Morena Casartelli

List of Publications by Year
in descending order

51 papers	1,817 citations	279798 23 h-index	289244 40 g-index
52 all docs	52 docs citations	52 times ranked	4192 citing authors

#	Article	IF	Citations
1	A hungry need for knowledge on the black soldier fly digestive system. Journal of Insects As Food and Feed, 2022, 8, 217-222.	3.9	11
2	The Early Season Community of Flower-Visiting Arthropods in a High-Altitude Alpine Environment. Insects, 2022, 13, 393.	2.2	5
3	Mechanical Processing of Hermetia illucens Larvae and Bombyx mori Pupae Produces Oils with Antimicrobial Activity. Animals, 2021, 11, 783.	2.3	30
4	Insights Into the Immune Response of the Black Soldier Fly Larvae to Bacteria. Frontiers in Immunology, 2021, 12, 745160.	4.8	15
5	Black Soldier Fly Larvae Adapt to Different Food Substrates through Morphological and Functional Responses of the Midgut. International Journal of Molecular Sciences, 2020, 21, 4955.	4.1	51
6	An in-depth description of head morphology and mouthparts in larvae of the black soldier fly Hermetia illucens. Arthropod Structure and Development, 2020, 58, 100969.	1.4	18
7	Manual Sampling and Video Observations: An Integrated Approach to Studying Flower-Visiting Arthropods in High-Mountain Environments. Insects, 2020, 11, 881.	2.2	6
8	Ingestion and effects of polystyrene nanoparticles in the silkworm Bombyx mori. Chemosphere, 2020, 257, 127203.	8.2	25
9	Estimating black soldier fly larvae biowaste conversion performance by simulation of midgut digestion. Waste Management, 2020, 112, 40-51.	7.4	24
10	The amazing complexity of insect midgut cells: types, peculiarities, and functions. Cell and Tissue Research, 2019, 377, 505-525.	2.9	79
11	Metagenome-Sourced Microbial Chitinases as Potential Insecticide Proteins. Frontiers in Microbiology, 2019, 10, 1358.	3.5	32
12	Cell death during complete metamorphosis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190065.	4.0	55
13	A First Attempt to Produce Proteins from Insects by Means of a Circular Economy. Animals, 2019, 9, 278.	2.3	69
14	The digestive system of the adult Hermetia illucens (Diptera: Stratiomyidae): morphological features and functional properties. Cell and Tissue Research, 2019, 378, 221-238.	2.9	45
15	Structural and Functional Characterization of Hermetia illucens Larval Midgut. Frontiers in Physiology, 2019, 10, 204.	2.8	76
16	The Intestinal Microbiota of Hermetia illucens Larvae Is Affected by Diet and Shows a Diverse Composition in the Different Midgut Regions. Applied and Environmental Microbiology, 2019, 85, .	3.1	134
17	Methods for Monitoring Autophagy in Silkworm Organs. Methods in Molecular Biology, 2018, 1854, 159-174.	0.9	1
18	Microbial and viral chitinases: Attractive biopesticides for integrated pest management. Biotechnology Advances, 2018, 36, 818-838.	11.7	107

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19	Effects of <i>Trichoderma viride</i> chitinases on the peritrophic matrix of Lepidoptera. Pest Management Science, 2016, 72, 980-989.	3.4	58
20	Midgut epithelium in molting silkworm: A fine balance among cell growth, differentiation, and survival. Arthropod Structure and Development, 2016, 45, 368-379.	1.4	20
21	Midgut microbiota and host immunocompetence underlie <i>Bacillus thuringiensis</i> killing mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9486-9491.	7.1	144
22	Roles and regulation of autophagy and apoptosis in the remodelling of the lepidopteran midgut epithelium during metamorphosis. Scientific Reports, 2016, 6, 32939.	3.3	57
23	The midgut of the silkmoth Bombyx mori is able to recycle molecules derived from degeneration of the larval midgut epithelium. Cell and Tissue Research, 2015, 361, 509-528.	2.9	53
24	New synthesis and biological evaluation of uniflorine A derivatives: towards specific insect trehalase inhibitors. Organic and Biomolecular Chemistry, 2015, 13, 886-892.	2.8	16
25	A Virulence Factor Encoded by a Polydnavirus Confers Tolerance to Transgenic Tobacco Plants against Lepidopteran Larvae, by Impairing Nutrient Absorption. PLoS ONE, 2014, 9, e113988.	2.5	16
26	Functional analysis of an immune gene of Spodoptera littoralis by RNAi. Journal of Insect Physiology, 2014, 64, 90-97.	2.0	40
27	Densovirus Crosses the Insect Midgut by Transcytosis and Disturbs the Epithelial Barrier Function. Journal of Virology, 2013, 87, 12380-12391.	3.4	37
28	Four Amino Acids of an Insect Densovirus Capsid Determine Midgut Tropism and Virulence. Journal of Virology, 2012, 86, 5937-5941.	3.4	15
29	Functional analysis of a fatty acid binding protein produced by Aphidius ervi teratocytes. Journal of Insect Physiology, 2012, 58, 621-627.	2.0	28
30	Autophagy precedes apoptosis during the remodeling of silkworm larval midgut. Apoptosis: an International Journal on Programmed Cell Death, 2012, 17, 305-324.	4.9	140
31	The CPP Tat enhances eGFP cell internalization and transepithelial transport by the larval midgut of Bombyx mori (Lepidoptera, Bombycidae). Journal of Insect Physiology, 2011, 57, 1689-1697.	2.0	15
32	Leucine transport by the larval midgut of the parasitoid Aphidius ervi (Hymenoptera). Journal of Insect Physiology, 2010, 56, 165-169.	2.0	4
33	Proctolin affects gut functions in lepidopteran larvae. Journal of Applied Entomology, 2010, 134, 745-753.	1.8	5
34	A viral chitinase enhances oral activity of TMOF. Insect Biochemistry and Molecular Biology, 2010, 40, 533-540.	2.7	17
35	The intestinal barrier in lepidopteran larvae: Permeability of the peritrophic membrane and of the midgut epithelium to two biologically active peptides. Journal of Insect Physiology, 2009, 55, 10-18.	2.0	21
36	A megalin-like receptor is involved in protein endocytosis in the midgut of an insect (<i>Bombyx) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Physiology, 2008, 295, R1290-R1300.	1.8	18

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37	Unexpected similarity of intestinal sugar absorption by SGLT1 and apical GLUT2 in an insect (Aphidius) Tj ETQq1 1 0.784314 rgBT /Overl Comparative Physiology, 2007, 292, R2284-R2291.	1.8	42
38	Absorption of horseradish peroxidase in Bombyx mori larval midgut. Journal of Insect Physiology, 2007, 53, 517-525.	2.0	13
39	Programmed cell death and stem cell differentiation are responsible for midgut replacement in Heliothis virescens during prepupal instar. Cell and Tissue Research, 2007, 330, 345-359.	2.9	91
40	The paracellular pathway in the lepidopteran larval midgut: Modulation by intracellular mediators. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2006, 144, 464-473.	1.8	17
41	Absorption of albumin by the midgut of a lepidopteran larva. Journal of Insect Physiology, 2005, 51, 933-940.	2.0	37
42	Nutrient absorption by Aphidius ervi larvae. Journal of Insect Physiology, 2005, 51, 1183-1192.	2.0	27
43	Absorption of sugars and amino acids by the epidermis of Aphidius ervi larvae. Journal of Insect Physiology, 2003, 49, 1115-1124.	2.0	28
44	Leucine methyl ester is a powerful allosteric activator of the neutral amino acid cotransport system in Bombyx mori larval midgut. Insect Biochemistry and Molecular Biology, 2002, 32, 719-727.	2.7	2
45	A novel regulatory mechanism for amino acid absorption in lepidopteran larval midgut. Journal of Insect Physiology, 2002, 48, 585-592.	2.0	7
46	Multiple transport pathways for dibasic amino acids in the larval midgut of the silkworm Bombyx mori. Insect Biochemistry and Molecular Biology, 2001, 31, 621-632.	2.7	17
47	Role of specific activators of intestinal amino acid transport inBombyx mori larval growth and nutrition. Archives of Insect Biochemistry and Physiology, 2001, 48, 190-198.	1.5	8
48	Modulation of leucine absorption in the larval midgut of Bombyx mori (Lepidoptera, Bombycidae). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2001, 129, 665-672.	1.8	5
49	Substrate specificity of the brush border K+-leucine symport of Bombyx mori larval midgut. Insect Biochemistry and Molecular Biology, 2000, 30, 243-252.	2.7	15
50	Modification of the nutritional parameters and of midgut biochemical and absorptive functions induced by the IGR fenoxycarb inBombyx mori larvae. , 1998, 39, 18-35.		10
51	Bacillus thuringiensis CrylAa Î´-Endotoxin Affects the K + /Amino Acid Symport in Bombyx mori Larval Midgut. Journal of Membrane Biology, 1997, 159, 209-217.	2.1	11