Rosaria Scudiero

List of Publications by Year in descending order

84 papers	1,616 citations	257357 24 h-index	377752 34 g-index

84 all docs	84 docs citations	84 times ranked	1670 citing authors

#	Article	IF	Citations
1	Effects of Cadmium Exposure on Gut Villi in Danio rerio. International Journal of Molecular Sciences, 2022, 23, 1927.	1.8	9
2	Toxicological Impact of Rare Earth Elements (REEs) on the Reproduction and Development of Aquatic Organisms Using Sea Urchins as Biological Models. International Journal of Molecular Sciences, 2022, 23, 2876.	1.8	10
3	Molecular and Histological Effects of Glyphosate on Testicular Tissue of the Lizard Podarcis siculus. International Journal of Molecular Sciences, 2022, 23, 4850.	1.8	10
4	Toxicity of Vanadium during Development of Sea Urchin Embryos: Bioaccumulation, Calcium Depletion, ERK Modulation and Cell-Selective Apoptosis. International Journal of Molecular Sciences, 2022, 23, 6239.	1.8	3
5	Impact of Environmental Stressors on Gene Expression in the Embryo of the Italian Wall Lizard. Applied Sciences (Switzerland), 2021, 11, 4723.	1.3	3
6	Heart Mitochondrial Metabolic Flexibility and Redox Status Are Improved by Donkey and Human Milk Intake. Antioxidants, 2021, 10, 1807.	2.2	7
7	Exposure to Dichlorodiphenyldichloroethylene (DDE) and Metallothionein Levels in Rats Fed with Normocaloric or High-Fat Diet: A Review. International Journal of Molecular Sciences, 2020, 21, 1903.	1.8	12
8	Combined effects of DDE and hyperlipidic diet on metallothionein expression and synthesis in rat tissues. Environmental Toxicology, 2019, 34, 283-293.	2.1	9
9	How Glyphosate Impairs Liver Condition in the Field Lizard Podarcis siculus (Rafinesque-Schmaltz, 1810): Histological and Molecular Evidence. BioMed Research International, 2019, 2019, 1-13.	0.9	17
10	Health status of the lizard Podarcis siculus (Rafinesque-Schmaltz, 1810) subject to different anthropogenic pressures. Comptes Rendus - Biologies, 2019, 342, 81-89.	0.1	9
11	Physiological Adaptation to Simultaneous Chronic Exposure to High-Fat Diet and Dichlorodipheniletylhene (DDE) in Wistar Rat Testis. Cells, 2019, 8, 443.	1.8	22
12	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. PLoS ONE, 2019, 14, e0215955.	1.1	25
13	HSP70 localization in Podarcis siculus embryos under natural thermal regime and following a non-lethal cold shock. Comptes Rendus - Biologies, 2019, 342, 299-308.	0.1	3
14	A comparative review on estrogen receptors in the reproductive male tract of non mammalian vertebrates. Steroids, 2018, 134, 1-8.	0.8	18
15	Gadolinium perturbs expression of skeletogenic genes, calcium uptake and larval development in phylogenetically distant sea urchin species. Aquatic Toxicology, 2018, 194, 57-66.	1.9	38
16	Role of estrogen receptors, P450 aromatase, PCNA and p53 in high-fat-induced impairment of spermatogenesis in rats. Comptes Rendus - Biologies, 2018, 341, 371-379.	0.1	10
17	Estrogen-dependent, extrahepatic synthesis of vitellogenin in male vertebrates: A mini-review. Comptes Rendus - Biologies, 2017, 340, 139-144.	0.1	17
18	Retinoblastoma binding proteinÂ6 and crystallin lambdaÂ1 are cadmium-responsive genes in zebrafish embryos and adults retinae. Comptes Rendus - Biologies, 2017, 340, 197-203.	0.1	3

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19	Age-related changes of metallothionein 1/2 and metallothionein 3 expression in rat brain. Comptes Rendus - Biologies, 2017, 340, 13-17.	0.1	12
20	Gene expression profile of estrogen receptors alpha and beta in rat brain during aging and following high fat diet. Comptes Rendus - Biologies, 2017, 340, 372-378.	0.1	15
21	Eco-physiological and Antioxidant Responses of Holm Oak (Quercus ilex L.) Leaves to Cd and Pb. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	19
22	Long term exposure to cadmium: Pathological effects on kidney tubules cells in Sparus aurata juveniles. Aquatic Toxicology, 2017, 193, 201-209.	1.9	15
23	Expression of caspase 3 in ovarian follicle cells of the lizard Podarcis sicula. Cell and Tissue Research, 2017, 367, 397-404.	1.5	5
24	Unravelling the Role of Metallothionein on Development, Reproduction and Detoxification in the Wall Lizard Podarcis sicula. International Journal of Molecular Sciences, 2017, 18, 1569.	1.8	8
25	Exploring the Role of Estrogens in Lizard Spermatogenesis through the Study of Clomiphene and FSH Effects. International Journal of Endocrinology, 2017, 2017, 1-9.	0.6	3
26	Metallothionein expression and synthesis in the testis of the lizard Podarcis sicula under natural conditions and following estrogenic exposure. European Journal of Histochemistry, 2017, 61, 2777.	0.6	9
27	Alterations in brain morphology and HSP70 expression in lizard embryos exposed to thermal stress. Comptes Rendus - Biologies, 2016, 339, 380-390.	0.1	11
28	Ectopic synthesis of vitellogenin in testis and epididymis of estrogen-treated lizard Podarcis sicula. General and Comparative Endocrinology, 2016, 235, 57-63.	0.8	12
29	Estrogenic contamination by manure fertilizer in organic farming: a case study with the lizard Podarcis sicula. Ecotoxicology, 2016, 25, 105-114.	1.1	29
30	Histological changes, apoptosis and metallothionein levels in Triturus carnifex (Amphibia, Urodela) exposed to environmental cadmium concentrations. Aquatic Toxicology, 2016, 173, 63-73.	1.9	33
31	High Fat Diet and Inflammation â€“ Modulation of Haptoglobin Level in Rat Brain. Frontiers in Cellular Neuroscience, 2015, 9, 479.	1.8	35
32	Identification and expression of an atypical isoform of metallothionein in the African clawed frog Xenopus laevis. Comptes Rendus - Biologies, 2015, 338, 314-320.	0.1	3
33	Haptoglobin increases with age in rat hippocampus and modulates Apolipoprotein E mediated cholesterol trafficking in neuroblastoma cell lines. Frontiers in Cellular Neuroscience, 2014, 8, 212.	1.8	23
34	The VIP/VPACR system in the reproductive cycle of male lizard Podarcis sicula. General and Comparative Endocrinology, 2014, 205, 94-101.	0.8	19
35	Cadmium contaminated soil affects retinogenesis in lizard embryos. Journal of Experimental Zoology, 2014, 321, 207-219.	1.2	21
36	Evaluation of cadmium, lead and metallothionein contents in the tissues of mussels (Mytilus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 T Biologies, 2014, 337, 451-458.	0.1	25

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37	PACAP and PAC1 receptor in the reproductive cycle of male lizard Podarcis sicula. General and Comparative Endocrinology, 2014, 205, 102-108.	0.8	24
38	Cadmium impairment of reproduction in the female wall lizard Podarcis sicula. Environmental Toxicology, 2013, 28, 553-562.	2.1	21
39	Cadmium, lead and metallothionein contents in cultivated mussels (Mytilus galloprovincialis) from the Gulf of Naples (Southern Italy). Aquaculture Research, 2013, 44, 1076-1084.	0.9	15
40	Middle ferritin genes from the icefish Chionodraco rastrospinosus: Comparative analysis and evolution of fish ferritins. Comptes Rendus - Biologies, 2013, 336, 134-141.	0.1	12
41	Nothepsin. , 2013, , 63-69.		0
42	Metallothionein primary structure in amphibians: Insights from comparative evolutionary analysis in vertebrates. Comptes Rendus - Biologies, 2012, 335, 480-487.	0.1	14
43	Cadmium-induced teratogenicity in lizard embryos: Correlation with metallothionein gene expression. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2011, 153, 119-127.	1.3	20
44	Heavy metal bioaccumulation and metallothionein content in tissues of the sea bream Sparus aurata from three different fish farming systems. Environmental Monitoring and Assessment, 2010, 165, 321-329.	1.3	65
45	Spatiotemporal changes in metallothionein gene expression during embryogenesis in the wall lizard Podarcis sicula. Journal of Experimental Zoology, 2010, 313A, 410-420.	1.2	13
46	Differential gene expression profiles in embryos of the lizard Podarcis sicula under in ovo exposure to cadmium. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 151, 33-39.	1.3	13
47	Responses to cadmium intoxication in the liver of the wall lizard Podarcis sicula. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 151, 194-203.	1.3	26
48	Cadmium in Podarcis sicula Disrupts Prefollicular Oocyte Recruitment by Mimicking FSH Action~!2009-10-06~!2010-01-27~!2010-05-17~!. The Open Zoology Journal, 2010, 3, 37-41.	0.4	5
49	Evolutionary analysis of the transferrin gene in Antarctic Notothenioidei: A history of adaptive evolution and functional divergence. Marine Genomics, 2008, 1, 95-101.	0.4	7
50	Iron metabolism genes in Antarctic notothenioids: A review. Marine Genomics, 2008, 1, 79-85.	0.4	6
51	Molecular cloning and sequencing of metallothionein in squamates: New insights into the evolution of the metallothionein genes in vertebrates. Gene, 2008, 423, 48-56.	1.0	19
52	Cadmium induces an apoptotic response in sea urchin embryos. Cell Stress and Chaperones, 2007, 12, 44.	1.2	42
53	Structure and expression of genes involved in transport and storage of iron in red-blooded and hemoglobin-less antarctic notothenioids. Gene, 2007, 397, 1-11.	1.0	33
54	Cadmium distribution and metallothionein expression in lizard tissues following acute and chronic cadmium intoxication. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2006, 144, 272-278.	1.3	39

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55	Evolutionary fate of duplicate genes encoding aspartic proteinases. Nothepsin case study. Gene, 2006, 368, 101-109.	1.0	21
56	Metal detoxification and homeostasis in Antarctic Notothenioids. A comparative survey on evolution, expression and functional properties of fish and mammal metallothioneins. Reviews in Environmental Science and Biotechnology, 2006, 5, 253-267.	3.9	4
57	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
58	Aequorin chimeras as valuable tool in the measurement of Ca2+ concentration during cadmium injury. Toxicology, 2005, 208, 389-398.	2.0	9
59	Fish and mammalian metallothioneins: a comparative study. Gene, 2005, 345, 21-26.	1.0	33
60	Metal accumulation and transport in the ovary of the lizardPodarcis sicula. Italian Journal of Zoology, 2004, 71, 59-62.	0.6	0
61	Adaptive evolution and functional divergence of pepsin gene family. Gene, 2004, 333, 81-90.	1.0	38
62	Gene amplification and cold adaptation of pepsin in Antarctic fish. A possible strategy for food digestion at low temperature. Gene, 2004, 336, 195-205.	1.0	33
63	Accumulation of zinc, copper, and metallothionein mRNA in lizard ovary proceeds without a concomitant increase in metallothionein content. Molecular Reproduction and Development, 2003, 66, 374-382.	1.0	31
64	Phylogenetic Divergence of Fish and Mammalian Metallothionein: Relationships with Structural Diversification and Organismal Temperature. Journal of Molecular Evolution, 2003, 57, S250-S257.	0.8	24
65	Changes in zinc, copper and metallothionein contents during oocyte growth and early development of the teleost Danio rerio (zebrafish). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2003, 135, 191-196.	1.3	48
66	Oestrogen-induced expression of a novel liver-specific aspartic proteinase in Danio rerio (zebrafish). Gene, 2002, 295, 241-246.	1.0	19
67	Identification of cadmium-sensitive genes in the Antarctic fish Chionodraco hamatus by messenger RNA differential display. Gene, 2002, 299, 117-124.	1.0	35
68	High affinity copper transport protein in the lizard Podarcis sicula: molecular cloning, functional characterization and expression in somatic tissues, follicular oocytes and eggs. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2002, 1576, 127-135.	2.4	23
69	Stability and conformational dynamics of metallothioneins from the antarctic fishNotothenia coriiceps and mouse. Proteins: Structure, Function and Bioinformatics, 2002, 46, 259-267.	1.5	27
70	Structural and functional analysis of metal regulatory elements in the promoter region of genes encoding metallothionein isoforms in the Antarctic fish Chionodraco hamatus (icefish). Gene, 2001, 274, 199-208.	1.0	38
71	Structural characterization and thermal stability of Notothenia coriiceps metallothionein. Biochemical Journal, 2001, 354, 291.	1.7	19
72	Structural characterization and thermal stability of Notothenia coriiceps metallothionein. Biochemical Journal, 2001, 354, 291-299.	1.7	24

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73	Tissue-specific regulation of metallothionein and metallothionein mRNA accumulation in the Antarctic notothenioid, Notothenia coriiceps. Polar Biology, 2000, 23, 17-23.	0.5	17
74	Sex- and tissue-specific expression of aspartic proteinases in Danio rerio (zebrafish). Gene, 2000, 260, 67-75.	1.0	39
75	Aspartic proteinases from Antarctic fish. A biochemical and molecular approach. Italian Journal of Zoology, 2000, 67, 21-26.	0.6	0
76	Cathepsin D from the liver of the Antarctic icefish Chionodraco hamatus exhibits unusual activity and stability at high temperatures. BBA - Proteins and Proteomics, 1999, 1431, 64-73.	2.1	33
77	Accumulation of untranslated metallothionein mRNA in antarctic hemoglobinless fish (icefish). , 1999, , 167-172.		3
78	Molecular cloning and sequence determination of a novel aspartic proteinase from Antarctic fish. BBA - Proteins and Proteomics, 1998, 1387, 457-461.	2.1	24
79	Cadmium-induced differential accumulation of metallothionein isoforms in the Antarctic icefish, which exhibits no basal metallothionein protein but high endogenous mRNA levels. Biochemical Journal, 1998, 332, 475-481.	1.7	64
80	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. Biochemical Journal, 1997, 322, 207-211.	1.7	48
81	Isolation and primary structure determination of a metallothionein from Paracentrotus lividus (Echinodermata, Echinoidea). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1995, 111, 329-336.	0.7	37
82	Metal-binding proteins in eggs of various sea urchin species.. Cell Biology International, 1994, 18, 47-54.	1.4	16
83	Apparent deficiency of metallothionein in the liver of the Antarctic icefish Chionodraco hamatus. Identification and isolation of a zinc-containing protein unlike metallothionein. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1992, 103, 201-207.	0.2	9
84	A dopamine- and octopamine-sensitive adenylate cyclase in the nervous system of Octopus vulgaris. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1991, 100, 805-808.	0.2	4