

# Loriano Ballarin

## List of Publications by Citations

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112  
papers

2,333  
citations

29  
h-index

42  
g-index

125  
ext. papers

2,594  
ext. citations

3.7  
avg, IF

4.87  
L-index

#	Paper	IF	Citations
112	Haemocytes of the clam <i>Tapes philippinarum</i> (Adams & Reeve, 1850): morphofunctional characterisation. <i>Fish and Shellfish Immunology</i> , <b>2000</b> , 10, 677-93	4.3	112
111	<i>Botryllus schlosseri</i> : a model ascidian for the study of asexual reproduction. <i>Developmental Dynamics</i> , <b>2007</b> , 236, 335-52	2.9	110
110	Phagocytosis in the colonial ascidian <i>Botryllus schlosseri</i> . <i>Developmental and Comparative Immunology</i> , <b>1994</b> , 18, 467-81	3.2	77
109	Toxic effects of new antifouling compounds on tunicate haemocytes I. Sea-nine 211 and chlorothalonil. <i>Aquatic Toxicology</i> , <b>2008</b> , 86, 299-312	5.1	76
108	Haematological parameters in <i>Umbrina cirrosa</i> (Teleostei, Sciaenidae): a comparison between diploid and triploid specimens. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2004</b> , 138, 45-51	2.6	74
107	Phenoloxidase and cytotoxicity in the compound ascidian <i>Botryllus schlosseri</i> . <i>Developmental and Comparative Immunology</i> , <b>1998</b> , 22, 479-92	3.2	72
106	TBT-induced apoptosis in tunicate haemocytes. <i>Applied Organometallic Chemistry</i> , <b>1999</b> , 13, 697-703	3.1	62
105	Toxicity of organotin compounds on embryos of a marine invertebrate ( <i>Styela plicata</i> ; tunicata). <i>Ecotoxicology and Environmental Safety</i> , <b>1996</b> , 35, 174-82	7	61
104	Morula Cells and Histocompatibility in the Colonial Ascidian <i>Botryllus schlosseri</i> . <i>Zoological Science</i> , <b>1995</b> , 12, 757-764	0.8	60
103	Morula cells as the major immunomodulatory hemocytes in ascidians: evidences from the colonial species <i>Botryllus schlosseri</i> . <i>Biological Bulletin</i> , <b>2001</b> , 201, 59-64	1.5	50
102	First evidence of cell division in circulating haemocytes from the Manila clam <i>Tapes philippinarum</i> . <i>Cell Biology International</i> , <b>2008</b> , 32, 865-8	4.5	46
101	Immunity in Protochordates: The Tunicate Perspective. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 674	8.4	43
100	Cytoskeleton alterations by tributyltin (TBT) in tunicate phagocytes. <i>Ecotoxicology and Environmental Safety</i> , <b>1998</b> , 40, 160-5	7	42
99	Cellular aspects of allorecognition in the compound ascidian <i>Botryllus schlosseri</i> . <i>Developmental and Comparative Immunology</i> , <b>2004</b> , 28, 881-9	3.2	40
98	Morpho-functional characterization of haemocytes of the compound ascidian <i>Botrylloides leachi</i> (Tunicata, Ascidiacea). <i>Acta Zoologica</i> , <b>2001</b> , 82, 261-274	0.8	38
97	Air exposure and functionality of <i>Chamelea gallina</i> haemocytes: effects on haematocrit, adhesion, phagocytosis and enzyme contents. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2002</b> , 131, 605-14	2.6	36
96	Apoptosis and phosphatidylserine-mediated recognition during the take-over phase of the colonial life-cycle in the ascidian <i>Botryllus schlosseri</i> . <i>Cell and Tissue Research</i> , <b>2003</b> , 312, 369-76	4.2	36

95	Tributyltin induces cytoskeletal alterations in the colonial ascidian <i>Botryllus schlosseri</i> phagocytes via interaction with calmodulin. <i>Aquatic Toxicology</i> , <b>2000</b> , 48, 419-429	5.1	36
94	Immunotoxicity of butyltins in tunicates. <i>Applied Organometallic Chemistry</i> , <b>1995</b> , 9, 567-572	3.1	36
93	Haemocytes and blastogenetic cycle in the colonial ascidian <i>Botryllus schlosseri</i> : a matter of life and death. <i>Cell and Tissue Research</i> , <b>2008</b> , 331, 555-64	4.2	35
92	Transcription of genes involved in glutathione biosynthesis in the solitary tunicate <i>Ciona intestinalis</i> exposed to metals. <i>Aquatic Toxicology</i> , <b>2012</b> , 114-115, 14-22	5.1	34
91	Sexual and asexual reproduction in the colonial ascidian <i>Botryllus schlosseri</i> . <i>Genesis</i> , <b>2015</b> , 53, 105-20	1.9	33
90	Novel rhamnose-binding lectins from the colonial ascidian <i>Botryllus schlosseri</i> . <i>Developmental and Comparative Immunology</i> , <b>2008</b> , 32, 1177-91	3.2	33
89	Characterization and metal-induced gene transcription of two new copper zinc superoxide dismutases in the solitary ascidian <i>Ciona intestinalis</i> . <i>Aquatic Toxicology</i> , <b>2013</b> , 140-141, 369-79	5.1	32
88	Exposure of the clam <i>Tapes philippinarum</i> to 4-nonylphenol: changes in anti-oxidant enzyme activities and re-burrowing capability. <i>Marine Pollution Bulletin</i> , <b>2004</b> , 48, 563-71	6.7	32
87	In vitro effects of tributyltin on functional responses of haemocytes in the clam <i>Tapes philippinarum</i> . <i>Applied Organometallic Chemistry</i> , <b>2002</b> , 16, 169-174	3.1	32
86	Immune roles of a rhamnose-binding lectin in the colonial ascidian <i>Botryllus schlosseri</i> . <i>Immunobiology</i> , <b>2011</b> , 216, 725-36	3.4	31
85	A tale of death and life: natural apoptosis in the colonial ascidian <i>Botryllus schlosseri</i> (Urochordata, Ascidiacea). <i>Current Pharmaceutical Design</i> , <b>2008</b> , 14, 138-47	3.3	29
84	Biomarkers for TBT Immunotoxicity Studies on the Cultivated Clam <i>Tapes philippinarum</i> (Adams and Reeve, 1850). <i>Marine Pollution Bulletin</i> , <b>1999</b> , 39, 112-115	6.7	29
83	Hovering between death and life: natural apoptosis and phagocytes in the blastogenetic cycle of the colonial ascidian <i>Botryllus schlosseri</i> . <i>Developmental and Comparative Immunology</i> , <b>2010</b> , 34, 272-85	3.2	28
82	Genetic and cytological aspects of histocompatibility in ascidians. <i>Bollettino Di Zoologia</i> , <b>1992</b> , 59, 167-173		28
81	Histoenzymatic staining and characterization of the colonial ascidian <i>Botryllus schlosseri</i> hemocytes. <i>Bollettino Di Zoologia</i> , <b>1993</b> , 60, 19-24		28
80	Phagocyte spreading and phagocytosis in the compound ascidian <i>Botryllus schlosseri</i> : evidence for an integrin-like, RGD-dependent recognition mechanism. <i>Developmental and Comparative Immunology</i> , <b>2002</b> , 26, 345-54	3.2	27
79	Immunotoxicity in ascidians: antifouling compounds alternative to organotins: III--the case of copper(I) and Irgarol 1051. <i>Chemosphere</i> , <b>2012</b> , 89, 19-29	8.4	26
78	Preliminary characterization of complement in a colonial tunicate: C3, Bf and inhibition of C3 opsonic activity by compstatin. <i>Developmental and Comparative Immunology</i> , <b>2014</b> , 46, 430-8	3.2	25

77	CiMT-1, an unusual chordate metallothionein gene in <i>Ciona intestinalis</i> genome: structure and expression studies. <i>Journal of Experimental Zoology</i> , <b>2011</b> , 315A, 90-100		25
76	Characterization and transcription studies of a phytochelatin synthase gene from the solitary tunicate <i>Ciona intestinalis</i> exposed to cadmium. <i>Aquatic Toxicology</i> , <b>2014</b> , 152, 47-56	5.1	24
75	Mechanical disturbance affects haemocyte functionality in the Venus clam <i>Chamelea gallina</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2003</b> , 136, 631-40	2.6	22
74	Tributyltin-sulfhydryl interaction as a cause of immunotoxicity in phagocytes of tunicates. <i>Ecotoxicology and Environmental Safety</i> , <b>2004</b> , 58, 386-95	7	22
73	Release of phagocytosis-stimulating factor(s) by morula cells in a colonial ascidian. <i>Marine Biology</i> , <b>2005</b> , 148, 225-230	2.5	22
72	Immunotoxicity in ascidians: antifouling compounds alternative to organotins - II. The case of Diuron and TCMS pyridine. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2008</b> , 43, 644-54	2.2	21
71	Programmed cell death in vegetative development: apoptosis during the colonial life cycle of the ascidian <i>Botryllus schlosseri</i> . <i>Tissue and Cell</i> , <b>2006</b> , 38, 193-201	2.7	21
70	Morphological and cytoenzymatic characterization of haemocytes of the venus clam <i>Chamelea gallina</i> . <i>Diseases of Aquatic Organisms</i> , <b>2002</b> , 49, 227-34	1.7	21
69	New data on phagocytes and phagocytosis in the compound ascidian <i>Botryllus schlosseri</i> (Tunicata, Ascidiacea). <i>Italian Journal of Zoology</i> , <b>1996</b> , 63, 357-364		20
68	Immunomodulatory molecules in the compound ascidian <i>Botryllus schlosseri</i> : evidence from conditioned media. <i>Journal of Invertebrate Pathology</i> , <b>2008</b> , 99, 275-80	2.6	19
67	Purification and partial characterisation of phenoloxidase from the colonial ascidian <i>Botryllus schlosseri</i> . <i>Marine Biology</i> , <b>1999</b> , 135, 483-488	2.5	19
66	Purification and characterization of a humoral opsonin, with specificity for D-galactose, in the colonial ascidian <i>Botryllus schlosseri</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>1999</b> , 123, 115-23	2.3	19
65	Sixty years of experimental studies on the blastogenesis of the colonial tunicate <i>Botryllus schlosseri</i> . <i>Developmental Biology</i> , <b>2019</b> , 448, 293-308	3.1	19
64	Transcriptome dynamics in the asexual cycle of the chordate <i>Botryllus schlosseri</i> . <i>BMC Genomics</i> , <b>2016</b> , 17, 275	4.5	17
63	Irgarol inhibits the synthesis of ATP in mitochondria from rat liver. <i>Chemosphere</i> , <b>2006</b> , 65, 1898-903	8.4	17
62	Involvement of quinones and phenoloxidase in the allorejection reaction in a colonial ascidian, <i>Botrylloides simodensis</i> : histochemical and immunohistochemical study. <i>Marine Biology</i> , <b>2002</b> , 141, 659-665	2.5	17
61	Insight on cellular and humoral components of innate immunity in <i>Squilla mantis</i> (Crustacea, Stomatopoda). <i>Fish and Shellfish Immunology</i> , <b>2011</b> , 31, 423-31	4.3	16
60	Colony specificity and chemotaxis in the compound ascidian <i>Botryllus schlosseri</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2006</b> , 145, 376-82	2.6	16

59	Functional responses of haemocytes in the clam <i>Tapes philippinarum</i> from the Lagoon of Venice: fishing impact and seasonal variations. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2003</b> , 60, 949-958	3.4	16
58	Recurrent phagocytosis-induced apoptosis in the cyclical generation change of the compound ascidian <i>Botryllus schlosseri</i> . <i>Developmental and Comparative Immunology</i> , <b>2016</b> , 62, 8-16	3.2	16
57	Natural apoptosis during the blastogenetic cycle of the colonial ascidian <i>Botryllus schlosseri</i> : a morphological analysis. <i>Zoological Science</i> , <b>2010</b> , 27, 96-102	0.8	15
56	Morula cells as key hemocytes of the lectin pathway of complement activation in the colonial tunicate <i>Botryllus schlosseri</i> . <i>Fish and Shellfish Immunology</i> , <b>2017</b> , 63, 157-164	4.3	14
55	In vitro effects of the nonsteroidal anti-inflammatory drug, ibuprofen, on the immune parameters of the colonial ascidian <i>Botryllus schlosseri</i> . <i>Toxicology in Vitro</i> , <b>2014</b> , 28, 778-83	3.6	14
54	Triphenyltin pesticides in sea water as immunotoxins for tunicates. <i>Marine Chemistry</i> , <b>1997</b> , 58, 267-273	3.7	14
53	Humoral opsonin from the colonial ascidian <i>Botryllus schlosseri</i> as a member of the galectin family. <i>Marine Biology</i> , <b>2000</b> , 136, 823-827	2.5	14
52	Insight on signal transduction pathways involved in phagocytosis in the colonial ascidian <i>Botryllus schlosseri</i> . <i>Journal of Invertebrate Pathology</i> , <b>2013</b> , 112, 260-6	2.6	13
51	Looking for putative phenoloxidases of compound ascidians: haemocyanin-like proteins in <i>Polyandrocarpa misakiensis</i> and <i>Botryllus schlosseri</i> . <i>Developmental and Comparative Immunology</i> , <b>2012</b> , 38, 232-42	3.2	13
50	Butyltins and calmodulin: which interaction?. <i>Applied Organometallic Chemistry</i> , <b>2002</b> , 16, 182-186	3.1	13
49	Oxidative stress induces cytotoxicity during rejection reaction in the compound ascidian <i>Botryllus schlosseri</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2002</b> , 133, 411-8	3.2	13
48	External amebocytes guard the pharynx entry in a tunicate (Ascidacea). <i>Developmental and Comparative Immunology</i> , <b>2006</b> , 30, 463-72	3.2	12
47	Evidence for planctonic feeding in the larva of <i>Stylochus mediterraneus</i> (Turbellaria - Polycladida). <i>Bollettino Di Zoologia</i> , <b>1987</b> , 54, 83-85		12
46	Molecular characterization and metal induced gene expression of the novel glutathione peroxidase 7 from the chordate invertebrate <i>Ciona robusta</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2018</b> , 205, 1-7	3.2	11
45	Immunotoxicity in ascidians: antifouling compounds alternative to organotin-IV. The case of zinc pyrithione. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2015</b> , 169, 16-24	3.2	11
44	Protection from Oxidative Stress in Immunocytes of the Colonial Ascidian <i>Botryllus schlosseri</i> : Transcript Characterization and Expression Studies. <i>Biological Bulletin</i> , <b>2017</b> , 232, 45-57	1.5	10
43	A proposed integrated bioindex for the macrofouling biocoenosis of hard substrata in the lagoon of Venice. <i>Estuarine, Coastal and Shelf Science</i> , <b>2013</b> , 130, 190-201	2.9	10
42	Apoptosis and pattern of Bcl-2 and Bax expression in the alimentary tract during the colonial blastogenetic cycle of <i>Botryllus schlosseri</i> (Urochordata, Ascidacea). <i>Italian Journal of Zoology</i> , <b>2009</b> , 76, 28-42		10

41	Immunolocation of phenoloxidase in vacuoles of the compound ascidian <i>Botryllus schlosseri</i> morula cells. <i>Italian Journal of Zoology</i> , <b>2000</b> , 67, 273-276		10
40	Functional amyloidogenesis in immunocytes from the colonial ascidian <i>Botryllus schlosseri</i> : Evolutionary perspective. <i>Developmental and Comparative Immunology</i> , <b>2019</b> , 90, 108-120	3.2	10
39	Phagocytic and enzymatic activities of cells and urn cell complexes in the coelomic fluid of the marine worm <i>Sipunculus nudus</i> (Sipuncula). <i>Italian Journal of Zoology</i> , <b>2001</b> , 68, 273-280		8
38	Life history and ecological genetics of the colonial ascidian <i>Botryllus schlosseri</i> . <i>Zoologischer Anzeiger</i> , <b>2015</b> , 257, 54-70	1.1	7
37	Relationships among hemocytes, tunic cells, germ cells, and accessory cells in the colonial ascidian <i>Botryllus schlosseri</i> . <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , <b>2011</b> , 316, 284-95	1.8	7
36	Calcium homeostasis and yeast phagocytosis in hemocytes of the colonial ascidian <i>Botryllus schlosseri</i> . <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , <b>1997</b> , 118, 153-8		7
35	RGD-containing molecules induce macropinocytosis in ascidian hyaline amoebocytes. <i>Journal of Invertebrate Pathology</i> , <b>2006</b> , 91, 124-30	2.6	7
34	Larval Development in <i>Echinoplana celerrima</i> (Turbellaria: Polycladida). <i>Transactions of the American Microscopical Society</i> , <b>1984</b> , 103, 31		7
33	Complement system and phagocytosis in a colonial protochordate. <i>Developmental and Comparative Immunology</i> , <b>2020</b> , 103, 103530	3.2	7
32	Maristem Stem Cells of Marine/Aquatic Invertebrates: From Basic Research to Innovative Applications. <i>Sustainability</i> , <b>2018</b> , 10, 526	3.6	6
31	Beyond Adult Stem Cells: Dedifferentiation as a Unifying Mechanism Underlying Regeneration in Invertebrate Deuterostomes. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 587320	5.7	6
30	BsTLR1: A new member of the TLR family of recognition proteins from the colonial ascidian <i>Botryllus schlosseri</i> . <i>Fish and Shellfish Immunology</i> , <b>2020</b> , 106, 967-974	4.3	6
29	Origin and Functions of Tunicate Hemocytes <b>2016</b> , 29-49		6
28	The haemocytes of the colonial aplousobranch ascidian <i>Diplosoma listerianum</i> : Structural, cytochemical and functional analyses. <i>Micron</i> , <b>2017</b> , 102, 51-64	2.3	5
27	Stem cells of aquatic invertebrates as an advanced tool for assessing ecotoxicological impacts. <i>Science of the Total Environment</i> , <b>2021</b> , 771, 144565	10.2	5
26	Routes in Innate Immunity Evolution: Galectins and Rhamnose-binding Lectins in Ascidiaceans <b>2013</b> , 185-205		4
25	TCMS inhibits ATP synthesis in mitochondria: a systematic analysis of the inhibitory mechanism. <i>Toxicology in Vitro</i> , <b>2007</b> , 21, 1127-33	3.6	4
24	Influence of cadmium on the morphology and functionality of haemocytes in the compound ascidian <i>Botryllus schlosseri</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2013</b> , 158, 29-35	3.2	3

23	Interactions of Cr(VI) and Cr(III) with isolated rat liver mitochondria. <i>Inorganic Chemistry Communication</i> , <b>2010</b> , 13, 676-678	3.1	3
22	Preliminary report on the effects of salinity on the early development of <i>Stylochus mediterraneus</i> (Turbellaria: Polycladida). <i>International Journal of Invertebrate Reproduction and Development</i> , <b>1984</b> , 7, 259-262		3
21	Stem Cells in Sexual and Asexual Reproduction of <i>Botryllus schlosseri</i> (Ascidiacea, Tunicata): An Overview <b>2009</b> , 267-280		3
20	Cytotoxic Cells of Compound Ascidiaceans <b>2016</b> , 193-203		3
19	Expression of genes involved in oxidative stress response in colonies of the ascidian <i>Botryllus schlosseri</i> exposed to various environmental conditions. <i>Estuarine, Coastal and Shelf Science</i> , <b>2017</b> , 187, 22-27	2.9	2
18	In vitro effects of nonylphenol on functional responses of haemocytes of the colonial ascidian <i>Botryllus schlosseri</i> . <i>Marine Pollution Bulletin</i> , <b>2011</b> , 62, 2042-6	6.7	2
17	SATRAP: SOLiD Assembler TRANslation Program. <i>PLoS ONE</i> , <b>2015</b> , 10, e0137436	3.7	2
16	Genotoxicity and Immunotoxicity of Organotins <b>2012</b> , 97-111		2
15	A pan-metazoan concept for adult stem cells: the wobbling Penrose landscape. <i>Biological Reviews</i> , <b>2021</b> , 97, 299	13.5	2
14	Immunotoxicity in Ascidiaceans: the Case of Organotin Compounds <b>2001</b> , 374-379		2
13	Colony Specificity in <i>Botrylloides leachi</i> (Savigny): Preliminary Reports <b>2001</b> , 442-444		2
12	Insights into the Complement System of Tunicates: C3a/C5aR of the Colonial Ascidian. <i>Biology</i> , <b>2020</b> , 9,	4.9	2
11	Stem Cells and Innate Immunity in Aquatic Invertebrates: Bridging Two Seemingly Disparate Disciplines for New Discoveries in Biology. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 688106	8.4	2
10	Regulatory cis- and trans-elements of mitochondrial D-loop-driven reporter genes in budding tunicates. <i>Mitochondrion</i> , <b>2017</b> , 35, 59-69	4.9	1
9	Data on four apoptosis-related genes in the colonial tunicate <i>Botryllus schlosseri</i> . <i>Data in Brief</i> , <b>2016</b> , 8, 142-52	1.2	1
8	Beef heart mitochondria for the Rotenone monitoring. <i>Analytical Methods</i> , <b>2010</b> , 2, 809	3.2	1
7	Effects of hydraulic dredging on target species <i>Chamelea gallina</i> from the northern Adriatic Sea: physiological responses and shell damage. <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>2003</b> , 83, 1281-1285	1.1	1
6	Stress granules in <i>Ciona robusta</i> : First evidences of TIA-1-related nucleolysin and tristetraprolin gene expression under metal exposure. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2021</b> , 243, 108977	3.2	1

- 5 Giovanni Canestrini's catalogue of the marine malacological collection at the Museo di Zoologia, Padua. *Archives of Natural History*, **2019**, 46, 58-62 0.1
- 4 Reproduction in Tunicates **2018**, 546-553
- 3 Giovanni Canestrini's heritage at the Zoology Museum of Padova University (Italy): a rediscovery of his arachnological collections and described species. *Arachnologische Mitteilungen*, **2018**, 55, 36-41 0.4
- 2 Characterisation and functional role of a novel C1qDC protein from a colonial ascidian. *Developmental and Comparative Immunology*, **2021**, 122, 104077 3.2
- 1 Studying Regeneration in Ascidiaceans: An Historical Overview.. *Methods in Molecular Biology*, **2022**, 2450, 27-48 1.4