*, **2012**, 7, 170-96		79
57	How well do ITS rDNA sequences differentiate species of true morels (Morchella)?. *Mycologia*, **2012**, 104, 1351-68	2.4	39
56	Phylogeny and historical biogeography of true morels (Morchella) reveals an early Cretaceous origin and high continental endemism and provincialism in the Holarctic. *Fungal Genetics and Biology*, **2011**, 48, 252-65	3.9	88
55	Selection of Biocontrol Agents of Pink Rot Based on Efficacy and Growth Kinetics Index Rankings. *Plant Disease*, **2011**, 95, 24-30	1.5	4
54	Phylogenetic analysis of Bacillus subtilis strains applicable to natto (fermented soybean) production. *Applied and Environmental Microbiology*, **2011**, 77, 6463-9	4.8	77
53	Peptoniphilus methioninivorax sp. nov., a Gram-positive anaerobic coccus isolated from retail ground beef. *International Journal of Systematic and Evolutionary Microbiology*, **2011**, 61, 1962-1967	2.2	22

52	Pheromone emergencies and drifting moth genomes. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 8069-70	11.5	2
51	Agarivorans gilvus sp. nov. isolated from seaweed. *International Journal of Systematic and Evolutionary Microbiology*, **2011**, 61, 493-496	2.2	21
50	Corynebacterium marinum sp. nov. isolated from coastal sediment. *International Journal of Systematic and Evolutionary Microbiology*, **2010**, 60, 1944-1947	2.2	18
49	Ecology of speciation in the genus Bacillus. *Applied and Environmental Microbiology*, **2010**, 76, 1349-58	4.8	80
48	Conservation Genetics of the Threatened Bayou Darter (Percidae: Etheostoma rubrum) in the Bayou Pierre System of Southwestern Mississippi. *Copeia*, **2010**, 2010, 176-180	1.1	1
47	Phenotypic and genotypic characterization of tetracycline and minocycline resistance in Clostridium perfringens. *Archives of Microbiology*, **2010**, 192, 803-10	3	16
46	Evolution of trappin genes in mammals. *BMC Evolutionary Biology*, **2010**, 10, 31	3	7
45	Isolation and characterization of rhamnolipid-producing bacterial strains from a biodiesel facility. *FEMS Microbiology Letters*, **2009**, 295, 82-7	2.9	80
44	Evolution of moth sex pheromone desaturases. *Annals of the New York Academy of Sciences*, **2009**, 1170, 506-10	6.5	4
43	Microbial diversity in chronic open wounds. *Wound Repair and Regeneration*, **2009**, 17, 163-72	3.6	83
42	Phylogeny and molecular taxonomy of the Bacillus subtilis species complex and description of Bacillus subtilis subsp. inaquosorum subsp. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2009**, 59, 2429-36	2.2	131
41	Description of Rummeliibacillus stabekisii gen. nov., sp. nov. and reclassification of Bacillus pycnus Nakamura et al. 2002 as Rummeliibacillus pycnus comb. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2009**, 59, 1094-9	2.2	44
40	Identifying the fundamental units of bacterial diversity: a paradigm shift to incorporate ecology into bacterial systematics. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 2504-9	11.5	248
39	An adaptive evolutionary shift in Fusarium head blight pathogen populations is driving the rapid spread of more toxigenic Fusarium graminearum in North America. *Fungal Genetics and Biology*, **2008**, 45, 473-84	3.9	348
38	Identification, biochemical characterization, and evolution of the Rhizopus oryzae 99-880 polygalacturonase gene family. *Fungal Genetics and Biology*, **2008**, 45, 1616-24	3.9	16
37	Birth-and-death evolution of the internalin multigene family in Listeria. *Gene*, **2008**, 427, 124-8	3.8	13
36	Conversion of lesquerolic acid to 14-oxo-11(Z)-eicosenoic acid by genetically variable Sphingobacterium multivorum strains. *Current Microbiology*, **2008**, 57, 55-60	2.4	
35	Novel sex pheromone desaturases in the genomes of corn borers generated through gene duplication and retroposon fusion. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 4467-72	11.5	49

34	Mass spectrometric analysis of lipopeptides from Bacillus strains isolated from diverse geographical locations. *FEMS Microbiology Letters*, **2007**, 271, 83-9	2.9	78
33	Production of 14-Oxo-cis-11-eicosenoic Acid from Lesquerolic Acid by Sphingobacterium multivorum NRRL B-23212. *JAOCS, Journal of the American Oil Chemists' Society*, **2007**, 84, 639-643	1.8	1
32	Characterization of a novel gene for strain typing reveals substructuring of Aspergillus fumigatus across North America. *Eukaryotic Cell*, **2007**, 6, 1392-9		52
31	Analysis of core housekeeping and virulence genes reveals cryptic lineages of Clostridium perfringens that are associated with distinct disease presentations. *Genetics*, **2006**, 172, 2081-92	4	32
30	Identifying the Fundamental Units of Diversity Among Bacillus Isolates From "Evolution Canyon" III. *Israel Journal of Ecology and Evolution*, **2006**, 52, 543-552	0.8	4
29	Purification and characterization of a family 5 endoglucanase from a moderately thermophilic strain of Bacillus licheniformis. *Biotechnology Letters*, **2006**, 28, 1761-5	3	74
28	Concerted and birth-and-death evolution of multigene families. *Annual Review of Genetics*, **2005**, 39, 121-52	14.5	935
27	Bacterial species diversity in cigarettes linked to an investigation of severe pneumonitis in U.S. Military personnel deployed in operation iraqi freedom. *Current Microbiology*, **2005**, 51, 46-52	2.4	29
26	Evaluation of microbial strains for linoleic acid hydroxylation and reclassification of strain ALA2. *Antonie Van Leeuwenhoek*, **2005**, 88, 167-71	2.1	12
25	Evolution of a large ribosomal RNA multigene family in filamentous fungi: birth and death of a concerted evolution paradigm. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 5084-9	11.5	149
24	Lactobacillus arizonensis is a later heterotypic synonym of Lactobacillus plantarum. *International Journal of Systematic and Evolutionary Microbiology*, **2005**, 55, 2485-2489	2.2	21
23	Mechanisms underlying the evolution and maintenance of functionally heterogeneous 18S rRNA genes in Apicomplexans. *Molecular Biology and Evolution*, **2004**, 21, 1704-11	8.3	82
22	Prion protein gene (PRNP) variants and evidence for strong purifying selection in functionally important regions of bovine exon 3. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 15142-7	11.5	46
21	Desaturases from the spotted fireworm moth (Choristoneura parallela) shed light on the evolutionary origins of novel moth sex pheromone desaturases. *Gene*, **2004**, 342, 303-11	3.8	57
20	Expression and evolution of delta9 and delta11 desaturase genes in the moth Spodoptera littoralis. *Insect Biochemistry and Molecular Biology*, **2004**, 34, 1315-28	4.5	31
19	Molecular genetics and evolution of pheromone biosynthesis in Lepidoptera. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 9179-84	11.5	147
18	Molecular evolution and phylogeny of elapid snake venom three-finger toxins. *Journal of Molecular Evolution*, **2003**, 57, 110-29	3.1	277
17	Selection for highly biased amino acid frequency in the TolA cell envelope protein of Proteobacteria. *Journal of Molecular Evolution*, **2003**, 57, 731-6	3.1	12

16	Genetic consequences of white-tailed deer (Odocoileus virginianus) restoration in Mississippi. *Molecular Ecology*, **2003**, 12, 3237-52	5.7	77
15	Molecular genetics and evolution of pheromone biosynthesis in Lepidoptera. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 14599	11.5	53
14	Evolution of moth sex pheromones via ancestral genes. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 13621-6	11.5	276
13	Purifying selection and birth-and-death evolution in the histone H4 gene family. *Molecular Biology and Evolution*, **2002**, 19, 689-97	8.3	79
12	Molecular evolution of the nontandemly repeated genes of the histone 3 multigene family. *Molecular Biology and Evolution*, **2002**, 19, 68-75	8.3	75
11	Genomic organization of mouse and human 65 kDa FK506-binding protein genes and evolution of the FKBP multigene family. *Genomics*, **2002**, 79, 881-9	4.3	29
10	Historical population size change of bowhead whales inferred from DNA sequence polymorphism data. *Evolution; International Journal of Organic Evolution*, **2001**, 55, 1678-85	3.8	62
9	HISTORICAL POPULATION SIZE CHANGE OF BOWHEAD WHALES INFERRED FROM DNA SEQUENCE POLYMORPHISM DATA. *Evolution; International Journal of Organic Evolution*, **2001**, 55, 1678	3.8	5
8	Microsatellites from the South American coruro, Spalacopus cyanus. *Molecular Ecology*, **2000**, 9, 1447-9	5.7	14
7	An unusual form of purifying selection in a sperm protein. *Molecular Biology and Evolution*, **2000**, 17, 278-83	8.3	58
6	Origins and divergence times of mammalian class II MHC gene clusters. *Journal of Heredity*, **2000**, 91, 198-204	2.4	64
5	Microsatellite diversity in captive bottlenose dolphins (Tursiops truncatus). *Journal of Heredity*, **1999**, 90, 228-31	2.4	49
4	Evaluating a putative bottleneck in a population of bowhead whales from patterns of microsatellite diversity and genetic disequilibria. *Journal of Molecular Evolution*, **1999**, 49, 682-90	3.1	49
3	Phylogenetic relationships among cetartiodactyls based on insertions of short and long interpersed elements: hippopotamuses are the closest extant relatives of whales. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 10261-6	11.5	336
2	Rapid evolution of a primate sperm protein: relaxation of functional constraint or positive Darwinian selection?. *Molecular Biology and Evolution*, **1999**, 16, 706-10	8.3	94
1	Inferring species trees from gene trees: a phylogenetic analysis of the Elapidae (Serpentes) based on the amino acid sequences of venom proteins. *Molecular Phylogenetics and Evolution*, **1997**, 8, 349-62	4.1	110