

Annalisa Grimaldi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101
papers

1,805
citations

24
h-index

36
g-index

111
ext. papers

2,219
ext. citations

4.1
avg, IF

4.23
L-index

#	Paper	IF	Citations
101	Identification and Functional Characterization of Ovarian Proteins Involved in the Early Suppression of Host Immune Response.. <i>Insects</i> , 2022 , 13,	2.8	1
100	Insights Into the Immune Response of the Black Soldier Fly Larvae to Bacteria. <i>Frontiers in Immunology</i> , 2021 , 12, 745160	8.4	1
99	CD31 Extracellular Vesicles From Patients With Type 2 Diabetes Shuttle a miRNA Signature Associated With Cardiovascular Complications. <i>Diabetes</i> , 2021 , 70, 240-254	0.9	19
98	TRPV4 and TRPM8 as putative targets for chronic low back pain alleviation. <i>Pflugers Archiv European Journal of Physiology</i> , 2021 , 473, 151-165	4.6	1
97	Role of Ovarian Proteins Secreted by (Viereck) (Hymenoptera, Braconidae) in the Early Suppression of Host Immune Response. <i>Insects</i> , 2021 , 12,	2.8	3
96	Circulating extracellular vesicles release oncogenic miR-424 in experimental models and patients with aggressive prostate cancer. <i>Communications Biology</i> , 2021 , 4, 119	6.7	5
95	RNASET2 Regulate Connective Tissue and Collagen I Remodeling During Wound Healing Process. <i>Frontiers in Physiology</i> , 2021 , 12, 632506	4.6	2
94	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 ⁶		4
93	Antimicrobial Role of RNASET2 Protein During Innate Immune Response in the Medicinal Leech. <i>Frontiers in Immunology</i> , 2020 , 11, 370	8.4	7
92	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	4.2	1
91	Homeoprotein OTX1 and OTX2 involvement in rat myenteric neuron adaptation after DNBS-induced colitis. <i>PeerJ</i> , 2020 , 8, e8442	3.1	9
90	Myocardial overexpression of ANKRD1 causes sinus venosus defects and progressive diastolic dysfunction. <i>Cardiovascular Research</i> , 2020 , 116, 1458-1472	9.9	4
89	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,	4.9	2
88	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,	6.3	8
87	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	1.8	8
86	The digestive system of the adult <i>Hermetia illucens</i> (Diptera: Stratiomyidae): morphological features and functional properties. <i>Cell and Tissue Research</i> , 2019 , 378, 221-238	4.2	25
85	Identification of OTX1 and OTX2 As Two Possible Molecular Markers for Sinonasal Carcinomas and Olfactory Neuroblastomas. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	5

84	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	4.2	3
83	Antibiotic treatment-induced dysbiosis differently affects BDNF and TrkB expression in the brain and in the gut of juvenile mice. <i>PLoS ONE</i> , 2019 , 14, e0212856	3.7	38
82	Methods for Monitoring Autophagy in Silkworm Organs. <i>Methods in Molecular Biology</i> , 2019 , 1854, 159-174		
81	Teratocytes Release Enolase and Fatty Acid Binding Protein Through Exosomal Vesicles. <i>Frontiers in Physiology</i> , 2019 , 10, 715	4.6	6
80	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	6.9	15
79	Functional amyloidogenesis in immunocytes from the colonial ascidian <i>Botryllus schlosseri</i> : Evolutionary perspective. <i>Developmental and Comparative Immunology</i> , 2019 , 90, 108-120	3.2	10
78	Annelida: Hirudinea (Leeches): Heterogeneity in Leech Immune Responses 2018 , 173-191		4
77	Sensilla Morphology and Complex Expression Pattern of Odorant Binding Proteins in the Vetch Aphid (Hemiptera: Aphididae). <i>Frontiers in Physiology</i> , 2018 , 9, 777	4.6	17
76	Human recombinant RNASET2-induced inflammatory response and connective tissue remodeling in the medicinal leech. <i>Cell and Tissue Research</i> , 2017 , 368, 337-351	4.2	17
75	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	1.8	14
74	A new cellular type in invertebrates: first evidence of telocytes in leech <i>Hirudo medicinalis</i> . <i>Scientific Reports</i> , 2017 , 7, 13580	4.9	12
73	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	4.9	13
72	Host regulation by the ectophagous parasitoid wasp <i>Bracon nigricans</i> . <i>Journal of Insect Physiology</i> , 2017 , 101, 73-81	2.4	7
71	Changes in hyaluronan deposition in the rat myenteric plexus after experimentally-induced colitis. <i>Scientific Reports</i> , 2017 , 7, 17644	4.9	32
70	Systemic distribution of single-walled carbon nanotubes in a novel model: alteration of biochemical parameters, metabolic functions, liver accumulation, and inflammation in vivo. <i>International Journal of Nanomedicine</i> , 2016 , 11, 4299-316	7.3	34
69	Protective Responses in Invertebrates 2016 , 145-157		3
68	NET amyloidogenic backbone in human activated neutrophils. <i>Clinical and Experimental Immunology</i> , 2016 , 183, 469-79	6.2	14
67	Extracellular matrix degradation via enolase/plasminogen interaction: Evidence for a mechanism conserved in Metazoa. <i>Biology of the Cell</i> , 2016 , 108, 161-78	3.5	10

66	Butyrate and taurine exert a mitigating effect on the inflamed distal intestine of European sea bass fed with a high percentage of soybean meal. <i>Fisheries and Aquatic Sciences</i> , 2016 , 19,	2.9	54
65	Midgut epithelium in molting silkworm: A fine balance among cell growth, differentiation, and survival. <i>Arthropod Structure and Development</i> , 2016 , 45, 368-79	1.8	15
64	The midgut of the silkworm <i>Bombyx mori</i> is able to recycle molecules derived from degeneration of the larval midgut epithelium. <i>Cell and Tissue Research</i> , 2015 , 361, 509-28	4.2	32
63	Homolog of allograft inflammatory factor-1 induces macrophage migration during innate immune response in leech. <i>Cell and Tissue Research</i> , 2015 , 359, 853-64	4.2	18
62	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, 6133-45	7.3	24
61	Effects of Carbon Nanotube Environmental Dispersion on an Aquatic Invertebrate, <i>Hirudo medicinalis</i> . <i>PLoS ONE</i> , 2015 , 10, e0144361	3.7	14
60	Expression pattern analysis of odorant-binding proteins in the pea aphid <i>Acyrtosiphon pisum</i> . <i>Insect Science</i> , 2015 , 22, 220-34	3.6	36
59	The Lepidopteran endoribonuclease-U domain protein P102 displays dramatically reduced enzymatic activity and forms functional amyloids. <i>Developmental and Comparative Immunology</i> , 2014 , 47, 129-39	3.2	7
58	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, e65-9	2	1
57	Loss of function of Ribonuclease T2, an ancient and phylogenetically conserved RNase, plays a crucial role in ovarian tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 8140-5	11.5	31
56	Development and analysis of semi-interpenetrating polymer networks for brain injection in neurodegenerative disorders. <i>International Journal of Artificial Organs</i> , 2013 , 36, 762-74	1.9	9
55	Functional analysis of a fatty acid binding protein produced by <i>Aphidius ervi</i> teratocytes. <i>Journal of Insect Physiology</i> , 2012 , 58, 621-7	2.4	19
54	Muscle development and differentiation in the urodele <i>Ambystoma mexicanum</i> . <i>Development Growth and Differentiation</i> , 2012 , 54, 489-502	3	2
53	Autophagy precedes apoptosis during the remodeling of silkworm larval midgut. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2012 , 17, 305-24	5.4	120
52	The main actors involved in parasitization of <i>Heliothis virescens</i> larva. <i>Cell and Tissue Research</i> , 2012 , 350, 491-502	4.2	9
51	Functional amyloids in insect immune response. <i>Insect Biochemistry and Molecular Biology</i> , 2012 , 42, 203-13	4.3	34
50	Cytokine loaded biopolymers as a novel strategy to study stem cells during wound-healing processes. <i>Macromolecular Bioscience</i> , 2011 , 11, 1008-19	5.5	12
49	Microenvironmental control of malignancy exerted by RNASET2, a widely conserved extracellular RNase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 1104-9	11.5	47

48	The leech: a novel invertebrate model for studying muscle regeneration and diseases. <i>Current Pharmaceutical Design</i> , 2010 , 16, 968-77	3.3	8
47	Identification, isolation and expansion of myoendothelial cells involved in leech muscle regeneration. <i>PLoS ONE</i> , 2009 , 4, e7652	3.7	9
46	Morphologic features of biocompatibility and neoangiogenesis onto a biodegradable tracheal prosthesis in an animal model. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2009 , 8, 610-4	1.8	12
45	Aphidius ervi teratocytes release an extracellular enolase. <i>Insect Biochemistry and Molecular Biology</i> , 2009 , 39, 801-13	4.5	46
44	Autophagy in invertebrates: insights into development, regeneration and body remodeling. <i>Current Pharmaceutical Design</i> , 2008 , 14, 116-25	3.3	47
43	Toxoneuron nigriceps parasitization delays midgut replacement in fifth-instar Heliothis virescens larvae. <i>Cell and Tissue Research</i> , 2008 , 332, 371-9	4.2	4
42	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	4.4	16
41	A hedgehog homolog is involved in muscle formation and organization of Sepia officinalis (mollusca) mantle. <i>Developmental Dynamics</i> , 2008 , 237, 659-71	2.9	15
40	In vivo isolation and characterization of stem cells with diverse phenotypes using growth factor impregnated biomatrices. <i>PLoS ONE</i> , 2008 , 3, e1910	3.7	7
39	Regional recruitment of rat diaphragmatic lymphatics in response to increased pleural or peritoneal fluid load. <i>Journal of Physiology</i> , 2007 , 579, 835-47	3.9	13
38	Absorption of horseradish peroxidase in Bombyx mori larval midgut. <i>Journal of Insect Physiology</i> , 2007 , 53, 517-25	2.4	13
37	Programmed cell death and stem cell differentiation are responsible for midgut replacement in Heliothis virescens during prepupal instar. <i>Cell and Tissue Research</i> , 2007 , 330, 345-59	4.2	85
36	Lepidopteran larval midgut during prepupal instar: digestion or self-digestion?. <i>Autophagy</i> , 2007 , 3, 630-10.2	10.2	33
35	Characterization of the IkappaB-like gene family in polydnviruses associated with wasps belonging to different Braconid subfamilies. <i>Journal of General Virology</i> , 2007 , 88, 92-104	4.9	59
34	Structure and function of the extraembryonic membrane persisting around the larvae of the parasitoid Toxoneuron nigriceps. <i>Journal of Insect Physiology</i> , 2006 , 52, 870-80	2.4	7
33	Functional arrangement of rat diaphragmatic initial lymphatic network. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H876-85	5.2	39
32	Growth factors and chemokines: a comparative functional approach between invertebrates and vertebrates. <i>Current Medicinal Chemistry</i> , 2006 , 13, 2737-50	4.3	35
31	Hematopoietic cell formation in leech wound healing. <i>Current Pharmaceutical Design</i> , 2006 , 12, 3033-41	3.3	24

30	Transdiaphragmatic lymphatic pathways in spontaneously breathing rats. <i>FASEB Journal</i> , 2006 , 20, A2740.9		1
29	Oxygen availability causes morphological changes and a different VEGF/Flk-1/HIF-2 expression pattern in sea bass gills. <i>Italian Journal of Zoology</i> , 2005 , 72, 103-111		14
28	Collagen reorganization in leech wound healing. <i>Biology of the Cell</i> , 2005 , 97, 557-68	3.5	23
27	Nutrient absorption by <i>Aphidius ervi</i> larvae. <i>Journal of Insect Physiology</i> , 2005 , 51, 1183-92	2.4	20
26	A comparative study of sporta perimedullaris muscosa in the reniculus of six species of cetaceans. <i>Italian Journal of Zoology</i> , 2004 , 71, 115-121		
25	Hedgehog regulation of superficial slow muscle fibres in <i>Xenopus</i> and the evolution of tetrapod trunk myogenesis. <i>Development (Cambridge)</i> , 2004 , 131, 3249-62	6.6	57
24	<i>Hirudo medicinalis</i> : avascular tissues for clear-cut angiogenesis studies?. <i>Current Pharmaceutical Design</i> , 2004 , 10, 1979-88	3.3	20
23	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	3	17
22	Differentiation of slow and fast fibers in tentacles of <i>Sepia officinalis</i> (Mollusca). <i>Development Growth and Differentiation</i> , 2004 , 46, 181-93	3	8
21	The multifunctional role of fibroblasts during wound healing in <i>Hirudo medicinalis</i> (Annelida, Hirudinea). <i>Biology of the Cell</i> , 2004 , 96, 443-55	3.5	51
20	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	4.4	
19	Absorption of sugars and amino acids by the epidermis of <i>Aphidius ervi</i> larvae. <i>Journal of Insect Physiology</i> , 2003 , 49, 1115-24	2.4	25
18	Leech responses to tissue transplantation. <i>Tissue and Cell</i> , 2003 , 35, 199-212	2.7	23
17	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, 306-11	2.7	14
16	Vascular endothelial growth factor is involved in neoangiogenesis in <i>Hirudo medicinalis</i> (Annelida, Hirudinea). <i>Cytokine</i> , 2003 , 22, 168-79	4	26
15	Leeches: immune response, angiogenesis and biomedical applications. <i>Current Pharmaceutical Design</i> , 2003 , 9, 133-47	3.3	19
14	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	4.4	1
13	<i>Hirudo medicinalis</i> : a new model for testing activators and inhibitors of angiogenesis. <i>Angiogenesis</i> , 2001 , 4, 299-312	10.6	16

12	Larval anatomy and structure of absorbing epithelia in the aphid parasitoid <i>Aphidius ervi</i> Haliday (Hymenoptera, Braconidae). <i>Arthropod Structure and Development</i> , 2001 , 30, 27-37	1.8	37
11	Ultrastructure and functional versatility of hirudinean botryoidal tissue. <i>Tissue and Cell</i> , 2001 , 33, 332-412.	2.7	11
10	Structural and biochemical analysis of the parasite <i>Gordius villoti</i> (Nematomorpha, Gordiacea) cuticle. <i>Tissue and Cell</i> , 2000 , 32, 366-76	2.7	20
9	Integumental amino acid uptake in a carnivorous predator mollusc (<i>Sepia officinalis</i> , Cephalopoda). <i>Tissue and Cell</i> , 2000 , 32, 389-98	2.7	11
8	Lipopolysaccharide-dependent induction of leech leukocytes that cross-react with vertebrate cellular differentiation markers. <i>Tissue and Cell</i> , 2000 , 32, 437-45	2.7	27
7	Ultrastructure of the head organ: A putative compound georeceptor in <i>Grania</i> (Annelida, Clitellata, Enchytraeidae). <i>Italian Journal of Zoology</i> , 1999 , 66, 11-21		12
6	Histopathological changes after induced injury in leeches. <i>Journal of Invertebrate Pathology</i> , 1999 , 74, 14-28	2.6	23
5	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		9
4	Dimensional and numerical growth of helical fibers in leeches: An unusual pattern 1998 , 281, 171-187		5
3	Morphogenesis of helical fibers in haplotaxids. <i>Hydrobiologia</i> , 1996 , 334, 207-217	2.4	4
2	Peripheral vascular apparatus in some aquatic oligochaetes with special references to haplotaxids. <i>Hydrobiologia</i> , 1996 , 334, 241-249	2.4	1
1	Immune Response: Evolution1, 727-736		