Annalisa Grimaldi

List of Publications by Year
in descending order

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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	Identification and Functional Characterization of Toxoneuron nigriceps Ovarian Proteins Involved in the Early Suppression of Host Immune Response. Insects, 2022, 13, 144.	1.0	5
2	Invertebrate Models in Innate Immunity and Tissue Remodeling Research. International Journal of Molecular Sciences, 2022, 23, 6843.	1.8	2
3	Hirudo verbana as a freshwater invertebrate model to assess the effects of polypropylene micro and nanoplastics dispersion in freshwater. Fish and Shellfish Immunology, 2022, 127, 492-507.	1.6	5
4	Amyloid fil rouge from invertebrate up to human ageing: A focus on AlzheimerÂdisease. Mechanisms of Ageing and Development, 2022, 206, 111705.	2.2	3
5	CD31+ Extracellular Vesicles From Patients With Type 2 Diabetes Shuttle a miRNA Signature Associated With Cardiovascular Complications. Diabetes, 2021, 70, 240-254.	0.3	38
6	TRPV4 and TRPM8 as putative targets for chronic low back pain alleviation. Pflugers Archiv European Journal of Physiology, 2021, 473, 151-165.	1.3	6
7	Role of Ovarian Proteins Secreted by Toxoneuron nigriceps (Viereck) (Hymenoptera, Braconidae) in the Early Suppression of Host Immune Response. Insects, 2021, 12, 33.	1.0	5
8	Circulating extracellular vesicles release oncogenic miR-424 in experimental models and patients with aggressive prostate cancer. Communications Biology, 2021, 4, 119.	2.0	18
9	Human Primary Dermal Fibroblasts Interacting with 3-Dimensional Matrices for Surgical Application Show Specific Growth and Gene Expression Programs. International Journal of Molecular Sciences, 2021, 22, 526.	1.8	1
10	HvRNASET2 Regulate Connective Tissue and Collagen I Remodeling During Wound Healing Process. Frontiers in Physiology, 2021, 12, 632506.	1.3	9
11	Mesoglea Extracellular Matrix Reorganization during Regenerative Process in Anemonia viridis (ForskÃ¥l, 1775). International Journal of Molecular Sciences, 2021, 22, 5971.	1.8	5
12	An antibody-based enzymatic therapy for cancer treatment: The selective localization of D-amino acid oxidase to EDA fibronectin. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 36, 102424.	1.7	16
13	Insights Into the Immune Response of the Black Soldier Fly Larvae to Bacteria. Frontiers in Immunology, 2021, 12, 745160.	2.2	15
14	Myocardial overexpression of ANKRD1 causes sinus venosus defects and progressive diastolic dysfunction. Cardiovascular Research, 2020, 116, 1458-1472.	1.8	15
15	Nanomaterials and Annelid Immunity: A Comparative Survey to Reveal the Common Stress and Defense Responses of Two Sentinel Species to Nanomaterials in the Environment. Biology, 2020, 9, 307.	1.3	9
16	MCF7 Spheroid Development: New Insight about Spatio/Temporal Arrangements of TNTs, Amyloid Fibrils, Cell Connections, and Cellular Bridges. International Journal of Molecular Sciences, 2020, 21, 5400.	1.8	17
17	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.	0.8	18
18	3D Reconstruction of HvRNASET2 Molecule to Understand Its Antibacterial Role. International Journal of Molecular Sciences, 2020, 21, 9722.	1.8	1

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19	Antimicrobial Role of RNASET2 Protein During Innate Immune Response in the Medicinal Leech Hirudo verbana. Frontiers in Immunology, 2020, 11, 370.	2.2	16
20	Recombinant HvRNASET2 protein induces marked connective tissue remodelling in the invertebrate model Hirudo verbana. Cell and Tissue Research, 2020, 380, 565-579.	1.5	6
21	Homeoprotein OTX1 and OTX2 involvement in rat myenteric neuron adaptation after DNBS-induced colitis. PeerJ, 2020, 8, e8442.	0.9	13
22	Aphidius ervi Teratocytes Release Enolase and Fatty Acid Binding Protein Through Exosomal Vesicles. Frontiers in Physiology, 2019, 10, 715.	1.3	12
23	The digestive system of the adult Hermetia illucens (Diptera: Stratiomyidae): morphological features and functional properties. Cell and Tissue Research, 2019, 378, 221-238.	1.5	45
24	Identification of OTX1 and OTX2 As Two Possible Molecular Markers for Sinonasal Carcinomas and Olfactory Neuroblastomas. Journal of Visualized Experiments, 2019, , .	0.2	20
25	The medicinal leech as a valuable model for better understanding the role of a TLR4-like receptor in the inflammatory process. Cell and Tissue Research, 2019, 377, 245-257.	1.5	6
26	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
27	AIF-1 and RNASET2 Play Complementary Roles in the Innate Immune Response of Medicinal Leech. Journal of Innate Immunity, 2019, 11, 150-167.	1.8	28
28	Functional amyloidogenesis in immunocytes from the colonial ascidian Botryllus schlosseri: Evolutionary perspective. Developmental and Comparative Immunology, 2019, 90, 108-120.	1.0	14
29	Methods for Monitoring Autophagy in Silkworm Organs. Methods in Molecular Biology, 2018, 1854, 159-174.	0.4	1
30	Annelida: Hirudinea (Leeches): Heterogeneity in Leech Immune Responses. , 2018, , 173-191.		6
31	Sensilla Morphology and Complex Expression Pattern of Odorant Binding Proteins in the Vetch Aphid Megoura viciae (Hemiptera: Aphididae). Frontiers in Physiology, 2018, 9, 777.	1.3	29
32	Human recombinant RNASET2-induced inflammatory response and connective tissue remodeling in the medicinal leech. Cell and Tissue Research, 2017, 368, 337-351.	1.5	28
33	Timing of autophagy and apoptosis during posterior silk gland degeneration in Bombyx mori. Arthropod Structure and Development, 2017, 46, 518-528.	0.8	17
34	A new cellular type in invertebrates: first evidence of telocytes in leech Hirudo medicinalis. Scientific Reports, 2017, 7, 13580.	1.6	18
35	Cellular responses induced by multi-walled carbon nanotubes: in vivo and in vitro studies on the medicinal leech macrophages. Scientific Reports, 2017, 7, 8871.	1.6	16
36	Host regulation by the ectophagous parasitoid wasp Bracon nigricans. Journal of Insect Physiology, 2017, 101, 73-81.	0.9	14

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37	Changes in hyaluronan deposition in the rat myenteric plexus after experimentally-induced colitis. Scientific Reports, 2017, 7, 17644.	1.6	37
38	Amyloidogenesis and Responses to Stress. , 2016, , .		0
39	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
40	Protective Responses in Invertebrates. , 2016, , 145-157.		4
41	NET amyloidogenic backbone in human activated neutrophils. Clinical and Experimental Immunology, 2016, 183, 469-479.	1.1	18
42	Extracellular matrix degradation via enolase/plasminogen interaction: Evidence for a mechanism conserved in Metazoa. Biology of the Cell, 2016, 108, 161-178.	0.7	12
43	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
44	Midgut epithelium in molting silkworm: A fine balance among cell growth, differentiation, and survival. Arthropod Structure and Development, 2016, 45, 368-379.	0.8	20
45	Environmental impact of multi-wall carbon nanotubes in a novel model of exposure: systemic distribution, macrophage accumulation, and amyloid deposition. International Journal of Nanomedicine, 2015, 10, 6133.	3.3	28
46	Effects of Carbon Nanotube Environmental Dispersion on an Aquatic Invertebrate, Hirudo medicinalis. PLoS ONE, 2015, 10, e0144361.	1.1	23
47	Expression pattern analysis of odorantâ€binding proteins in the pea aphid Acyrthosiphon pisum. Insect Science, 2015, 22, 220-234.	1.5	74
48	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.	1.5	53
49	Homolog of allograft inflammatory factor-1 induces macrophage migration during innate immune response in leech. Cell and Tissue Research, 2015, 359, 853-864.	1.5	24
50	An unusual green macular lesion of the gingiva: a foreign-body granulomatous reaction. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2014, 117, e65-e69.	0.2	1
51	The Lepidopteran endoribonuclease-U domain protein P102 displays dramatically reduced enzymatic activity and forms functional amyloids. Developmental and Comparative Immunology, 2014, 47, 129-139.	1.0	9
52	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
53	Development and Analysis of Semi-Interpenetrating Polymer Networks for Brain Injection in Neurodegenerative Disorders. International Journal of Artificial Organs, 2013, 36, 762-774.	0.7	10
54	The main actors involved in parasitization of Heliothis virescens larva. Cell and Tissue Research, 2012, 350, 491-502.	1.5	13

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55	Functional amyloids in insect immune response. Insect Biochemistry and Molecular Biology, 2012, 42, 203-211.	1.2	42
56	Functional analysis of a fatty acid binding protein produced by Aphidius ervi teratocytes. Journal of Insect Physiology, 2012, 58, 621-627.	0.9	28
57	Muscle development and differentiation in the urodele <scp>A</scp>mbystoma mexicanum. Development Growth and Differentiation, 2012, 54, 489-502.	0.6	5
58	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
59	Cytokine Loaded Biopolymers as a Novel Strategy to Study Stem Cells during Woundâ€Healing Processes. Macromolecular Bioscience, 2011, 11, 1008-1019.	2.1	14
60	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
61	The Leech: A Novel Invertebrate Model for Studying Muscle Regeneration and Diseases. Current Pharmaceutical Design, 2010, 16, 968-977.	0.9	12
62	Editorial [Hot topic: Current Perspectives on Muscle Regeneration and Diseases (Executive Editors:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	0
63	Identification, Isolation and Expansion of Myoendothelial Cells Involved in Leech Muscle Regeneration. PLoS ONE, 2009, 4, e7652.	1.1	12
64	Morphologic features of biocompatibility and neoangiogenesis onto a biodegradable tracheal prosthesis in an animal model. Interactive Cardiovascular and Thoracic Surgery, 2009, 8, 610-614.	0.5	14
65	Aphidius ervi teratocytes release an extracellular enolase. Insect Biochemistry and Molecular Biology, 2009, 39, 801-813.	1.2	54
66	Toxoneuron nigriceps parasitization delays midgut replacement in fifth-instar Heliothis virescens larvae. Cell and Tissue Research, 2008, 332, 371-379.	1.5	5
67	Vertebrate rod photoreceptors express both BK and IK calciumâ€activated potassium channels, but only BK channels are involved in receptor potential regulation. Journal of Neuroscience Research, 2008, 86, 194-201.	1.3	19
68	A hedgehog homolog is involved in muscle formation and organization of Sepia officinalis (mollusca) mantle. Developmental Dynamics, 2008, 237, 659-671.	0.8	29
69	Autophagy in Invertebrates: Insights Into Development, Regeneration and Body Remodeling. Current Pharmaceutical Design, 2008, 14, 116-125.	0.9	52
70	In Vivo Isolation and Characterization of Stem Cells with Diverse Phenotypes Using Growth Factor Impregnated Biomatrices. PLoS ONE, 2008, 3, e1910.	1.1	9
71	Lepidopteran Larval Midgut During Prepupal Instar: Digestion or Self-Digestion?. Autophagy, 2007, 3, 630-631.	4.3	38
72	Characterization of the IÎºB-like gene family in polydnaviruses associated with wasps belonging to different Braconid subfamilies. Journal of General Virology, 2007, 88, 92-104.	1.3	66

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73	Regional recruitment of rat diaphragmatic lymphatics in response to increased pleural or peritoneal fluid load. Journal of Physiology, 2007, 579, 835-847.	1.3	16
74	Absorption of horseradish peroxidase in Bombyx mori larval midgut. Journal of Insect Physiology, 2007, 53, 517-525.	0.9	13
75	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.	1.5	91
76	Structure and function of the extraembryonic membrane persisting around the larvae of the parasitoid Toxoneuron nigriceps. Journal of Insect Physiology, 2006, 52, 870-880.	0.9	10
77	Functional arrangement of rat diaphragmatic initial lymphatic network. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H876-H885.	1.5	58
78	Growth Factors and Chemokines: A Comparative Functional Approach Between Invertebrates and Vertebrates. Current Medicinal Chemistry, 2006, 13, 2737-2750.	1.2	39
79	Hematopoietic Cell Formation in Leech Wound Healing. Current Pharmaceutical Design, 2006, 12, 3033-3041.	0.9	27
80	Transdiaphragmatic lymphatic pathways in spontaneously breathing rats. FASEB Journal, 2006, 20, A274.	0.2	1
81	Collagen reorganization in leech wound healing. Biology of the Cell, 2005, 97, 557-568.	0.7	28
82	Nutrient absorption by Aphidius ervi larvae. Journal of Insect Physiology, 2005, 51, 1183-1192.	0.9	27
83	Oxygen availability causes morphological changes and a different VEGF/Flkâ€1/HIFâ€2 expression pattern in sea bass gills. Italian Journal of Zoology, 2005, 72, 103-111.	0.6	18
84	A comparative study ofsporta perimedullaris musculosain the renicule of six species of cetaceans. Italian Journal of Zoology, 2004, 71, 115-121.	0.6	0
85	Hedgehog regulation of superficial slow muscle fibres in Xenopusand the evolution of tetrapod trunk myogenesis. Development (Cambridge), 2004, 131, 3249-3262.	1.2	66
86	Hirudo medicinalis: Avascular Tissues for Clear-Cut Angiogenesis Studies?. Current Pharmaceutical Design, 2004, 10, 1979-1988.	0.9	22
87	Muscle differentiation in tentacles of Sepia officinalis (Mollusca) is regulated by muscle regulatory factors (MRF) related proteins. Development Growth and Differentiation, 2004, 46, 83-95.	0.6	17
88	Differentiation of slow and fast fibers in tentacles of Sepia officinalis (Mollusca). Development Growth and Differentiation, 2004, 46, 181-193.	0.6	8
89	The multifunctional role of fibroblasts during wound healing in Hirudo medicinalis (Annelida,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.7	60
90	Absorption of sugars and amino acids by the epidermis of Aphidius ervi larvae. Journal of Insect Physiology, 2003, 49, 1115-1124.	0.9	28

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91	Leech responses to tissue transplantation. Tissue and Cell, 2003, 35, 199-212.	1.0	25
92	The extracellular matrix of the cuticle of Gordius panigettensis (Gordioiidae, Nematomorpha): observations by TEM, SEM and AFM. Tissue and Cell, 2003, 35, 306-311.	1.0	27
93	Vascular endothelial growth factor is involved in neoangiogenesis in Hirudo medicinalis (Annelida,) Tj ETQq1 1 0.784314 rgBT /Overlo	1.4	33
94	Assessment of the biological activity of an improved naked-DNA vector for angiogenesis gene therapy on a novel non-mammalian model. International Journal of Molecular Medicine, 2003, 11, 691.	1.8	1
95	Leeches: Immune Response, Angiogenesis and Biomedical Applications. Current Pharmaceutical Design, 2003, 9, 133-147.	0.9	21
96	Assessment of the biological activity of an improved naked-DNA vector for angiogenesis gene therapy on a novel non-mammalian model. International Journal of Molecular Medicine, 2003, 11, 691-6.	1.8	1
97	Ultrastructure and functional versatility of hirudinean botryoidal tissue. Tissue and Cell, 2001, 33, 332-341.	1.0	12
98	Hirudo medicinalis: a new model for testing activators and inhibitors of angiogenesis. Angiogenesis, 2001, 4, 299-312.	3.7	23
99	Larval anatomy and structure of absorbing epithelia in the aphid parasitoid Aphidius ervi Haliday (Hymenoptera, Braconidae). Arthropod Structure and Development, 2001, 30, 27-37.	0.8	46
100	Structural and biochemical analysis of the parasite Gordius villoti (Nematomorpha, Gordiacea) cuticle.. Tissue and Cell, 2000, 32, 366-376.	1.0	33
101	Integumental amino acid uptake in a carnivorous predator mollusc (Sepia officinalis, Cephalopoda). Tissue and Cell, 2000, 32, 389-398.	1.0	14
102	Lipopolysaccharide-dependent induction of leech leukocytes that cross-react with vertebrate cellular differentiation markers. Tissue and Cell, 2000, 32, 437-445.	1.0	31
103	Ultrastructure of the head organ: A putative compound georeceptor inGrania(Annelida, Clitellata,) Tj ETQq1 1 0.784314 rgBT /Overlo	0.6	13
104	Histopathological Changes after Induced Injury in Leeches1. Journal of Invertebrate Pathology, 1999, 74, 14-28.	1.5	26
105	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
106	Dimensional and numerical growth of helical fibers in leeches: An unusual pattern. , 1998, 281, 171-187.		8
107	Morphogenesis of helical fibers in haplotaxids. Hydrobiologia, 1996, 334, 207-217.	1.0	4
108	Peripheral vascular apparatus in some aquatic oligochaetes with special references to haplotaxids. Hydrobiologia, 1996, 334, 241-249.	1.0	1