Anna Di Cosmo

List of Publications by Year
in descending order

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Version: 2024-02-01

85	2,253	186265	265206
papers	citations	28 h-index	42 g-index

90	90	90	1675
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Involvement of D-Aspartic acid in the synthesis of testosterone in rat testes. Life Sciences, 1996, 59, 97-104.	4.3	171
2	Cephalopods in neuroscience: regulations, research and the 3Rs. Invertebrate Neuroscience, 2014, 14, 13-36.	1.8	142
3	Neuropeptidergic control of the optic gland ofOctopus vulgaris: FMRF-amide and GnRH immunoreactivity. , 1998, 398, 1-12.		115
4	Occurrence of Sex Steroid Hormones and Their Binding Proteins inOctopus vulgarisLam. Biochemical and Biophysical Research Communications, 1996, 227, 782-788.	2.1	89
5	Ecotoxicological effects of lanthanum in Mytilus galloprovincialis: Biochemical and histopathological impacts. Aquatic Toxicology, 2019, 211, 181-192.	4.0	89
6	Sex steroid hormone fluctuations and morphological changes of the reproductive system of the female ofOctopus vulgaris throughout the annual cycle. The Journal of Experimental Zoology, 2001, 289, 33-47.	1.4	73
7	A estradiol-17? receptor in the reproductive system of the female ofOctopus vulgaris: Characterization and immunolocalization. Molecular Reproduction and Development, 2002, 61, 367-375.	2.0	72
8	Presence of two neuropeptides in the fusiform ganglion and reproductive ducts ofOctopus vulgaris: FMRFamide and gonadotropin-releasing hormone (GnRH). The Journal of Experimental Zoology, 2002, 292, 267-276.	1.4	60
9	Doseâ€Dependent Effects of the Clinical Anesthetic Isoflurane on Octopus vulgaris: A Contribution to Cephalopod Welfare. Journal of Aquatic Animal Health, 2014, 26, 285-294.	1.4	51
10	N-Methyl-d-aspartate Receptor Stimulation Activates Tyrosinase and Promotes Melanin Synthesis in the Ink Gland of the Cuttlefish Sepia officinalis through the Nitric Oxide/cGMP Signal Transduction Pathway. Journal of Biological Chemistry, 2000, 275, 16885-16890.	3.4	45
11	Role of FMRFamide in the reproduction of Octopus vulgaris: molecular analysis and effect on visual input. Peptides, 2003, 24, 1525-1532.	2.4	45
12	Role of olfaction in Octopus vulgaris reproduction. General and Comparative Endocrinology, 2015, 210, 55-62.	1.8	45
13	GnRH in the brain and ovary of Sepia officinalis. Peptides, 2009, 30, 531-537.	2.4	42
14	Dopamine in the ink defence system of Sepia officinalis: biosynthesis, vesicular compartmentation in mature ink gland cells, nitric oxide (NO)/cGMP-induced depletion and fate in secreted ink1. Biochemical Journal, 2004, 378, 785-791.	3.7	40
15	A Calcium-Dependent Nitric Oxide Synthase and NMDA R1 Glutamate Receptor in the Ink Gland ofSepia officinalis:A Hint to a Regulatory Role of Nitric Oxide in Melanogenesis?. Biochemical and Biophysical Research Communications, 1997, 235, 429-432.	2.1	37
16	The presence of APGWamide in Octopus vulgaris: a possible role in the reproductive behavior. Peptides, 2005, 26, 53-62.	2.4	37
17	Behavioral and Perceptual Differences between Sexes in Dogs: An Overview. Animals, 2018, 8, 151.	2.3	37
18	Progesterone receptor in the reproductive system of the female ofOctopus vulgaris: Characterization and immunolocalization. Molecular Reproduction and Development, 1998, 50, 451-460.	2.0	36

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19	A Calcium/Calmodulin-Dependent Nitric Oxide Synthase, NMDAR2/3 Receptor Subunits, and Glutamate in the CNS of the Cuttlefish Sepia officinalis. Journal of Neurochemistry, 2001, 73, 1254-1263.	3.9	36
20	Nitric oxide synthase in the nervous system and ink gland of the cuttlefish Sepia officinalis: Molecular cloning and expression. Biochemical and Biophysical Research Communications, 2005, 338, 1204-1215.	2.1	35
21	Enriched Environment Increases PCNA and PARP1 Levels in Octopus vulgaris Central Nervous System: First Evidence of Adult Neurogenesis in Lophotrochozoa. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2017, 328, 347-359.	1.3	35
22	Subcellular localization and function of melanogenic enzymes in the ink gland of Sepia officinalis. Biochemical Journal, 1997, 323, 749-756.	3.7	34
23	NMDA receptor stimulation induces temporary Î±-tubulin degradation signaled by nitric oxide-mediated tyrosine nitration in the nervous system of Sepia officinalis. Biochemical and Biophysical Research Communications, 2002, 293, 1536-1543.	2.1	33
24	Nitric oxide synthase (NOS) in the brain of the cephalopodSepia officinalis. Journal of Comparative Neurology, 2000, 428, 411-427.	1.6	32
25	Progesterone induces activation inOctopus vulgaris spermatozoa. Molecular Reproduction and Development, 2001, 59, 97-105.	2.0	30
26	N-methyl-D-aspartate receptor-like immunoreactivity in the brain ofSepia andOctopus. Journal of Comparative Neurology, 2004, 477, 202-219.	1.6	30
27	Immunological evidence for progesterone and estradiol receptors in the freshwater crayfishAustropotamobius pallipes. Molecular Reproduction and Development, 2002, 63, 55-62.	2.0	29
28	Sensorial Hierarchy in Octopus vulgarisâ€™s Food Choice: Chemical vs. Visual. Animals, 2020, 10, 457.	2.3	29
29	d-Aspartate in the Male and Female Reproductive System of Octopus vulgaris Lam. General and Comparative Endocrinology, 1995, 100, 69-72.	1.8	28
30	Free l-amino acids and d-aspartate content in the nervous system of Cephalopoda. A comparative study. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1995, 112, 661-666.	1.6	28
31	Oxidative stress, metabolic and histopathological alterations in mussels exposed to remediated seawater by GO-PEI after contamination with mercury. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2020, 243, 110674.	1.8	28
32	L-Glutamate and its Ionotropic Receptors in the Nervous System of Cephalopods. Current Neuropharmacology, 2006, 4, 305-312.	2.9	27
33	Neuropeptidergic control of Octopus oviducal gland. Peptides, 2007, 28, 163-168.	2.4	26
34	Olfactory organ ofOctopus vulgaris: morphology, plasticity, turnover and sensory characterization. Biology Open, 2016, 5, 611-619.	1.2	26
35	Tubulin nitration in human gliomas. Neuroscience Letters, 2006, 394, 57-62.	2.1	25
36	Sperm-attractant peptide influences the spermatozoa swimming behavior in internal fertilization in Octopus vulgaris. Journal of Experimental Biology, 2013, 216, 2229-2237.	1.7	24

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37	Roe enhancement of Paracentrotus lividus : Nutritional effects of fresh and formulated diets. Aquaculture Nutrition, 2019, 25, 26-38.	2.7	23
38	Sense and Insensibility â€“ An Appraisal of the Effects of Clinical Anesthetics on Gastropod and Cephalopod Molluscs as a Step to Improved Welfare of Cephalopods. Frontiers in Physiology, 2018, 9, 1147.	2.8	21
39	The Membranotropic Peptide gH625 to Combat Mixed Candida albicans/Klebsiella pneumoniae Biofilm: Correlation between In Vitro Anti-Biofilm Activity and In Vivo Antimicrobial Protection. Journal of Fungi (Basel, Switzerland), 2021, 7, 26.	3.5	21
40	Calcium currents correlate with oocyte maturation during the reproductive cycle inOctopus vulgaris. Journal of Experimental Zoology Part A, Comparative Experimental Biology, 2005, 303A, 193-202.	1.3	19
41	Control of GnRH expression in the olfactory lobe of Octopus vulgaris. Peptides, 2009, 30, 538-544.	2.4	19
42	Management and Sustainable Exploitation of Marine Environments through Smart Monitoring and Automation. Journal of Marine Science and Engineering, 2022, 10, 297.	2.6	19
43	Localization of l-glutamate and glutamate-like receptors at the squid giant synapse. Brain Research, 1999, 839, 213-220.	2.2	18
44	Neuroendocrineâ€“Immune Systems Response to Environmental Stressors in the Cephalopod Octopus vulgaris. Frontiers in Physiology, 2016, 7, 434.	2.8	17
45	Research Trends in Octopus Biological Studies. Animals, 2021, 11, 1808.	2.3	17
46	The Gonadotropin Releasing Hormone (GnRH)-Like Molecule in ProsobranchPatella caerulea:Potential Biomarker of Endocrine-Disrupting Compounds in Marine Environments. Zoological Science, 2013, 30, 135-140.	0.7	16
47	Morphofunctional characterization and antibacterial activity of haemocytes fromOctopus vulgaris. Journal of Natural History, 2015, 49, 1457-1475.	0.5	16
48	Nitric oxide synthase expression in the central nervous system of Sepia officinalis: an in situ hybridization study. European Journal of Neuroscience, 2007, 26, 1599-1610.	2.6	15
49	OctoPartenopin: Identification and Preliminary Characterization of a Novel Antimicrobial Peptide from the Suckers of Octopus vulgaris. Marine Drugs, 2020, 18, 380.	4.6	15
50	Preâ€•and postsynaptic excitation and inhibition at octopus optic lobe photoreceptor terminals; implications for the function of the â€˜presynaptic bagsâ€™. European Journal of Neuroscience, 2007, 26, 2196-2203.	2.6	14
51	Octopus maya white body show sex-specific transcriptomic profiles during the reproductive phase, with high differentiation in signaling pathways. PLoS ONE, 2019, 14, e0216982.	2.5	14
52	Characterization of Novel Cytoplasmic PARP in the Brain of Octopus vulgaris. Biological Bulletin, 2012, 222, 176-181.	1.8	13
53	Effect of the algal alkaloid caulerpin on neuropeptide Y (NPY) expression in the central nervous system (CNS) of Diplodus sargus. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2019, 205, 203-210.	1.6	13
54	Octopus vulgaris: An Alternative in Evolution. Results and Problems in Cell Differentiation, 2018, 65, 585-598.	0.7	12

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55	Steroidogenesis in the brain of Sepia officinalis and Octopus vulgaris. Frontiers in Bioscience - Elite, 2010, E2, 673-683.	1.8	12
56	A Novel Approach to Primary Cell Culture for Octopus vulgaris Neurons. Frontiers in Physiology, 2018, 9, 220.	2.8	11
57	Fixation of genetic variation and optimization of gene expression: The speed of evolution in isolated lizard populations undergoing Reverse Island Syndrome. PLoS ONE, 2019, 14, e0224607.	2.5	10
58	Ovariectomy Impairs Socio-Cognitive Functions in Dogs. Animals, 2019, 9, 58.	2.3	10
59	Behavioral, physiological and biochemical responses and differential gene expression in Mytilus galloprovincialis exposed to 17 alpha-ethinylestradiol and sodium lauryl sulfate. Journal of Hazardous Materials, 2022, 426, 128058.	12.4	10
60	GABAA- and AMPA-like receptors modulate the activity of an identified neuron within the central pattern generator of the pond snail Lymnaea stagnalis. Invertebrate Neuroscience, 2009, 9, 29-41.	1.8	9
61	Vault-poly-ADP-ribose polymerase in the Octopus vulgaris brain: A regulatory factor of actin polymerization dynamic. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2013, 166, 40-47.	1.6	9
62	Mosaic and Concerted Brain Evolution: The Contribution of Microscopic Comparative Neuroanatomy in Lower Vertebrates. Frontiers in Neuroanatomy, 2019, 13, 86.	1.7	9
63	Molluscan Bioactive Peptides. , 2013, , 276-286.		8
64	Meiofaunal assemblages of the bay of Nisida and the environmental status of the Phlegraean area (Naples, Southern Italy). Marine Biodiversity, 2018, 48, 127-137.	1.0	8
65	Magnitude Assessment of Adult Neurogenesis in the Octopus vulgaris Brain Using a Flow Cytometry-Based Technique. Frontiers in Physiology, 2018, 9, 1050.	2.8	8
66	Mapping of neuropeptide Y expression in <scp>Octopus</scp> brains. Journal of Morphology, 2020, 281, 790-801.	1.2	8
67	Progesterone Affects Vitellogenesis in Octopus vulgaris~!2008-04-01~!2008-08-19~!2008-09-22~!. The Open Zoology Journal, 2010, 1, 29-36.	0.4	8
68	In an octopus's garden in the shade: Underwater image analysis of litter use by benthic octopuses. Marine Pollution Bulletin, 2022, 175, 113339.	5.0	7
69	Molluscan Bioactive Peptides. , 2006, , 235-240.		6
70	Cognitive Stimulation Induces Differential Gene Expression in Octopus vulgaris: The Key Role of Protocadherins. Biology, 2020, 9, 196.	2.8	6
71	Histone H1-like protein and a testis-specific variant in the reproductive tracts ofOctopus vulgaris. Molecular Reproduction and Development, 2002, 63, 355-365.	2.0	5
72	Molluscan Peptides and Reproduction. , 2006, , 241-246.		5

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73	Multimodal signaling in the visuo-acoustic mismatch paradigm: similarities between dogs and children in the communicative approach. Animal Cognition, 2020, 23, 833-841.	1.8	5
74	Identification and Characterization of a Rhodopsin Kinase Gene in the Suckers of Octopus vulgaris: Looking around Using Arms?. Biology, 2021, 10, 936.	2.8	5
75	Lost in phototransduction a few facts and hypotheses on cephalopod photoresponse. Frontiers in Bioscience - Scholar, 2009, S1, 319-328.	2.1	4
76	The differential role of Leydig cells in the skin and gills of Lissotriton italicus larvae. Microscopy Research and Technique, 2022, , .	2.2	3
77	Neuroecology: Forces that shape the octopus brain. Current Biology, 2022, 32, R131-R135.	3.9	3
78	Editorial: Sentience, Pain, and Anesthesia in Advanced Invertebrates. Frontiers in Physiology, 2019, 10, 1141.	2.8	2
79	Coupling feeding activity, growth rates and molecular data shows dietetic needs of Ciona robusta (Ascidiacea, Phlebobranchia) in automatic culture plants. Scientific Reports, 2020, 10, 11295.	3.3	2
80	Fluorescence-histochemical and ultrastructural research on the monoaminergic neurosecretory cells of the earthworm Octolasium complanatum (Annelida: Oligochaeta). General and Comparative Endocrinology, 1988, 71, 243-256.	1.8	1
81	Glutathione suppresses spontaneous activity in the frog spinal cord. NeuroReport, 1995, 6, 1669-1673.	1.2	1
82	First insights into the meiofauna community of a maerl bed in the Bay of Brest (Brittany). Scientia Marina, 2022, 86, e024.	0.6	1
83	D-Aspartate like immunoreactivity in the optic lobe of the octopus. Journal of Physiology (Paris), 1994, 88, 413.	2.1	0
84	Occurrence of Sex Steroid Hormones and Their Binding Proteins inOctopus vulgarisLam. Biochemical and Biophysical Research Communications, 1996, 229, 361.	2.1	0
85	The Ink Gland of Sepia Officinalis as Biological Model for Investigations of Melanogenesis. , 1998, , 147-149.		0