

Francesco Bonasoro

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,423
citations

279798

23
h-index

361022

35
g-index

57
all docs

57
docs citations

57
times ranked

912
citing authors

#	ARTICLE	IF	CITATIONS
1	Microscopic overview of crinoid regeneration. <i>Microscopy Research and Technique</i> , 2001, 55, 403-426.	2.2	90
2	Production, Characterization and Biocompatibility of Marine Collagen Matrices from an Alternative and Sustainable Source: The Sea Urchin <i>Paracentrotus lividus</i> . <i>Marine Drugs</i> , 2014, 12, 4912-4933.	4.6	71
3	Endocrine disrupting compounds and echinoderms: new ecotoxicological sentinels for the marine ecosystem. <i>Ecotoxicology</i> , 2007, 16, 95-108.	2.4	68
4	Pattern of cell proliferation in the early stages of arm regeneration in the feather star <i>Antedon mediterranea</i> . <i>The Journal of Experimental Zoology</i> , 1995, 272, 464-474.	1.4	54
5	Wound healing and arm regeneration in <i>Ophioderma longicaudum</i> and <i>Amphiura filiformis</i> (Ophiuroidea, Echinodermata): comparative morphogenesis and histogenesis. <i>Zoomorphology</i> , 2010, 129, 1-19.	0.8	53
6	Marine-derived collagen biomaterials from echinoderm connective tissues. <i>Marine Environmental Research</i> , 2017, 128, 46-57.	2.5	52
7	Mechanisms of arm regeneration in the feather star <i>Antedon mediterranea</i> : Healing of wound and early stages of development. <i>The Journal of Experimental Zoology</i> , 1993, 267, 299-317.	1.4	51
8	Cellular and molecular mechanisms of arm regeneration in crinoid echinoderms: the potential of arm explants. <i>Development Genes and Evolution</i> , 1998, 208, 421-430.	0.9	49
9	From Food Waste to Innovative Biomaterial: Sea Urchin-Derived Collagen for Applications in Skin Regenerative Medicine. <i>Marine Drugs</i> , 2020, 18, 414.	4.6	46
10	Pattern of bromodeoxyuridine incorporation in the advanced stages of arm regeneration in the feather star <i>Antedon mediterranea</i> . <i>Cell and Tissue Research</i> , 1997, 289, 363-374.	2.9	44
11	Dynamic structure of the mesohyl in the sponge <i>Chondrosia reniformis</i> (Porifera, Demospongiae). <i>Zoomorphology</i> , 2001, 121, 109-121.	0.8	42
12	Growth Factors, Heat-Shock Proteins and Regeneration in Echinoderms. <i>Journal of Experimental Biology</i> , 2001, 204, 843-848.	1.7	42
13	Introduction to the biology of regeneration in echinoderms. <i>Microscopy Research and Technique</i> , 2001, 55, 365-368.	2.2	41
14	Gametogenesis correlated with steroid levels during the gonadal cycle of the sea urchin <i>Paracentrotus lividus</i> (Echinodermata: Echinoidea). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 147, 466-474.	1.8	36
15	The mechanically adaptive connective tissue of echinoderms: Its potential for bio-innovation in applied technology and ecology. <i>Marine Environmental Research</i> , 2012, 76, 108-113.	2.5	32
16	The compass depressors of <i>Paracentrotus lividus</i> (Echinodermata, Echinoidea): ultrastructural and mechanical aspects of their variable tensility and contractility. <i>Zoomorphology</i> , 1992, 112, 143-153.	0.8	31
17	Identification of particular epithelial areas and cells that transport polypeptide-coated nanoparticles in the nasal respiratory mucosa of the rabbit. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1416, 39-47.	2.6	31
18	Interactive effects between sinking polyethylene terephthalate (PET) microplastics deriving from water bottles and a benthic grazer. <i>Journal of Hazardous Materials</i> , 2020, 398, 122848.	12.4	31

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19	Growth factors, heat-shock proteins and regeneration in echinoderms. <i>Journal of Experimental Biology</i> , 2001, 204, 843-8.	1.7	31
20	Regeneration in Stellate Echinoderms: Crinoidea, Asteroidea and Ophiuroidea. <i>Results and Problems in Cell Differentiation</i> , 2018, 65, 285-320.	0.7	29
21	An integrated view of asteroid regeneration: tissues, cells and molecules. <i>Cell and Tissue Research</i> , 2017, 370, 13-28.	2.9	26
22	Regenerative response and endocrine disrupters in crinoid echinoderms: arm regeneration in <i>Antedon mediterranea</i> after experimental exposure to polychlorinated biphenyls. <i>Journal of Experimental Biology</i> , 2001, 204, 835-842.	1.7	26
23	Reâ€growth, morphogenesis, and differentiation during starfish arm regeneration. <i>Wound Repair and Regeneration</i> , 2015, 23, 623-634.	3.0	25
24	PCB exposure and regeneration in crinoids (Echinodermata). <i>Marine Ecology - Progress Series</i> , 2001, 215, 155-167.	1.9	24
25	Regenerative response and endocrine disrupters in crinoid echinoderms: arm regeneration in <i>Antedon mediterranea</i> after experimental exposure to polychlorinated biphenyls. <i>Journal of Experimental Biology</i> , 2001, 204, 835-42.	1.7	23
26	Tissue distribution of monoamine neurotransmitters in normal and regenerating arms of the feather star <i>Antedon mediterranea</i> . <i>Cell and Tissue Research</i> , 1996, 285, 341-352.	2.9	22
27	Expression of transforming growth factor β -like molecules in normal and regenerating arms of the crinoid <i>Antedon mediterranea</i> : immunocytochemical and biochemical evidence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 1741-1747.	2.6	22
28	Mechanical adaptability of a sponge extracellular matrix: evidence for cellular control of mesohyl stiffness in <i>Chondrosia reniformis</i> Nardo. <i>Journal of Experimental Biology</i> , 2006, 209, 4436-4443.	1.7	22
29	Chemical fate and biological effects of several endocrine disrupters compounds in two echinoderm species. <i>Ecotoxicology</i> , 2010, 19, 538-554.	2.4	22
30	Ecophysiology of mesohyl creep in the demosponge <i>Chondrosia reniformis</i> (Porifera: Chondrosida). <i>Journal of Experimental Marine Biology and Ecology</i> , 2012, 428, 24-31.	1.5	22
31	Wound repair during arm regeneration in the red starfish <i>Echinaster sepositus</i> . <i>Wound Repair and Regeneration</i> , 2015, 23, 611-622.	3.0	22
32	Diverse and Productive Source of Biopolymer Inspiration: Marine Collagens. <i>Biomacromolecules</i> , 2021, 22, 1815-1834.	5.4	22
33	Microstructure and mechanical design in the lantern ossicles of the regular seaâ€urchin <i>Paracentrotus lividus</i> : A scanning electron microscope study. <i>Bollettino Di Zoologia</i> , 1991, 58, 1-42.	0.3	21
34	Fundamental aspects of arm repair phase in two echinoderm models. <i>Developmental Biology</i> , 2018, 433, 297-309.	2.0	21
35	Visceral regeneration in the crinoid <i>Antedon mediterranea</i> : basic mechanisms, tissues and cells involved in gut regrowth. <i>Open Life Sciences</i> , 2006, 1, 609-635.	1.4	17
36	Effects of exposure to ED contaminants (TPT-Cl and Fenarimol) on crinoid echinoderms: comparative analysis of regenerative development and correlated steroid levels. <i>Marine Biology</i> , 2006, 149, 65-77.	1.5	16

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37	Comparing dynamic connective tissue in echinoderms and sponges: Morphological and mechanical aspects and environmental sensitivity. <i>Marine Environmental Research</i> , 2014, 93, 123-132.	2.5	15
38	Changes in Ubiquitin Conjugates and Hsp72 Levels During Arm Regeneration in Echinoderms. <i>Marine Biotechnology</i> , 2001, 3, 4-15.	2.4	14
39	Ultrastructural and biochemical characterization of mechanically adaptable collagenous structures in the edible sea urchin <i>Paracentrotus lividus</i> . <i>Zoology</i> , 2015, 118, 147-160.	1.2	14
40	Echinoderm regenerative response as a sensitive ecotoxicological test for the exposure to endocrine disruptors: effects of p,p'-DDE and CPA on crinoid arm regeneration. <i>Cell Biology and Toxicology</i> , 2008, 24, 573-586.	5.3	12
41	The reaction of the sponge <i>Chondrosia reniformis</i> to mechanical stimulation is mediated by the outer epithelium and the release of stiffening factor(s). <i>Zoology</i> , 2014, 117, 282-291.	1.2	12
42	Characterization of Coelomic Fluid Cell Types in the Starfish <i>Marthasterias glacialis</i> Using a Flow Cytometry/Imaging Combined Approach. <i>Frontiers in Immunology</i> , 2021, 12, 641664.	4.8	12
43	<p>New insights into the mutable collagenous tissue of Paracentrotus lividus; preliminary results</p>. <i>Zoosymposia</i> , 2012, 7, 279-285.	0.3	12
44	Echinoderm regeneration: an in vitro approach using the crinoid <i>Antedon mediterranea</i> . <i>Cell and Tissue Research</i> , 2014, 358, 189-201.	2.9	11
45	Organization and mechanical behaviour of myocyte-ligament composites in a sea-urchin lantern: the compass depressors of <i>Stylocidaris affinis</i> (Echinodermata, Echinoida). <i>Zoomorphology</i> , 1998, 118, 87-101.	0.8	9
46	Atypical Chordoid Structures in the Aristotle's Lantern of Regular Echinoids. <i>Acta Zoologica</i> , 1994, 75, 89-100.	0.8	7
47	Title is missing!. <i>Journal of Insect Behavior</i> , 2001, 14, 299-312.	0.7	6
48	The peristomial membrane of regular sea urchins: Functional morphology of the epidermis and coelomic lining in <i>Paracentrotus lividus</i> (Lamarck). <i>Bollettino Di Zoologia</i> , 1995, 62, 121-135.	0.3	5
49	Reproductive cycle of <i>Antedon mediterranea</i> (Crinoidea, Echinodermata): correlation between morphology and physiology. <i>Zoomorphology</i> , 2009, 128, 119-134.	0.8	5
50	A dynamic model for predicting chemical concentrations in water and biota during the planning phase of aquatic ecotoxicological tests. <i>Chemosphere</i> , 2009, 75, 915-923.	8.2	3
51	An evo-devo perspective on the regeneration patterns of continuous arm structures in stellate echinoderms. , 2022, 89, 241-262.		3
52	Leucine transport in <i>Xenopus laevis</i> oocytes: Functional and morphological analysis of different defolliculation procedures. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 1998, 119, 1009-1017.	1.8	2
53	A spicule-reinforced contractile mesentery: organisation and mechanical behaviour of the exterior coelomic septum of <i>Stylocidaris affinis</i> (Echinodermata, Echinoida). <i>Zoomorphology</i> , 2000, 120, 119-133.	0.8	2
54	Studying Echinodermata Arm Explant Regeneration Using <i>Echinaster sepositus</i> . <i>Methods in Molecular Biology</i> , 2022, 2450, 263-291.	0.9	2

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55	New evidence for serotonergic control of regenerative processes in crinoids. , 2004, , 141-146.		0
56	Structural and mechanical aspects of the mouth-frame of the brittlestar <i>Ophioderma longicaudum</i> (Retz.). , 2020, , 387-392.		0