Abdelaziz Heddi

List of Publications by Year
in descending order

34 papers	2,391 citations	236925 25 h-index	377865 34 g-index
38 all docs	38 docs citations	38 times ranked	1752 citing authors

#	Article	IF	Citations
1	Antimicrobial Peptides Keep Insect Endosymbionts Under Control. Science, 2011, 334, 362-365.	12.6	343
2	Genome Degeneration and Adaptation in a Nascent Stage of Symbiosis. Genome Biology and Evolution, 2014, 6, 76-93.	2.5	200
3	Endosymbiont Phylogenesis in the Dryophthoridae Weevils: Evidence for Bacterial Replacement. Molecular Biology and Evolution, 2004, 21, 965-973.	8.9	182
4	Insects Recycle Endosymbionts when the Benefit Is Over. Current Biology, 2014, 24, 2267-2273.	3.9	182
5	Molecular Characterization of the Principal Symbiotic Bacteria of the Weevil Sitophilus oryzae: A Peculiar G + C Content of an Endocytobiotic DNA. Journal of Molecular Evolution, 1998, 47, 52-61.	1.8	126
6	Long-Term Evolutionary Stability of Bacterial Endosymbiosis in Curculionoidea: Additional Evidence of Symbiont Replacement in the Dryophthoridae Family. Molecular Biology and Evolution, 2008, 25, 859-868.	8.9	120
7	Identification of the Weevil immune genes and their expression in the bacteriome tissue. BMC Biology, 2008, 6, 43.	3.8	114
8	Tissue distribution and transmission routes for the tsetse fly endosymbionts. Journal of Invertebrate Pathology, 2013, 112, S116-S122.	3.2	102
9	<i>Alnus</i> peptides modify membrane porosity and induce the release of nitrogen-rich metabolites from nitrogen-fixing <i>Frankia</i>. ISME Journal, 2015, 9, 1723-1733.	9.8	79
10	Host PGRP Gene Expression and Bacterial Release in Endosymbiosis of the Weevil Sitophilus zeamais. Applied and Environmental Microbiology, 2006, 72, 6766-6772.	3.1	78
11	Direct flow cytometry measurements reveal a fine-tuning of symbiotic cell dynamics according to the host developmental needs in aphid symbiosis. Scientific Reports, 2016, 6, 19967.	3.3	71
12	An IMD-like pathway mediates both endosymbiont control and host immunity in the cereal weevil Sitophilus spp.. Microbiome, 2018, 6, 6.	11.1	62
13	Comparative Genomics of Insect-Symbiotic Bacteria: Influence of Host Environment on Microbial Genome Composition. Applied and Environmental Microbiology, 2003, 69, 6825-6832.	3.1	59
14	Spatial and morphological reorganization of endosymbiosis during metamorphosis accommodates adult metabolic requirements in a weevil. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19347-19358.	7.1	58
15	Weevil<i>pgrp-lb</i>prevents endosymbiont TCT dissemination and chronic host systemic immune activation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5623-5632.	7.1	56
16	Molecular and cellular profiles of insect bacteriocytes: mutualism and harm at the initial evolutionary step of symbiogenesis. Cellular Microbiology, 2005, 7, 293-305.	2.1	51
17	A Molecular Aspect of Symbiotic Interactions between the WeevilSitophilus oryzaeand Its Endosymbiotic Bacteria: Over-expression of a Chaperonin. Biochemical and Biophysical Research Communications, 1997, 239, 769-774.	2.1	47
18	Host gene response to endosymbiont and pathogen in the cereal weevil Sitophilus oryzae. BMC Microbiology, 2012, 12, S14.	3.3	42

#	ARTICLE	IF	CITATIONS
19	The transposable element-rich genome of the cereal pest Sitophilus oryzae. BMC Biology, 2021, 19, 241.	3.8	40
20	What can a weevil teach a fly, and reciprocally? Interaction of host immune systems with endosymbionts in Glossina and Sitophilus. BMC Microbiology, 2018, 18, 150.	3.3	39
21	A putative insect intracellular endosymbiont stem clade, within the Enterobacteriaceae, infered from phylogenetic analysis based on a heterogeneous model of DNA evolution. Comptes Rendus De L'AcadÃ©mie Des Sciences SÃ©rie 3, Sciences De La Vie, 2001, 324, 489-494.	0.8	38
22	Massive presence of insertion sequences in the genome of SOPE, the primary endosymbiont of the rice weevil Sitophilus oryzae. International Microbiology, 2008, 11, 41-8.	2.4	38
23	Systemic Infection Generates a Local-Like Immune Response of the Bacteriome Organ in Insect Symbiosis. Journal of Innate Immunity, 2015, 7, 290-301.	3.8	37
24	Antimicrobial peptides and cell processes tracking endosymbiont dynamics. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150298.	4.0	36
25	Steady state levels of mitochondrial and nuclear oxidative phosphorylation transcripts in Kearns-Sayre syndrome. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1994, 1226, 206-212.	3.8	32
26	Insect immune system maintains long-term resident bacteria through a local response. Journal of Insect Physiology, 2013, 59, 232-239.	2.0	32
27	Weevil endosymbiont dynamics is associated with a clamping of immunity. BMC Genomics, 2015, 16, 819.	2.8	30
28	Intracellular bacterial symbiosis in the genus Sitophilus: the â€˜biological individualâ€™ concept revisited. Research in Microbiology, 2001, 152, 431-437.	2.1	20
29	Endosymbiosis as a source of immune innovation. Comptes Rendus - Biologies, 2018, 341, 290-296.	0.2	20
30	RNAi in the cereal weevil Sitophilusspp: Systemic gene knockdown in the bacteriome tissue. BMC Biotechnology, 2009, 9, 44.	3.3	19
31	Physiological effects of major up-regulated Alnus glutinosa peptides on Frankia sp. ACN14a. Microbiology (United Kingdom), 2016, 162, 1173-1184.	1.8	13
32	Endosymbiosis morphological reorganization during metamorphosis diverges in weevils. Communicative and Integrative Biology, 2020, 13, 184-188.	1.4	8
33	Effects of symbiotic status on cellular immunity dynamics in Sitophilus oryzae. Developmental and Comparative Immunology, 2017, 77, 259-269.	2.3	5
34	PGRP-LB: An Inside View into the Mechanism of the Amidase Reaction. International Journal of Molecular Sciences, 2021, 22, 4957.	4.1	5