

Rosaria Scudiero

List of Publications by Year in descending order

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84
papers

1,616
citations

257450

24
h-index

377865

34
g-index

84
all docs

84
docs citations

84
times ranked

1670
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy metal bioaccumulation and metallothionein content in tissues of the sea bream <i>Sparus aurata</i> from three different fish farming systems. <i>Environmental Monitoring and Assessment</i> , 2010, 165, 321-329.	2.7	65
2	Cadmium-induced differential accumulation of metallothionein isoforms in the Antarctic icefish, which exhibits no basal metallothionein protein but high endogenous mRNA levels. <i>Biochemical Journal</i> , 1998, 332, 475-481.	3.7	64
3	Difference in hepatic metallothionein content in Antarctic red-blooded and haemoglobinless fish: undetectable metallothionein levels in haemoglobinless fish is accompanied by accumulation of untranslated metallothionein mRNA. <i>Biochemical Journal</i> , 1997, 322, 207-211.	3.7	48
4	Changes in zinc, copper and metallothionein contents during oocyte growth and early development of the teleost <i>Danio rerio</i> (zebrafish). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2003, 135, 191-196.	2.6	48
5	Cadmium induces an apoptotic response in sea urchin embryos. <i>Cell Stress and Chaperones</i> , 2007, 12, 44.	2.9	42
6	Sex- and tissue-specific expression of aspartic proteinases in <i>Danio rerio</i> (zebrafish). <i>Gene</i> , 2000, 260, 67-75.	2.2	39
7	Cadmium distribution and metallothionein expression in lizard tissues following acute and chronic cadmium intoxication. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2006, 144, 272-278.	2.6	39
8	Structural and functional analysis of metal regulatory elements in the promoter region of genes encoding metallothionein isoforms in the Antarctic fish <i>Chionodraco hamatus</i> (icefish). <i>Gene</i> , 2001, 274, 199-208.	2.2	38
9	Adaptive evolution and functional divergence of pepsin gene family. <i>Gene</i> , 2004, 333, 81-90.	2.2	38
10	Gadolinium perturbs expression of skeletogenic genes, calcium uptake and larval development in phylogenetically distant sea urchin species. <i>Aquatic Toxicology</i> , 2018, 194, 57-66.	4.0	38
11	Isolation and primary structure determination of a metallothionein from <i>Paracentrotus lividus</i> (Echinodermata, Echinoidea). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1995, 111, 329-336.	1.6	37
12	Identification of cadmium-sensitive genes in the Antarctic fish <i>Chionodraco hamatus</i> by messenger RNA differential display. <i>Gene</i> , 2002, 299, 117-124.	2.2	35
13	High Fat Diet and Inflammation " Modulation of Haptoglobin Level in Rat Brain. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 479.	3.7	35
14	Cathepsin D from the liver of the Antarctic icefish <i>Chionodraco hamatus</i> exhibits unusual activity and stability at high temperatures. <i>BBA - Proteins and Proteomics</i> , 1999, 1431, 64-73.	2.1	33
15	Gene amplification and cold adaptation of pepsin in Antarctic fish. A possible strategy for food digestion at low temperature. <i>Gene</i> , 2004, 336, 195-205.	2.2	33
16	Fish and mammalian metallothioneins: a comparative study. <i>Gene</i> , 2005, 345, 21-26.	2.2	33
17	Structure and expression of genes involved in transport and storage of iron in red-blooded and hemoglobin-less antarctic notothenioids. <i>Gene</i> , 2007, 397, 1-11.	2.2	33
18	Histological changes, apoptosis and metallothionein levels in <i>Triturus carnifex</i> (Amphibia, Urodela) exposed to environmental cadmium concentrations. <i>Aquatic Toxicology</i> , 2016, 173, 63-73.	4.0	33

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19	Accumulation of zinc, copper, and metallothionein mRNA in lizard ovary proceeds without a concomitant increase in metallothionein content. <i>Molecular Reproduction and Development</i> , 2003, 66, 374-382.	2.0	31
20	Estrogenic contamination by manure fertilizer in organic farming: a case study with the lizard <i>Podarcis sicula</i> . <i>Ecotoxicology</i> , 2016, 25, 105-114.	2.4	29
21	Stability and conformational dynamics of metallothioneins from the antarctic fish <i>Notothenia coriiceps</i> and mouse. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002, 46, 259-267.	2.6	27
22	Responses to cadmium intoxication in the liver of the wall lizard <i>Podarcis sicula</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010, 151, 194-203.	2.6	26
23	Evaluation of cadmium, lead and metallothionein contents in the tissues of mussels (<i>Mytilus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 <i>Biologies</i> , 2014, 337, 451-458.	0.2	25
24	Oxidative stress and mitochondrial uncoupling protein 2 expression in hepatic steatosis induced by exposure to xenobiotic DDE and high fat diet in male Wistar rats. <i>PLoS ONE</i> , 2019, 14, e0215955.	2.5	25
25	Molecular cloning and sequence determination of a novel aspartic proteinase from Antarctic fish. <i>BBA - Proteins and Proteomics</i> , 1998, 1387, 457-461.	2.1	24
26	Structural characterization and thermal stability of <i>Notothenia coriiceps</i> metallothionein. <i>Biochemical Journal</i> , 2001, 354, 291-299.	3.7	24
27	Phylogenetic Divergence of Fish and Mammalian Metallothionein: Relationships with Structural Diversification and Organismal Temperature. <i>Journal of Molecular Evolution</i> , 2003, 57, S250-S257.	1.8	24
28	PACAP and PAC1 receptor in the reproductive cycle of male lizard <i>Podarcis sicula</i> . <i>General and Comparative Endocrinology</i> , 2014, 205, 102-108.	1.8	24
29	High affinity copper transport protein in the lizard <i>Podarcis sicula</i> : molecular cloning, functional characterization and expression in somatic tissues, follicular oocytes and eggs. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2002, 1576, 127-135.	2.4	23
30	Haptoglobin increases with age in rat hippocampus and modulates Apolipoprotein E mediated cholesterol trafficking in neuroblastoma cell lines. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 212.	3.7	23
31	Physiological Adaptation to Simultaneous Chronic Exposure to High-Fat Diet and Dichlorodiphenylethylene (DDE) in Wistar Rat Testis. <i>Cells</i> , 2019, 8, 443.	4.1	22
32	Evolutionary fate of duplicate genes encoding aspartic proteinases. Nothepsin case study. <i>Gene</i> , 2006, 368, 101-109.	2.2	21
33	Cadmium impairment of reproduction in the female wall lizard <i>Podarcis sicula</i> . <i>Environmental Toxicology</i> , 2013, 28, 553-562.	4.0	21
34	Cadmium contaminated soil affects retinogenesis in lizard embryos. <i>Journal of Experimental Zoology</i> , 2014, 321, 207-219.	1.2	21
35	Cadmium-induced teratogenicity in lizard embryos: Correlation with metallothionein gene expression. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011, 153, 119-127.	2.6	20
36	Structural characterization and thermal stability of <i>Notothenia coriiceps</i> metallothionein. <i>Biochemical Journal</i> , 2001, 354, 291.	3.7	19

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37	Oestrogen-induced expression of a novel liver-specific aspartic proteinase in <i>Danio rerio</i> (zebrafish). <i>Gene</i> , 2002, 295, 241-246.	2.2	19
38	Molecular cloning and sequencing of metallothionein in squamates: New insights into the evolution of the metallothionein genes in vertebrates. <i>Gene</i> , 2008, 423, 48-56.	2.2	19
39	The VIP/VPACR system in the reproductive cycle of male lizard <i>Podarcis sicula</i> . <i>General and Comparative Endocrinology</i> , 2014, 205, 94-101.	1.8	19
40	Eco-physiological and Antioxidant Responses of Holm Oak (<i>Quercus ilex</i> L.) Leaves to Cd and Pb. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	19
41	A comparative review on estrogen receptors in the reproductive male tract of non mammalian vertebrates. <i>Steroids</i> , 2018, 134, 1-8.	1.8	18
42	Tissue-specific regulation of metallothionein and metallothionein mRNA accumulation in the Antarctic notothenioid, <i>Notothenia coriiceps</i> . <i>Polar Biology</i> , 2000, 23, 17-23.	1.2	17
43	Estrogen-dependent, extrahepatic synthesis of vitellogenin in male vertebrates: A mini-review. <i>Comptes Rendus - Biologies</i> , 2017, 340, 139-144.	0.2	17
44	How Glyphosate Impairs Liver Condition in the Field Lizard <i>Podarcis siculus</i> (Rafinesque-Schmaltz, 1810): Histological and Molecular Evidence. <i>BioMed Research International</i> , 2019, 2019, 1-13.	1.9	17
45	Metal-binding proteins in eggs of various sea urchin species.. <i>Cell Biology International</i> , 1994, 18, 47-54.	3.0	16
46	Cadmium, lead and metallothionein contents in cultivated mussels (<i>Mytilus galloprovincialis</i>) from the Gulf of Naples (Southern Italy). <i>Aquaculture Research</i> , 2013, 44, 1076-1084.	1.8	15
47	Gene expression profile of estrogen receptors alpha and beta in rat brain during aging and following high fat diet. <i>Comptes Rendus - Biologies</i> , 2017, 340, 372-378.	0.2	15
48	Long term exposure to cadmium: Pathological effects on kidney tubules cells in <i>Sparus aurata</i> juveniles. <i>Aquatic Toxicology</i> , 2017, 193, 201-209.	4.0	15
49	Metallothionein primary structure in amphibians: Insights from comparative evolutionary analysis in vertebrates. <i>Comptes Rendus - Biologies</i> , 2012, 335, 480-487.	0.2	14
50	Spatiotemporal changes in metallothionein gene expression during embryogenesis in the wall lizard <i>Podarcis sicula</i> . <i>Journal of Experimental Zoology</i> , 2010, 313A, 410-420.	1.2	13
51	Differential gene expression profiles in embryos of the lizard <i>Podarcis sicula</i> under in ovo exposure to cadmium. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010, 151, 33-39.	2.6	13
52	Middle ferritin genes from the icefish <i>Chionodraco rastrospinosus</i> : Comparative analysis and evolution of fish ferritins. <i>Comptes Rendus - Biologies</i> , 2013, 336, 134-141.	0.2	12
53	Ectopic synthesis of vitellogenin in testis and epididymis of estrogen-treated lizard <i>Podarcis sicula</i> . <i>General and Comparative Endocrinology</i> , 2016, 235, 57-63.	1.8	12
54	Age-related changes of metallothionein 1/2 and metallothionein 3 expression in rat brain. <i>Comptes Rendus - Biologies</i> , 2017, 340, 13-17.	0.2	12

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55	Exposure to Dichlorodiphenyldichloroethylene (DDE) and Metallothionein Levels in Rats Fed with Normocaloric or High-Fat Diet: A Review. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1903.	4.1	12
56	Alterations in brain morphology and HSP70 expression in lizard embryos exposed to thermal stress. <i>Comptes Rendus - Biologies</i> , 2016, 339, 380-390.	0.2	11
57	Role of estrogen receptors, P450 aromatase, PCNA and p53 in high-fat-induced impairment of spermatogenesis in rats. <i>Comptes Rendus - Biologies</i> , 2018, 341, 371-379.	0.2	10
58	Toxicological Impact of Rare Earth Elements (REEs) on the Reproduction and Development of Aquatic Organisms Using Sea Urchins as Biological Models. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2876.	4.1	10
59	Molecular and Histological Effects of Glyphosate on Testicular Tissue of the Lizard <i>Podarcis siculus</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 4850.	4.1	10
60	Apparent deficiency of metallothionein in the liver of the Antarctic icefish <i>Chionodraco hamatus</i> . Identification and isolation of a zinc-containing protein unlike metallothionein. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1992, 103, 201-207.	0.2	9
61	Aequorin chimeras as valuable tool in the measurement of Ca ²⁺ concentration during cadmium injury. <i>Toxicology</i> , 2005, 208, 389-398.	4.2	9
62	Metallothionein expression and synthesis in the testis of the lizard <i>Podarcis sicula</i> under natural conditions and following estrogenic exposure. <i>European Journal of Histochemistry</i> , 2017, 61, 2777.	1.5	9
63	Combined effects of DDE and hyperlipidic diet on metallothionein expression and synthesis in rat tissues. <i>Environmental Toxicology</i> , 2019, 34, 283-293.	4.0	9
64	Health status of the lizard <i>Podarcis siculus</i> (Rafinesque-Schmaltz, 1810) subject to different anthropogenic pressures. <i>Comptes Rendus - Biologies</i> , 2019, 342, 81-89.	0.2	9
65	Effects of Cadmium Exposure on Gut Villi in <i>Danio rerio</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 1927.	4.1	9
66	Unravelling the Role of Metallothionein on Development, Reproduction and Detoxification in the Wall Lizard <i>Podarcis sicula</i> . <i>International Journal of Molecular Sciences</i> , 2017, 18, 1569.	4.1	8
67	Evolutionary analysis of the transferrin gene in Antarctic Notothenioides: A history of adaptive evolution and functional divergence. <i>Marine Genomics</i> , 2008, 1, 95-101.	1.1	7
68	Heart Mitochondrial Metabolic Flexibility and Redox Status Are Improved by Donkey and Human Milk Intake. <i>Antioxidants</i> , 2021, 10, 1807.	5.1	7
69	Iron metabolism genes in Antarctic notothenioids: A review. <i>Marine Genomics</i> , 2008, 1, 79-85.	1.1	6
70	Expression of caspase 3 in ovarian follicle cells of the lizard <i>Podarcis sicula</i> . <i>Cell and Tissue Research</i> , 2017, 367, 397-404.	2.9	5
71	Cadmium in <i>Podarcis sicula</i> Disrupts Prefollicular Oocyte Recruitment by Mimicking FSH Action. <i>The Open Zoology Journal</i> , 2010, 3, 37-41.	0.4	5
72	A dopamine- and octopamine-sensitive adenylate cyclase in the nervous system of <i>Octopus vulgaris</i> . <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1991, 100, 805-808.	0.2	4

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73	Metal detoxification and homeostasis in Antarctic Notothenioids. A comparative survey on evolution, expression and functional properties of fish and mammal metallothioneins. <i>Reviews in Environmental Science and Biotechnology</i> , 2006, 5, 253-267.	8.1	4
74	Identification and expression of an atypical isoform of metallothionein in the African clawed frog <i>Xenopus laevis</i> . <i>Comptes Rendus - Biologies</i> , 2015, 338, 314-320.	0.2	3
75	Retinoblastoma binding protein \hat{A} 6 and crystallin lambda \hat{A} 1 are cadmium-responsive genes in zebrafish embryos and adults retinae. <i>Comptes Rendus - Biologies</i> , 2017, 340, 197-203.	0.2	3
76	Exploring the Role of Estrogens in Lizard Spermatogenesis through the Study of Clomiphene and FSH Effects. <i>International Journal of Endocrinology</i> , 2017, 2017, 1-9.	1.5	3
77	HSP70 localization in <i>Podarcis siculus</i> embryos under natural thermal regime and following a non-lethal cold shock. <i>Comptes Rendus - Biologies</i> , 2019, 342, 299-308.	0.2	3
78	Impact of Environmental Stressors on Gene Expression in the Embryo of the Italian Wall Lizard. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4723.	2.5	3
79	Accumulation of untranslated metallothionein mRNA in antarctic hemoglobinless fish (icefish). , 1999, , 167-172.		3
80	Toxicity of Vanadium during Development of Sea Urchin Embryos: Bioaccumulation, Calcium Depletion, ERK Modulation and Cell-Selective Apoptosis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6239.	4.1	3
81	Aspartic proteinases from Antarctic fish. A biochemical and molecular approach. <i>Italian Journal of Zoology</i> , 2000, 67, 21-26.	0.6	0
82	Metal accumulation and transport in the ovary of the lizard <i>Podarcis sicula</i> . <i>Italian Journal of Zoology</i> , 2004, 71, 59-62.	0.6	0
83	Nothepsin. , 2013, , 63-69.		0
84	Metal detoxification and homeostasis in Antarctic Notothenioids. A comparative survey on evolution, expression and functional properties of fish and mammal metallothioneins. , 2006, , 369-383.		0