

# Atsushi Nakabachi

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

5,015  
citations

361413

20  
h-index

501196

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

4905  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomics and Evolution of Heritable Bacterial Symbionts. <i>Annual Review of Genetics</i> , 2008, 42, 165-190.	7.6	1,460
2	Genome Sequence of the Pea Aphid <i>Acyrtosiphon pisum</i> . <i>PLoS Biology</i> , 2010, 8, e1000313.	5.6	913
3	The 160-Kilobase Genome of the Bacterial Endosymbiont <i>Carsonella</i> . <i>Science</i> , 2006, 314, 267-267.	12.6	501
4	Immunity and other defenses in pea aphids, <i>Acyrtosiphon pisum</i> . <i>Genome Biology</i> , 2010, 11, R21.	9.6	389
5	Defensive Bacteriome Symbiont with a Drastically Reduced Genome. <i>Current Biology</i> , 2013, 23, 1478-1484.	3.9	314
6	Transcriptome analysis of the aphid bacteriocyte, the symbiotic host cell that harbors an endocellular mutualistic bacterium, <i>Buchnera</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5477-5482.	7.1	212
7	Parallel Histories of Horizontal Gene Transfer Facilitated Extreme Reduction of Endosymbiont Genomes in Sap-Feeding Insects. <i>Molecular Biology and Evolution</i> , 2014, 31, 857-871.	8.9	180
8	Bacterial Genes in the Aphid Genome: Absence of Functional Gene Transfer from <i>Buchnera</i> to Its Host. <i>PLoS Genetics</i> , 2010, 6, e1000827.	3.5	164
9	Aphids acquired symbiotic genes via lateral gene transfer. <i>BMC Biology</i> , 2009, 7, 12.	3.8	151
10	Provision of riboflavin to the host aphid, <i>Acyrtosiphon pisum</i> , by endosymbiotic bacteria, <i>Buchnera</i> . <i>Journal of Insect Physiology</i> , 1999, 45, 1-6.	2.0	126
11	Large-scale gene discovery in the pea aphid <i>Acyrtosiphon pisum</i> (Hemiptera). <i>Genome Biology</i> , 2006, 7, R21.	9.6	123
12	Aphid gene of bacterial origin encodes a protein transported to an obligate endosymbiont. <i>Current Biology</i> , 2014, 24, R640-R641.	3.9	98
13	Horizontal Gene Acquisition of <i>Liberibacter</i> Plant Pathogens from a Bacteriome-Confined Endosymbiont of Their Psyllid Vector. <i>PLoS ONE</i> , 2013, 8, e82612.	2.5	46
14	Behavior of bacteriome symbionts during transovarial transmission and development of the Asian citrus psyllid. <i>PLoS ONE</i> , 2017, 12, e0189779.	2.5	39
15	Comparative Genomics Underlines Multiple Roles of <i>Proffttella</i> , an Obligate Symbiont of Psyllids: Providing Toxins, Vitamins, and Carotenoids. <i>Genome Biology and Evolution</i> , 2020, 12, 1975-1987.	2.5	39
16	Horizontal gene transfers in insects. <i>Current Opinion in Insect Science</i> , 2015, 7, 24-29.	4.4	35
17	Extraordinary proliferation of microorganisms in aposymbiotic pea aphids, <i>Acyrtosiphon pisum</i> . <i>Journal of Invertebrate Pathology</i> , 2003, 82, 152-161.	3.2	34
18	Differential Display of mRNAs Related to Amino Acid Metabolism in the Endosymbiotic System of Aphids. <i>Insect Biochemistry and Molecular Biology</i> , 1997, 27, 1057-1062.	2.7	30

#	ARTICLE	IF	CITATIONS
19	Diaphorin, a polyketide synthesized by an intracellular symbiont of the Asian citrus psyllid, is potentially harmful for biological control agents. <i>PLoS ONE</i> , 2019, 14, e0216319.	2.5	30
20	Genome size of <i>Pachypsylla venusta</i> (Hemiptera: Psyllidae) and the ploidy of its bacteriocyte, the symbiotic host cell that harbors intracellular mutualistic bacteria with the smallest cellular genome. <i>Bulletin of Entomological Research</i> , 2010, 100, 27-33.	1.0	25
21	16S rRNA Sequencing Detected <i>Proffella</i> , <i>Liberibacter</i> , <i>Wolbachia</i> , and <i>Diplorickettsia</i> from Relatives of the Asian Citrus Psyllid. <i>Microbial Ecology</i> , 2020, 80, 410-422.	2.8	24
22	Diaphorin, a polyketide produced by a bacterial symbiont of the Asian citrus psyllid, kills various human cancer cells. <i>PLoS ONE</i> , 2019, 14, e0218190.	2.5	17
23	Microbiome analyses of 12 psyllid species of the family Psyllidae identified various bacteria including <i>Fukatsua</i> and <i>Serratia symbiotica</i> , known as secondary symbionts of aphids. <i>BMC Microbiology</i> , 2022, 22, 15.	3.3	17
24	Concentration and distribution of diaphorin, and expression of diaphorin synthesis genes during Asian citrus psyllid development. <i>Journal of Insect Physiology</i> , 2019, 118, 103931.	2.0	16
25	Polyamine Composition and Expression of Genes Related to Polyamine Biosynthesis in an Aphid Endosymbiont, <i>Buchnera</i> . <i>Applied and Environmental Microbiology</i> , 2000, 66, 3305-3309.	3.1	12
26	Extreme Polyploidy of <i>Carsonella</i> , an Organelle-Like Bacterium with a Drastically Reduced Genome. <i>Microbiology Spectrum</i> , 2022, 10, e0035022.	3.0	9
27	Expression of host S-adenosylmethionine decarboxylase gene and polyamine composition in aphid bacteriocytes. <i>Insect Biochemistry and Molecular Biology</i> , 2001, 31, 491-496.	2.7	8
28	Changes in citrate concentration in the mouse uterus with experimentally-induced adenomyosis. <i>Life Sciences</i> , 1995, 58, 397-403.	4.3	3