M Daniela Candia Carnevali

List of Publications by Year
in descending order

77 papers	1,746 citations	257450 24 h-index	345221 36 g-index
78 all docs	78 docs citations	78 times ranked	1050 citing authors

#	Article	IF	Citations
1	Studying Echinodermata Arm Explant Regeneration Using Echinaster sepositus. Methods in Molecular Biology, 2022, 2450, 263-291.	0.9	2
2	From Food Waste to Innovative Biomaterial: Sea Urchin-Derived Collagen for Applications in Skin Regenerative Medicine. Marine Drugs, 2020, 18, 414.	4.6	46
3	Extracellular matrix gene expression during arm regeneration in Amphiura filiformis. Cell and Tissue Research, 2020, 381, 411-426.	2.9	3
4	Functional morphology of the peristomial membrane of regular sea-urchins: structural organization and mechanical properties in Paracentrotus lividus. , 2020, , 207-216.		0
5	Structural and mechanical aspects of the mouth-frame of the brittlestar Ophioderma longicaudum (Retz.). , 2020, , 387-392.		0
6	Marine-derived collagen biomaterials from echinoderm connective tissues. Marine Environmental Research, 2017, 128, 46-57.	2.5	52
7	Wound repair during arm regeneration in the red starfish <scp><i>E</i></scp><i>chinaster sepositus</i>. Wound Repair and Regeneration, 2015, 23, 611-622.	3.0	22
8	Reâ€growth, morphogenesis, and differentiation during starfish arm regeneration. Wound Repair and Regeneration, 2015, 23, 623-634.	3.0	25
9	Mechanical Properties of the Compass Depressors of the Sea-Urchin Paracentrotus lividus (Echinodermata, Echinoidea) and the Effects of Enzymes, Neurotransmitters and Synthetic Tensilin-Like Protein. PLoS ONE, 2015, 10, e0120339.	2.5	14
10	Ultrastructural and biochemical characterization of mechanically adaptable collagenous structures in the edible sea urchin Paracentrotus lividus. Zoology, 2015, 118, 147-160.	1.2	14
11	Comparing dynamic connective tissue in echinoderms and sponges: Morphological and mechanical aspects and environmental sensitivity. Marine Environmental Research, 2014, 93, 123-132.	2.5	15
12	Primary cell cultures from sea urchin ovaries: a new experimental tool. In Vitro Cellular and Developmental Biology - Animal, 2014, 50, 139-145.	1.5	11
13	Echinoderm regeneration: an in vitro approach using the crinoid Antedon mediterranea. Cell and Tissue Research, 2014, 358, 189-201.	2.9	11
14	The reaction of the sponge Chondrosia reniformis to mechanical stimulation is mediated by the outer epithelium and the release of stiffening factor(s). Zoology, 2014, 117, 282-291.	1.2	12
15	Production, Characterization and Biocompatibility of Marine Collagen Matrices from an Alternative and Sustainable Source: The Sea Urchin Paracentrotus lividus. Marine Drugs, 2014, 12, 4912-4933.	4.6	71
16	The elusive role of l-glutamate as an echinoderm neurotransmitter: evidence for its involvement in the control of crinoid arm muscles. Zoology, 2013, 116, 1-8.	1.2	9
17	Exploring endocrine regulation of sea urchin reproductive biology: effects of 17ÃŸ-oestradiol. Journal of the Marine Biological Association of the United Kingdom, 2012, 92, 1419-1426.	0.8	7
18	Correlations Between the Biochemistry and Mechanical States of a Sea-Urchin Ligament: A Mutable Collagenous Structure. Biointerphases, 2012, 7, 38.	1.6	18

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19	Larval development in the feather star<i>Antedon mediterranea</i>. Invertebrate Reproduction and Development, 2012, 56, 124-137.	0.8	8
20	The mechanically adaptive connective tissue of echinoderms: Its potential for bio-innovation in applied technology and ecology. Marine Environmental Research, 2012, 76, 108-113.	2.5	32
21	Reproductive cycle and sex hormones in the feather star Antedon mediterranea. Journal of Experimental Marine Biology and Ecology, 2012, 422-423, 129-136.	1.5	2
22	Ecophysiology of mesohyl creep in the demosponge Chondrosia reniformis (Porifera: Chondrosida). Journal of Experimental Marine Biology and Ecology, 2012, 428, 24-31.	1.5	22
23	Matrix Metalloproteinases in a Sea Urchin Ligament with Adaptable Mechanical Properties. PLoS ONE, 2012, 7, e49016.	2.5	26
24	New Insights into Mutable Collagenous Tissue: Correlations between the Microstructure and Mechanical State of a Sea-Urchin Ligament. PLoS ONE, 2011, 6, e24822.	2.5	39
25	New evidence of serotonin involvement in the neurohumoral control of crinoid arm regeneration: effects of parachlorophenylanine and methiothepin. Journal of the Marine Biological Association of the United Kingdom, 2010, 90, 555-562.	0.8	7
26	Wound healing and arm regeneration in Ophioderma longicaudum and Amphiura filiformis (Ophiuroidea, Echinodermata): comparative morphogenesis and histogenesis. Zoomorphology, 2010, 129, 1-19.	0.8	53
27	Chemical fate and biological effects of several endocrine disrupters compounds in two echinoderm species. Ecotoxicology, 2010, 19, 538-554.	2.4	22
28	Physiological and immunocytochemical evidence that glutamatergic neurotransmission is involved in the activation of arm autotomy in the featherstar Antedon mediterranea (Echinodermata: Crinoidea). Journal of Experimental Biology, 2010, 213, 2104-2115.	1.7	21
29	Reproductive cycle of Antedon mediterranea (Crinoidea, Echinodermata): correlation between morphology and physiology. Zoomorphology, 2009, 128, 119-134.	0.8	5
30	A dynamic model for predicting chemical concentrations in water and biota during the planning phase of aquatic ecotoxicological tests. Chemosphere, 2009, 75, 915-923.	8.2	3
31	Echinoderm regenerative response as a sensitive ecotoxicological test for the exposure to endocrine disrupters: effects of p,pâ€²DDE and CPA on crinoid arm regeneration. Cell Biology and Toxicology, 2008, 24, 573-586.	5.3	12
32	Endocrine disrupting compounds and echinoderms: new ecotoxicological sentinels for the marine ecosystem. Ecotoxicology, 2007, 16, 95-108.	2.4	68
33	A simple model to predict compound loss processes in aquatic ecotoxicological tests: calculated and measured triphenyltin levels in water and biota. International Journal of Environmental Analytical Chemistry, 2006, 86, 171-184.	3.3	6
34	Triphenyltin alters androgen metabolism in the sea urchin Paracentrotus lividus. Aquatic Toxicology, 2006, 79, 247-256.	4.0	32
35	Steroid levels in crinoid echinoderms are altered by exposure to model endocrine disruptors. Steroids, 2006, 71, 489-497.	1.8	21
36	Visceral regeneration in the crinoid Antedon mediterranea: basic mechanisms, tissues and cells involved in gut regrowth. Open Life Sciences, 2006, 1, 609-635.	1.4	17

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37	Effects of exposure to ED contaminants (TPT-Cl and Fenarimol) on crinoid echinoderms: comparative analysis of regenerative development and correlated steroid levels. Marine Biology, 2006, 149, 65-77.	1.5	16
38	Mechanical adaptability of a sponge extracellular matrix: evidence for cellular control of mesohyl stiffness in Chondrosia reniformisNardo. Journal of Experimental Biology, 2006, 209, 4436-4443.	1.7	22
39	Functional morphology of the compass-rotular ligament of Echinus esculentus (Echinodermata:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 9-26.	0.8	5
40	Regenerative Response and Endocrine Disrupters in Crinoid Echinoderms: An Old Experimental Model, a New Ecotoxicological Test. , 2005, 39, 167-200.		16
41	Anbmp2/4is a new member of the transforming growth factorâ€"Î² superfamily isolated from a crinoid and involved in regeneration. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1341-1347.	2.6	31
42	Expression of transforming growth factor Î²-like molecules in normal and regenerating arms of the crinoidAntedon mediterranea: immunocytochemical and biochemical evidence. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1741-1747.	2.6	22
43	Dynamic structure of the mesohyl in the sponge Chondrosia reniformis (Porifera, Demospongiae). Zoomorphology, 2001, 121, 109-121.	0.8	42
44	Changes in Ubiquitin Conjugates and Hsp72 Levels During Arm Regeneration in Echinoderms. Marine Biotechnology, 2001, 3, 4-15.	2.4	14
45	Introduction to the biology of regeneration in echinoderms. Microscopy Research and Technique, 2001, 55, 365-368.	2.2	41
46	Microscopic overview of crinoid regeneration. Microscopy Research and Technique, 2001, 55, 403-426.	2.2	90
47	Regeneration neurohormones and growth factors in echinoderms. Canadian Journal of Zoology, 2001, 79, 1171-1208.	1.0	12
48	Growth Factors, Heat-Shock Proteins and Regeneration in Echinoderms. Journal of Experimental Biology, 2001, 204, 843-848.	1.7	42
49	PCB exposure and regeneration in crinoids (Echinodermata). Marine Ecology - Progress Series, 2001, 215, 155-167.	1.9	24
50	Growth factors, heat-shock proteins and regeneration in echinoderms. Journal of Experimental Biology, 2001, 204, 843-8.	1.7	31
51	A spicule-reinforced contractile mesentery: organisation and mechanical behaviour of the exterior coelomic septum of Stylocidaris affinis (Echinodermata, Echinoida). Zoomorphology, 2000, 120, 119-133.	0.8	2
52	Leucine transport in Xenopus laevis oocytes: Functional and morphological analysis of different defolliculation procedures. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1998, 119, 1009-1017.	1.8	2
53	Cellular and molecular mechanisms of arm regeneration in crinoid echinoderms: the potential of arm explants. Development Genes and Evolution, 1998, 208, 421-430.	0.9	49
54	Muscle growth in response to changing demands of functions in the teleost Sparus aurata (L.) during development from hatching to juvenile. Anatomy and Embryology, 1998, 198, 487-504.	1.5	41

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55	Organization and mechanical behaviour of myocyte-ligament composites in a sea-urchin lantern: the compass depressors of Stylocidaris affinis (Echinodermata, Echinoida). Zoomorphology, 1998, 118, 87-101.	0.8	9
56	Localization of calcitonin gene-related peptide mRNA in developing olfactory axons. Cell and Tissue Research, 1998, 294, 81-91.	2.9	21
57	Mechanical properties of sea-urchin lantern muscles: a comparative investigation of intact muscle groups in Paracentrotus lividus (Lam.) and Stylocidaris affinis (Phil.) (Echinodermata, Echinoidea). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1998, 168, 204-212.	1.5	18
58	Pattern of bromodeoxyuridine incorporation in the advanced stages of arm regeneration in the feather star Antedon mediterranea. Cell and Tissue Research, 1997, 289, 363-374.	2.9	44
59	Mechanical properties of the peristomial membrane of the cidaroid sea-urchinStylocidaris affinis. Journal of Zoology, 1996, 238, 557-569.	1.7	7
60	Tissue distribution of monoamine neurotransmitters in normal and regenerating arms of the feather star Antedon mediterranea. Cell and Tissue Research, 1996, 285, 341-352.	2.9	22
61	Pattern of cell proliferation in the early stages of arm regeneration in the feather starAntedon mediterranea. The Journal of Experimental Zoology, 1995, 272, 464-474.	1.4	54
62	The peristomial membrane of regular seaâ€urchins: Functional morphology of the epidermis and coelomic lining inParacentrotus lividus(Lamarck). Bollettino Di Zoologia, 1995, 62, 121-135.	0.3	5
63	Atypical Chordoid Structures in the Aristotle's Lantern of Regular Echinoids. Acta Zoologica, 1994, 75, 89-100.	0.8	7
64	Microarchitecture and mechanics of the seaâ€urchin peristomial membrane. Bollettino Di Zoologia, 1994, 61, 39-51.	0.3	16
65	Mechanisms of arm regeneration in the feather starAntedon mediterranea: Healing of wound and early stages of development. The Journal of Experimental Zoology, 1993, 267, 299-317.	1.4	51
66	The Aristotle's lantern of the sea-urchin Stylocidaris affinis (Echinoida, Cidaridae): functional morphology of the musculo-skeletal system. Zoomorphology, 1993, 113, 173-189.	0.8	25
67	A biomechanical comparison of the lantern of the cidarid sea-urchinStylocidaris affiniswith the typical camarodont lantern. Journal of Zoology, 1993, 231, 595-610.	1.7	7
68	variable tensility of the peristomial membrane of the sea-urchin Paracentrotus livid US (lamarck). Comparative Biochemistry and Physiology A, Comparative Physiology, 1993, 105, 493-501.	0.6	17
69	The compass depressors ofParacentrotus lividus (Echinodermata, Echinoida): ultrastructural and mechanical aspects of their variable tensility and contractility. Zoomorphology, 1992, 112, 143-153.	0.8	31
70	Microstructure and mechanical design in the lantern ossicles of the regular seaâ€urchin<i>Paracentrotus lividusi</i>A scanning electron microscope study. Bollettino Di Zoologia, 1991, 58, 1-42.	0.3	21
71	Mechanical analysis of the seaâ€urchin lantern: the overall system in <i>Paracentrotus lividus</i>. Journal of Zoology, 1990, 220, 345-366.	1.7	20
72	An unusual Z-system in the obliquely striated muscles of crinoids: three-dimensional structure and computer simulations. Journal of Muscle Research and Cell Motility, 1986, 7, 568-578.	2.0	28

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73	Muscle system organization in the echinoderms: II. Microscopic anatomy and functional significance of the muscle-ligament-skeleton system in the arm of the comatulids (Antedon mediterranea). Journal of Morphology, 1985, 185, 59-74.	1.2	21
74	Muscle system organization in the echinoderms: III. Fine structure of the contractile apparatus of the arm flexor muscles of the comatulids (Antedon mediterranea). Journal of Morphology, 1985, 185, 75-87.	1.2	19
75	Slow-acting flight muscles of saturniid moths. Journal of Ultrastructure Research, 1982, 79, 241-249.	1.1	5
76	Z-line in insect muscles: Structural and functional diversities. Bollettino Di Zoologia, 1981, 48, 1-9.	0.3	25
77	Z-line and supercontraction in the hydraulic muscular systems of insect larvae. The Journal of Experimental Zoology, 1978, 203, 15-29.	1.4	20