

Annalisa Grimaldi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6825812/publications.pdf>

Version: 2024-02-01

108
papers

2,482
citations

201385

27
h-index

264894

42
g-index

111
all docs

111
docs citations

111
times ranked

5026
citing authors

#	ARTICLE	IF	CITATIONS
1	Autophagy precedes apoptosis during the remodeling of silkworm larval midgut. Apoptosis: an International Journal on Programmed Cell Death, 2012, 17, 305-324.	2.2	140
2	Programmed cell death and stem cell differentiation are responsible for midgut replacement in <i>Heliothis virescens</i> during prepupal instar. Cell and Tissue Research, 2007, 330, 345-359.	1.5	91
3	Butyrate and taurine exert a mitigating effect on the inflamed distal intestine of European sea bass fed with a high percentage of soybean meal. Fisheries and Aquatic Sciences, 2016, 19, .	0.3	80
4	Expression pattern analysis of odorant-binding proteins in the pea aphid <i>Acyrtosiphon pisum</i> . Insect Science, 2015, 22, 220-234.	1.5	74
5	Hedgehog regulation of superficial slow muscle fibres in <i>Xenopus</i> and the evolution of tetrapod trunk myogenesis. Development (Cambridge), 2004, 131, 3249-3262.	1.2	66
6	Characterization of the Î²B-like gene family in polydnaviruses associated with wasps belonging to different Braconid subfamilies. Journal of General Virology, 2007, 88, 92-104.	1.3	66
7	Microenvironmental control of malignancy exerted by RNASET2, a widely conserved extracellular RNase. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1104-1109.	3.3	62
8	The multifunctional role of fibroblasts during wound healing in <i>Hirudo medicinalis</i> (Annelida,). Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	0.7	60
9	Functional arrangement of rat diaphragmatic initial lymphatic network. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H876-H885.	1.5	58
10	<i>Aphidius ervi</i> teratocytes release an extracellular enolase. Insect Biochemistry and Molecular Biology, 2009, 39, 801-813.	1.2	54
11	Antibiotic treatment-induced dysbiosis differently affects BDNF and TrkB expression in the brain and in the gut of juvenile mice. PLoS ONE, 2019, 14, e0212856.	1.1	54
12	The midgut of the silkworm <i>Bombyx mori</i> is able to recycle molecules derived from degeneration of the larval midgut epithelium. Cell and Tissue Research, 2015, 361, 509-528.	1.5	53
13	Autophagy in Invertebrates: Insights Into Development, Regeneration and Body Remodeling. Current Pharmaceutical Design, 2008, 14, 116-125.	0.9	52
14	Larval anatomy and structure of absorbing epithelia in the aphid parasitoid <i>Aphidius ervi</i> Haliday (Hymenoptera, Braconidae). Arthropod Structure and Development, 2001, 30, 27-37.	0.8	46
15	The digestive system of the adult <i>Hermetia illucens</i> (Diptera: Stratiomyidae): morphological features and functional properties. Cell and Tissue Research, 2019, 378, 221-238.	1.5	45
16	Loss of function of Ribonuclease T2, an ancient and phylogenetically conserved RNase, plays a crucial role in ovarian tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8140-8145.	3.3	43
17	Systemic distribution of single-walled carbon nanotubes in a novel model: alteration of biochemical parameters, metabolic functions, liver accumulation, and inflammation in vivo. International Journal of Nanomedicine, 2016, Volume 11, 4299-4316.	3.3	43
18	Functional amyloids in insect immune response. Insect Biochemistry and Molecular Biology, 2012, 42, 203-211.	1.2	42

#	ARTICLE	IF	CITATIONS
19	Growth Factors and Chemokines: A Comparative Functional Approach Between Invertebrates and Vertebrates. <i>Current Medicinal Chemistry</i> , 2006, 13, 2737-2750.	1.2	39
20	Lepidopteran Larval Midgut During Prepupal Instar: Digestion or Self-Digestion?. <i>Autophagy</i> , 2007, 3, 630-631.	4.3	38
21	CD31+ Extracellular Vesicles From Patients With Type 2 Diabetes Shuttle a miRNA Signature Associated With Cardiovascular Complications. <i>Diabetes</i> , 2021, 70, 240-254.	0.3	38
22	Changes in hyaluronan deposition in the rat myenteric plexus after experimentally-induced colitis. <i>Scientific Reports</i> , 2017, 7, 17644.	1.6	37
23	Structural and biochemical analysis of the parasite <i>Gordius villoti</i> (Nematomorpha, Gordiacea) cuticle.. <i>Tissue and Cell</i> , 2000, 32, 366-376.	1.0	33
24	Vascular endothelial growth factor is involved in neangiogenesis in <i>Hirudo medicinalis</i> (Annelida,) <i>Tissue and Cell</i> , 2000, 32, 366-376.	1.4	33
25	Lipopolysaccharide-dependent induction of leech leukocytes that cross-react with vertebrate cellular differentiation markers. <i>Tissue and Cell</i> , 2000, 32, 437-445.	1.0	31
26	A <i>hedgehog</i> homolog is involved in muscle formation and organization of <i>Sepia officinalis</i> (mollusca) mantle. <i>Developmental Dynamics</i> , 2008, 237, 659-671.	0.8	29
27	Sensilla Morphology and Complex Expression Pattern of Odorant Binding Proteins in the Vetch Aphid <i>Megoura viciae</i> (Hemiptera: Aphididae). <i>Frontiers in Physiology</i> , 2018, 9, 777.	1.3	29
28	Absorption of sugars and amino acids by the epidermis of <i>Aphidius ervi</i> larvae. <i>Journal of Insect Physiology</i> , 2003, 49, 1115-1124.	0.9	28
29	Collagen reorganization in leech wound healing. <i>Biology of the Cell</i> , 2005, 97, 557-568.	0.7	28
30	Functional analysis of a fatty acid binding protein produced by <i>Aphidius ervi</i> teratocytes. <i>Journal of Insect Physiology</i> , 2012, 58, 621-627.	0.9	28
31	Environmental impact of multi-wall carbon nanotubes in a novel model of exposure: systemic distribution, macrophage accumulation, and amyloid deposition. <i>International Journal of Nanomedicine</i> , 2015, 10, 6133.	3.3	28
32	Human recombinant RNASET2-induced inflammatory response and connective tissue remodeling in the medicinal leech. <i>Cell and Tissue Research</i> , 2017, 368, 337-351.	1.5	28
33	AIF-1 and RNASET2 Play Complementary Roles in the Innate Immune Response of Medicinal Leech. <i>Journal of Innate Immunity</i> , 2019, 11, 150-167.	1.8	28
34	The extracellular matrix of the cuticle of <i>Gordius panigettensis</i> (Gordioiidae, Nematomorpha): observations by TEM, SEM and AFM. <i>Tissue and Cell</i> , 2003, 35, 306-311.	1.0	27
35	Nutrient absorption by <i>Aphidius ervi</i> larvae. <i>Journal of Insect Physiology</i> , 2005, 51, 1183-1192.	0.9	27
36	Hematopoietic Cell Formation in Leech Wound Healing. <i>Current Pharmaceutical Design</i> , 2006, 12, 3033-3041.	0.9	27

#	ARTICLE	IF	CITATIONS
37	Histopathological Changes after Induced Injury in Leeches1. <i>Journal of Invertebrate Pathology</i> , 1999, 74, 14-28.	1.5	26
38	Leech responses to tissue transplantation. <i>Tissue and Cell</i> , 2003, 35, 199-212.	1.0	25
39	Homolog of allograft inflammatory factor-1 induces macrophage migration during innate immune response in leech. <i>Cell and Tissue Research</i> , 2015, 359, 853-864.	1.5	24
40	<i>Hirudo medicinalis</i> : a new model for testing activators and inhibitors of angiogenesis. <i>Angiogenesis</i> , 2001, 4, 299-312.	3.7	23
41	Effects of Carbon Nanotube Environmental Dispersion on an Aquatic Invertebrate, <i>Hirudo medicinalis</i> . <i>PLoS ONE</i> , 2015, 10, e0144361.	1.1	23
42	<i>Hirudo medicinalis</i> : Avascular Tissues for Clear-Cut Angiogenesis Studies?. <i>Current Pharmaceutical Design</i> , 2004, 10, 1979-1988.	0.9	22
43	Leeches: Immune Response, Angiogenesis and Biomedical Applications. <i>Current Pharmaceutical Design</i> , 2003, 9, 133-147.	0.9	21
44	Midgut epithelium in molting silkworm: A fine balance among cell growth, differentiation, and survival. <i>Arthropod Structure and Development</i> , 2016, 45, 368-379.	0.8	20
45	Identification of OTX1 and OTX2 As Two Possible Molecular Markers for Sinonasal Carcinomas and Olfactory Neuroblastomas. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	20
46	Vertebrate rod photoreceptors express both BK and IK calcium-activated potassium channels, but only BK channels are involved in receptor potential regulation. <i>Journal of Neuroscience Research</i> , 2008, 86, 194-201.	1.3	19
47	Oxygen availability causes morphological changes and a different VEGF/Flk1/HIF2 expression pattern in sea bass gills. <i>Italian Journal of Zoology</i> , 2005, 72, 103-111.	0.6	18
48	NET amyloidogenic backbone in human activated neutrophils. <i>Clinical and Experimental Immunology</i> , 2016, 183, 469-479.	1.1	18
49	A new cellular type in invertebrates: first evidence of telocytes in leech <i>Hirudo medicinalis</i> . <i>Scientific Reports</i> , 2017, 7, 13580.	1.6	18
50	An in-depth description of head morphology and mouthparts in larvae of the black soldier fly <i>Hermetia illucens</i> . <i>Arthropod Structure and Development</i> , 2020, 58, 100969.	0.8	18
51	Circulating extracellular vesicles release oncogenic miR-424 in experimental models and patients with aggressive prostate cancer. <i>Communications Biology</i> , 2021, 4, 119.	2.0	18
52	Muscle differentiation in tentacles of <i>Sepia officinalis</i> (Mollusca) is regulated by muscle regulatory factors (MRF) related proteins. <i>Development Growth and Differentiation</i> , 2004, 46, 83-95.	0.6	17
53	Timing of autophagy and apoptosis during posterior silk gland degeneration in <i>Bombyx mori</i> . <i>Arthropod Structure and Development</i> , 2017, 46, 518-528.	0.8	17
54	MCF7 Spheroid Development: New Insight about Spatio/Temporal Arrangements of TNTs, Amyloid Fibrils, Cell Connections, and Cellular Bridges. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5400.	1.8	17

#	ARTICLE	IF	CITATIONS
55	Regional recruitment of rat diaphragmatic lymphatics in response to increased pleural or peritoneal fluid load. <i>Journal of Physiology</i> , 2007, 579, 835-847.	1.3	16
56	Cellular responses induced by multi-walled carbon nanotubes: in vivo and in vitro studies on the medicinal leech macrophages. <i>Scientific Reports</i> , 2017, 7, 8871.	1.6	16
57	Antimicrobial Role of RNASET2 Protein During Innate Immune Response in the Medicinal Leech <i>Hirudo verbana</i> . <i>Frontiers in Immunology</i> , 2020, 11, 370.	2.2	16
58	An antibody-based enzymatic therapy for cancer treatment: The selective localization of D-amino acid oxidase to EDA fibronectin. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 36, 102424.	1.7	16
59	Myocardial overexpression of ANKRD1 causes sinus venosus defects and progressive diastolic dysfunction. <i>Cardiovascular Research</i> , 2020, 116, 1458-1472.	1.8	15
60	Insights Into the Immune Response of the Black Soldier Fly Larvae to Bacteria. <i>Frontiers in Immunology</i> , 2021, 12, 745160.	2.2	15
61	Integumental amino acid uptake in a carnivorous predator mollusc (<i>Sepia officinalis</i> , Cephalopoda). <i>Tissue and Cell</i> , 2000, 32, 389-398.	1.0	14
62	Morphologic features of biocompatibility and neoangiogenesis onto a biodegradable tracheal prosthesis in an animal model. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2009, 8, 610-614.	0.5	14
63	Cytokine Loaded Biopolymers as a Novel Strategy to Study Stem Cells during Wound Healing Processes. <i>Macromolecular Bioscience</i> , 2011, 11, 1008-1019.	2.1	14
64	Host regulation by the ectoparasitoid wasp <i>Bracon nigricans</i> . <i>Journal of Insect Physiology</i> , 2017, 101, 73-81.	0.9	14
65	Functional amyloidogenesis in immunocytes from the colonial ascidian <i>Botryllus schlosseri</i> : Evolutionary perspective. <i>Developmental and Comparative Immunology</i> , 2019, 90, 108-120.	1.0	14
66	Ultrastructure of the head organ: A putative compound georeceptor in <i>Grania</i> (Annelida, Clitellata). <i>Tissue and Cell</i> , 2010, 42, 10-13.	0.6	13
67	Absorption of horseradish peroxidase in <i>Bombyx mori</i> larval midgut. <i>Journal of Insect Physiology</i> , 2007, 53, 517-525.	0.9	13
68	The main actors involved in parasitization of <i>Heliothis virescens</i> larva. <i>Cell and Tissue Research</i> , 2012, 350, 491-502.	1.5	13
69	Homeoprotein OTX1 and OTX2 involvement in rat myenteric neuron adaptation after DNBS-induced colitis. <i>PeerJ</i> , 2020, 8, e8442.	0.9	13
70	Ultrastructure and functional versatility of hirudinean botryoidal tissue. <i>Tissue and Cell</i> , 2001, 33, 332-341.	1.0	12
71	Identification, Isolation and Expansion of Myoendothelial Cells Involved in Leech Muscle Regeneration. <i>PLoS ONE</i> , 2009, 4, e7652.	1.1	12
72	The Leech: A Novel Invertebrate Model for Studying Muscle Regeneration and Diseases. <i>Current Pharmaceutical Design</i> , 2010, 16, 968-977.	0.9	12

#	ARTICLE	IF	CITATIONS
73	Extracellular matrix degradation via enolase/plasminogen interaction: Evidence for a mechanism conserved in Metazoa. <i>Biology of the Cell</i> , 2016, 108, 161-178.	0.7	12
74	<i>Aphidius ervi</i> Teratocytes Release Enolase and Fatty Acid Binding Protein Through Exosomal Vesicles. <i>Frontiers in Physiology</i> , 2019, 10, 715.	1.3	12
75	Modification of the nutritional parameters and of midgut biochemical and absorptive functions induced by the IGR fenoxycarb in <i>Bombyx mori</i> larvae. , 1998, 39, 18-35.		10
76	Structure and function of the extraembryonic membrane persisting around the larvae of the parasitoid <i>Toxoneuron nigriceps</i> . <i>Journal of Insect Physiology</i> , 2006, 52, 870-880.	0.9	10
77	Development and Analysis of Semi-Interpenetrating Polymer Networks for Brain Injection in Neurodegenerative Disorders. <i>International Journal of Artificial Organs</i> , 2013, 36, 762-774.	0.7	10
78	The Lepidopteran endoribonuclease-U domain protein P102 displays dramatically reduced enzymatic activity and forms functional amyloids. <i>Developmental and Comparative Immunology</i> , 2014, 47, 129-139.	1.0	9
79	Nanomaterials and Annelid Immunity: A Comparative Survey to Reveal the Common Stress and Defense Responses of Two Sentinel Species to Nanomaterials in the Environment. <i>Biology</i> , 2020, 9, 307.	1.3	9
80	HvRNASET2 Regulate Connective Tissue and Collagen I Remodeling During Wound Healing Process. <i>Frontiers in Physiology</i> , 2021, 12, 632506.	1.3	9
81	In Vivo Isolation and Characterization of Stem Cells with Diverse Phenotypes Using Growth Factor Impregnated Biomatrices. <i>PLoS ONE</i> , 2008, 3, e1910.	1.1	9
82	Dimensional and numerical growth of helical fibers in leeches: An unusual pattern. , 1998, 281, 171-187.		8
83	Differentiation of slow and fast fibers in tentacles of <i>Sepia officinalis</i> (Mollusca). <i>Development Growth and Differentiation</i> , 2004, 46, 181-193.	0.6	8
84	Annelida: Hirudinea (Leeches): Heterogeneity in Leech Immune Responses. , 2018, , 173-191.		6
85	The medicinal leech as a valuable model for better understanding the role of a TLR4-like receptor in the inflammatory process. <i>Cell and Tissue Research</i> , 2019, 377, 245-257.	1.5	6
86	Recombinant HvRNASET2 protein induces marked connective tissue remodelling in the invertebrate model <i>Hirudo verbana</i> . <i>Cell and Tissue Research</i> , 2020, 380, 565-579.	1.5	6
87	TRPV4 and TRPM8 as putative targets for chronic low back pain alleviation. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 151-165.	1.3	6
88	<i>Toxoneuron nigriceps</i> parasitization delays midgut replacement in fifth-instar <i>Heliothis virescens</i> larvae. <i>Cell and Tissue Research</i> , 2008, 332, 371-379.	1.5	5
89	Muscle development and differentiation in the urodele <i>Ambystoma mexicanum</i> . <i>Development Growth and Differentiation</i> , 2012, 54, 489-502.	0.6	5
90	Role of Ovarian Proteins Secreted by <i>Toxoneuron nigriceps</i> (Viereck) (Hymenoptera, Braconidae) in the Early Suppression of Host Immune Response. <i>Insects</i> , 2021, 12, 33.	1.0	5

#	ARTICLE	IF	CITATIONS
91	Mesoglea Extracellular Matrix Reorganization during Regenerative Process in <i>Anemonia viridis</i> (Forsk��l, 1775). <i>International Journal of Molecular Sciences</i> , 2021, 22, 5971.	1.8	5
92	Identification and Functional Characterization of <i>Toxoneuron nigriceps</i> Ovarian Proteins Involved in the Early Suppression of Host Immune Response. <i>Insects</i> , 2022, 13, 144.	1.0	5
93	<i>Hirudo verbana</i> as a freshwater invertebrate model to assess the effects of polypropylene micro and nanoplastics dispersion in freshwater. <i>Fish and Shellfish Immunology</i> , 2022, 127, 492-507.	1.6	5
94	Morphogenesis of helical fibers in haplotaxids. <i>Hydrobiologia</i> , 1996, 334, 207-217.	1.0	4
95	Protective Responses in Invertebrates. , 2016, , 145-157.		4
96	Amyloid fil rouge from invertebrate up to human ageing: A focus on Alzheimer��disease. <i>Mechanisms of Ageing and Development</i> , 2022, 206, 111705.	2.2	3
97	Invertebrate Models in Innate Immunity and Tissue Remodeling Research. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6843.	1.8	2
98	Peripheral vascular apparatus in some aquatic oligochaetes with special references to haplotaxids. <i>Hydrobiologia</i> , 1996, 334, 241-249.	1.0	1
99	Assessment of the biological activity of an improved naked-DNA vector for angiogenesis gene therapy on a novel non-mammalian model. <i>International Journal of Molecular Medicine</i> , 2003, 11, 691.	1.8	1
100	An unusual green macular lesion of the gingiva: a foreign-body granulomatous reaction. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2014, 117, e65-e69.	0.2	1
101	Methods for Monitoring Autophagy in Silkworm Organs. <i>Methods in Molecular Biology</i> , 2018, 1854, 159-174.	0.4	1
102	3D Reconstruction of HVRNASET2 Molecule to Understand Its Antibacterial Role. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9722.	1.8	1
103	Human Primary Dermal Fibroblasts Interacting with 3-Dimensional Matrices for Surgical Application Show Specific Growth and Gene Expression Programs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 526.	1.8	1
104	Transdiaphragmatic lymphatic pathways in spontaneously breathing rats. <i>FASEB Journal</i> , 2006, 20, A274.	0.2	1
105	Assessment of the biological activity of an improved naked-DNA vector for angiogenesis gene therapy on a novel non-mammalian model. <i>International Journal of Molecular Medicine</i> , 2003, 11, 691-6.	1.8	1
106	A comparative study of <i>sporta perimedullaris musculosain</i> the renicule of six species of cetaceans. <i>Italian Journal of Zoology</i> , 2004, 71, 115-121.	0.6	0
107	Editorial [Hot topic: Current Perspectives on Muscle Regeneration and Diseases (Executive Editors:) Tj ETQq1 1 0.784314 rgBT /Overl	0.9	0
108	Amyloidogenesis and Responses to Stress. , 2016, , .		0