Maria Leonor Cancela

List of Publications by Year
in descending order

196 papers	4,549 citations	101496 36 h-index	161767 54 g-index
202 all docs	202 docs citations	202 times ranked	5031 citing authors

#	Article	IF	Citations
1	Status, challenges, and perspectives of fish cell cultureâ€"Focus on cell lines capable of in vitro mineralization. , 2022, , 381-404.		2
2	Reversal of Doxorubicin-Induced Bone Loss and Mineralization by Supplementation of Resveratrol and MitoTEMPO in the Early Development of Sparus aurata. Nutrients, 2022, 14, 1154.	1.7	3
3	Antioxidant and Anti-inflammatory Extracts From Sea Cucumbers and Tunicates Induce a Pro-osteogenic Effect in Zebrafish Larvae. Frontiers in Nutrition, 2022, 9, .	1.6	11
4	Cdkl5 mutant zebrafish shows skeletal and neuronal alterations mimicking human CDKL5 deficiency disorder. Scientific Reports, 2022, 12, .	1.6	4
5	Effects of pristine or contaminated polyethylene microplastics on zebrafish development. Chemosphere, 2022, 303, 135198.	4.2	16
6	Lab-It Is Taking Molecular Genetics to School. Biochem, 2022, 2, 160-170.	0.5	0
7	Transcriptional regulation of human T-box 5 gene (TBX5) by bone- and cardiac-related transcription factors. Gene, 2021, 768, 145322.	1.0	5
8	The Essentials of Marine Biotechnology. Frontiers in Marine Science, 2021, 8, .	1.2	75
9	Keutel Syndrome, a Review of 50 Years of Literature. Frontiers in Cell and Developmental Biology, 2021, 9, 642136.	1.8	11
10	Musculoskeletal complications associated with pathological iron toxicity and its molecular mechanisms. Biochemical Society Transactions, 2021, 49, 747-759.	1.6	17
11	Fish Models of Induced Osteoporosis. Frontiers in Cell and Developmental Biology, 2021, 9, 672424.	1.8	14
12	Transcriptional regulation of human DUSP4 gene by cancerâ€related transcription factors. Journal of Cellular Biochemistry, 2021, 122, 1556-1566.	1.2	2
13	Antioxidant, Mineralogenic and Osteogenic Activities of Spartina alterniflora and Salicornia fragilis Extracts Rich in Polyphenols. Frontiers in Nutrition, 2021, 8, 719438.	1.6	6
14	New insights into benzo[â¤]pyrene osteotoxicity in zebrafish. Ecotoxicology and Environmental Safety, 2021, 226, 112838.	2.9	6
15	Evaluation of MGP gene expression in colorectal cancer. Gene, 2020, 723, 144120.	1.0	18
16	ZEB316: A Small Stand-Alone Housing System to Study Microplastics in Small Teleosts. Zebrafish, 2020, 17, 18-26.	0.5	2
17	Expression of four new ferritins from grooved carpet shell clam Ruditapes decussatus challenged with Perkinsus olseni and metals (Cd, Cu and Zn). Aquatic Toxicology, 2020, 229, 105675.	1.9	3
18	A New Network for the Advancement of Marine Biotechnology in Europe and Beyond. Frontiers in Marine Science, 2020, 7, .	1.2	22

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19	The effect of vitamin K insufficiency on histological and structural properties of knee joints in aging mice. Osteoarthritis and Cartilage Open, 2020, 2, 100078.	0.9	4
20	ZFBONE: An ImageJ toolset for semi-automatic analysis of zebrafish bone structures. Bone, 2020, 138, 115480.	1.4	15
21	Data on the evaluation of FGF2 gene expression in Colorectal Cancer. Data in Brief, 2020, 31, 105765.	0.5	8
22	Expression of DUSP4 transcript variants as a potential biomarker for colorectal cancer. Biomarkers in Medicine, 2020, 14, 639-650.	0.6	5
23	Isolation, Culture, and Differentiation of Blastema Cells from the Regenerating Caudal Fin of Zebrafish. Fishes, 2020, 5, 6.	0.7	1
24	Cells Isolated from Regenerating Caudal Fin of Sparus aurata Can Differentiate into Distinct Bone Cell Lineages. Marine Biotechnology, 2020, 22, 333-347.	1.1	2
25	Biopotential of Sea Cucumbers (Echinodermata) and Tunicates (Chordata) from the Western Coast of Portugal for the Prevention and Treatment of Chronic Illnesses. , 2020, 61, .		1
26	Exogenous WNT5A and WNT11 proteins rescue CITED2 dysfunction in mouse embryonic stem cells and zebrafish morphants. Cell Death and Disease, 2019, 10, 582.	2.7	9
27	Reduction of skeletal anomalies in meagre (Argyrosomus regius, Asso, 1801) through early introduction of inert diet. Aquaculture Research, 2019, 50, 2782-2792.	0.9	2
28	Warfarin-exposed zebrafish embryos resembles human warfarin embryopathy in a dose and developmental-time dependent manner â€“ From molecular mechanisms to environmental concerns. Ecotoxicology and Environmental Safety, 2019, 181, 559-571.	2.9	16
29	Intracellular iron uptake is favored in Hfeâ€KO mouse primary chondrocytes mimicking an osteoarthritisâ€related phenotype. BioFactors, 2019, 45, 583-597.	2.6	24
30	Anti-Osteogenic Activity of Cadmium in Zebrafish. Fishes, 2019, 4, 11.	0.7	13
31	Altered bone microarchitecture in a type 1 diabetes mouse model Ins2^{Akita}. Journal of Cellular Physiology, 2019, 234, 9338-9350.	2.0	11
32	Circulating small non-coding RNAs provide new insights into vitamin K nutrition and reproductive physiology in teleost fish. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 39-51.	1.1	18
33	Multibiomarker response shows how native and nonâ€native freshwater bivalves differentially cope with heatâ€wave events. Aquatic Conservation: Marine and Freshwater Ecosystems, 2018, 28, 934-943.	0.9	22
34	Evidences for a New Role of miR-214 in Chondrogenesis. Scientific Reports, 2018, 8, 3704.	1.6	30
35	An overview on the teleost bone mechanophysiology. Journal of Applied Ichthyology, 2018, 34, 440-448.	0.3	2
36	Generation of zebrafishDanio rerio(Hamilton, 1822) transgenic lines overexpressing a heat-shock mediated Gla-rich protein. Journal of Applied Ichthyology, 2018, 34, 472-480.	0.3	4

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37	Insights from dietary supplementation with zinc and strontium on the skeleton of zebrafish,Danio rerio(Hamilton, 1822) larvae: From morphological analysis to osteogenic markers. Journal of Applied Ichthyology, 2018, 34, 512-523.	0.3	7
38	What aquaculture does for taxonomy, evo-devo, palaeontology, biomechanics and biomedical research. Journal of Applied Ichthyology, 2018, 34, 429-430.	0.3	3
39	Zebrafish (Danio rerio , Hamilton-Buchanan, 1822) as a model to study bone diseases associated with Rett syndrome. Journal of Applied Ichthyology, 2018, 34, 489-500.	0.3	1
40	Identification of a fish short-chain dehydrogenase/reductase associated with bone metabolism. Gene, 2018, 645, 137-145.	1.0	1
41	Effect of genetic variants of OPTN in the pathophysiology of Paget's disease of bone. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 143-151.	1.8	17
42	Fish as a model to assess chemical toxicity in bone. Aquatic Toxicology, 2018, 194, 208-226.	1.9	41
43	Iron-enriched diet contributes to early onset of osteoporotic phenotype in a mouse model of hereditary hemochromatosis. PLoS ONE, 2018, 13, e0207441.	1.1	20
44	Screening for osteogenic activity in extracts from Irish marine organisms: The potential of Ceramium pallidum. PLoS ONE, 2018, 13, e0207303.	1.1	11
45	Red algal extracts from Plocamium lyngbyanum and Ceramium secundatum stimulate osteogenic activities in vitro and bone growth in zebrafish larvae. Scientific Reports, 2018, 8, 7725.	1.6	12
46	Osteotoxicity of 3-methylcholanthrene in fish. Ecotoxicology and Environmental Safety, 2018, 161, 721-728.	2.9	12
47	Expression pattern of cdkl5 during zebrafish early development: implications for use as model for atypical Rett syndrome. Molecular Biology Reports, 2018, 45, 445-451.	1.0	6
48	Molecular effect of an OPTN common variant associated to Paget's disease of bone. PLoS ONE, 2018, 13, e0197543.	1.1	10
49	Endogenous Calcification Inhibitors in the Prevention of Vascular Calcification: A Consensus Statement From the COST Action EuroSoftCalcNet. Frontiers in Cardiovascular Medicine, 2018, 5, 196.	1.1	82
50	The zebrafish operculum: A powerful system to assess osteogenic bioactivities of molecules with pharmacological and toxicological relevance. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2017, 197, 45-52.	1.3	35
51	Improved regeneration and de novo bone formation in a diabetic zebrafish model treated with paricalcitol and cinacalcet. Wound Repair and Regeneration, 2017, 25, 432-442.	1.5	14
52	The role of calcium concentration in the invasive capacity of Corbicula fluminea in crystalline basins. Science of the Total Environment, 2017, 580, 1363-1370.	3.9	13
53	The xenobiotic sensor PXR in a marine flatfish species (Solea senegalensis): Gene expression patterns and its regulation under different physiological conditions. Marine Environmental Research, 2017, 130, 187-199.	1.1	13
54	Marine green macroalgae: a source of natural compounds with mineralogenic and antioxidant activities. Journal of Applied Phycology, 2017, 29, 575-584.	1.5	50

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55	A Microarray Study of Carpet-Shell Clam (Ruditapes decussatus) Shows Common and Organ-Specific Growth-Related Gene Expression Differences in Gills and Digestive Gland. Frontiers in Physiology, 2017, 8, 943.	1.3	8
56	Matrix Gla Protein expression pattern in the early avian embryo. International Journal of Developmental Biology, 2016, 60, 71-76.	0.3	4
57	Quantitative assessment of the regenerative and mineralogenic performances of the zebrafish caudal fin. Scientific Reports, 2016, 6, 39191.	1.6	34
58	Central role of betaineâ€“homocysteine S-methyltransferase 3 in chondral ossification and evidence for sub-functionalization in neoteleost fish. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1373-1387.	1.1	2
59	ZNF687 Mutations in Severe Paget Disease of Bone Associated with Giant Cell Tumor. American Journal of Human Genetics, 2016, 98, 275-286.	2.6	61
60	Revisiting in vivo staining with alizarin red S - a valuable approach to analyse zebrafish skeletal mineralization during development and regeneration. BMC Developmental Biology, 2016, 16, 2.	2.1	99
61	An electrical method to measure low-frequency collective and synchronized cell activity using extracellular electrodes. Sensing and Bio-Sensing Research, 2016, 10, 1-8.	2.2	21
62	Matrix Gla protein repression by miRâ€155 promotes oncogenic signals in breast cancer MCFâ€7 cells. FEBS Letters, 2016, 590, 1234-1241.	1.3	27
63	MEF2C orthologues from zebrafish: Evolution, expression and promoter regulation. Archives of Biochemistry and Biophysics, 2016, 591, 43-56.	1.4	3
64	Iron overload in a murine model of hereditary hemochromatosis is associated with accelerated progression of osteoarthritis under mechanical stress. Osteoarthritis and Cartilage, 2016, 24, 494-502.	0.6	44
65	Comparative analysis of zebrafish bone morphogenetic proteins 2, 4 and 16: molecular and evolutionary perspectives. Cellular and Molecular Life Sciences, 2016, 73, 841-857.	2.4	33
66	Transcriptional regulation of gilthead seabream bone morphogenetic protein (BMP) 2 gene by bone- and cartilage-related transcription factors. Gene, 2016, 576, 229-236.	1.0	7
67	Microâ€anatomical characterization of vertebral curvatures in Senegalese sole Solea senegalensis. Journal of Fish Biology, 2015, 86, 1796-1810.	0.7	10
68	Effect of C282Y Genotype on Self-Reported Musculoskeletal Complications in Hereditary Hemochromatosis. PLoS ONE, 2015, 10, e0122817.	1.1	9
69	Molecular characterization of cbfΊ² gene and identification of new transcription variants: Implications for function. Archives of Biochemistry and Biophysics, 2015, 567, 1-12.	1.4	0
70	Evidence for the conservation of miR-223 in zebrafish (Danio rerio): Implications for function. Gene, 2015, 566, 54-62.	1.0	18
71	Zebrafish vitamin K epoxide reductases: expression in vivo, along extracellular matrix mineralization and under phylloquinone and warfarin in vitro exposure. Fish Physiology and Biochemistry, 2015, 41, 745-759.	0.9	17
72	Assessment of nutritional supplementation in phospholipids on the reproductive performance of zebrafish, Danio rerio (Hamilton, 1822). Journal of Applied Ichthyology, 2015, 31, 3-9.	0.3	24

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73	Cardiomyocyte H9c2 cells present a valuable alternative to fish lethal testing for azoxystrobin. Environmental Pollution, 2015, 206, 619-626.	3.7	24
74	Transcription factors from Sox family regulate expression of zebrafish Gla-rich protein 2 gene. Gene, 2015, 572, 57-62.	1.0	1
75	Spatiotemporal expression and retinoic acid regulation of bone morphogenetic proteins 2, 4 and 16 in Senegalese sole. Journal of Applied Ichthyology, 2014, 30, 713-720.	0.3	21
76	Identification of cis -regulatory elements in the upstream regions of zebrafish runx3 through in silico analysis: implications for function. Journal of Applied Ichthyology, 2014, 30, 661-670.	0.3	1
77	Evolutionary conservation of TFIIH subunits: Implications for the use of zebrafish as a model to study TFIIH function and regulation. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2014, 172-173, 9-20.	0.7	2
78	Teleost fish osteocalcin 1 and 2 share the ability to bind the calcium mineral phase. Fish Physiology and Biochemistry, 2014, 40, 731-738.	0.9	8
79	Dietary Supplementation with Vitamin K Affects Transcriptome and Proteome of Senegalese Sole, Improving Larval Performance and Quality. Marine Biotechnology, 2014, 16, 522-537.	1.1	30
80	Ets1 regulates the transcription of a cartilage-specific S100 protein in gilthead seabream. Journal of Applied Ichthyology, 2014, 30, 707-712.	0.3	4
81	MiR-29a is an enhancer of mineral deposition in bone-derived systems. Archives of Biochemistry and Biophysics, 2014, 564, 173-183.	1.4	33
82	Fish: a suitable system to model human bone disorders and discover drugs with osteogenic or osteotoxic activities. Drug Discovery Today: Disease Models, 2014, 13, 29-37.	1.2	46
83	Warfarin, a potential pollutant in aquatic environment acting through Pxr signaling pathway and Î³-glutamyl carboxylation of vitamin K-dependent proteins. Environmental Pollution, 2014, 194, 86-95.	3.7	39
84	Matrix Gla protein and osteocalcin: From gene duplication to neofunctionalization. Archives of Biochemistry and Biophysics, 2014, 561, 56-63.	1.4	38
85	Can zebrafish be a valid model to study Paget's disease of bone?. Journal of Applied Ichthyology, 2014, 30, 678-688.	0.3	3
86	Fish skeletal biology and beyond. Journal of Applied Ichthyology, 2014, 30, 597-599.	0.3	0
87	Retinoic acid differentially affects in vitro proliferation, differentiation and mineralization of two fish bone-derived cell lines: Different gene expression of nuclear receptors and ECM proteins. Journal of Steroid Biochemistry and Molecular Biology, 2014, 140, 34-43.	1.2	16
88	Mir-20a regulates in vitro mineralization and BMP signaling pathway by targeting BMP-2 transcript in fish. Archives of Biochemistry and Biophysics, 2014, 543, 23-30.	1.4	31
89	Peroxides with antiplasmodial activity inhibit proliferation of Perkinsus olseni, the causative agent of Perkinsosis in bivalves. Parasitology International, 2013, 62, 575-582.	0.6	12
90	Large-scale population genetic structure in Bonelli's EagleAquila fasciata. Ibis, 2013, 155, 485-498.	1.0	11

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91	Development of anIn VitroCell System from Zebrafish Suitable to Study Bone Cell Differentiation and Extracellular Matrix Mineralization. Zebrafish, 2013, 10, 500-509.	0.5	18
92	Sturgeon Osteocalcin Shares Structural Features with Matrix Gla Protein. Journal of Biological Chemistry, 2013, 288, 27801-27811.	1.6	10
93	Development and characterization of Xl1, a Xenopus laevis chondrocyte-like cell culture. Molecular and Cellular Biochemistry, 2013, 373, 41-51.	1.4	1
94	mRNA-Seq and microarray development for the Grooved carpet shell clam, Ruditapes decussatus: a functional approach to unravel host -parasite interaction. BMC Genomics, 2013, 14, 741.	1.2	39
95	Gla-Rich Protein, a New Player in Tissue Calcification?. Advances in Nutrition, 2012, 3, 174-181.	2.9	39
96	Overexpression of four and a half LIM domains protein 2 promotes epithelial-mesenchymal transition-like phenotype in fish pre-osteoblasts. Biochimie, 2012, 94, 1128-1134.	1.3	7
97	Distinct patterns of notochord mineralization in zebrafish coincide with the localization of Osteocalcin isoform 1 during early vertebral centra formation. BMC Developmental Biology, 2012, 12, 28.	2.1	86
98	Genetic association study of UCMA/GRP and OPTN genes (PDB6 locus) with Paget's disease of bone. Bone, 2012, 51, 720-728.	1.4	20
99	ESSA1 embryonic stem like cells from gilthead seabream: A new tool to study mesenchymal cell lineage differentiation in fish. Differentiation, 2012, 84, 240-251.	1.0	11
100	Molecular cloning and expression analysis of xpd from zebrafish (Danio rerio). Molecular Biology Reports, 2012, 39, 5339-5348.	1.0	8
101	Vestiges, rudiments and fusion events: the zebrafish caudal fin endoskeleton in an evoâ€devo perspective. Evolution & Development, 2012, 14, 116-127.	1.1	54
102	Lordotic-kyphotic vertebrae develop ectopic cartilage-like tissue in Senegalese sole (Solea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td	0.3	16
103	Osteology of the axial and appendicular skeletons of the meagre Argyrosomus regius (Sciaenidae) and early skeletal development at two rearing facilities. Journal of Applied Ichthyology, 2012, 28, 464-470.	0.3	22
104	Polyunsaturated fatty acids regulate cell proliferation, extracellular matrix mineralization and gene expression in a gilthead seabream skeletal cell line. Journal of Applied Ichthyology, 2012, 28, 427-432.	0.3	19
105	Effect of egg incubation temperature on the occurrence of skeletal deformities in Solea senegalensis. Journal of Applied Ichthyology, 2012, 28, 471-476.	0.3	48
106	Comparative gene promoter analysis: an in silico strategy to identify candidate regulatory factors for Gla Rich Protein. Journal of Applied Ichthyology, 2012, 28, 372-376.	0.3	4
107	Molecular characterization of two paralog genes encoding Gla-rich protein (Grp) in zebrafish. Journal of Applied Ichthyology, 2012, 28, 377-381.	0.3	12
108	Interdisciplinary approaches in fish skeletal biology. Journal of Applied Ichthyology, 2012, 28, 297-299.	0.3	2

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109	Four-and-a-half LIM domains protein 2 (FHL2) is associated with the development of craniofacial musculature in the teleost fish Sparus aurata. Cellular and Molecular Life Sciences, 2012, 69, 423-434.	2.4	6
110	Identification of a new cartilage-specific S100-like protein up-regulated during endo/perichondral mineralization in gilthead seabream. Gene Expression Patterns, 2011, 11, 448-455.	0.3	17
111	Proliferative and mineralogenic effects of insulin, IGF-1, and vanadate in fish osteoblast-like cells. Journal of Bone and Mineral Metabolism, 2011, 29, 377-382.	1.3	18
112	Transcriptome sequencing and microarray development for the Manila clam, Ruditapes philippinarum: genomic tools for environmental monitoring. BMC Genomics, 2011, 12, 234.	1.2	120
113	Global analysis of gene expression in mineralizing fish vertebra-derived cell lines: new insights into anti-mineralogenic effect of vanadate. BMC Genomics, 2011, 12, 310.	1.2	13
114	Differentiated skeletal cells contribute to blastema formation during zebrafish fin regeneration. Development (Cambridge), 2011, 138, 3897-3905.	1.2	133
115	Changes in Bioturbation of Iron Biogeochemistry and in Molecular Response of the Clam Ruditapes decussates upon Perkinsus olseni Infection. Archives of Environmental Contamination and Toxicology, 2010, 59, 433-443.	2.1	10
116	Advances in skeletal biology by understanding the fish skeleton: a multidisciplinary challenge. Journal of Applied Ichthyology, 2010, 26, 147-147.	0.3	0
117	Expression of Gla-rich protein (GRP) in newly developed cartilage-derived cell cultures from sturgeon (Acipenser naccarii). Journal of Applied Ichthyology, 2010, 26, 214-218.	0.3	7
118	Fish bone-derived cell lines: an alternativein vitrocell system to study bone biology. Journal of Applied Ichthyology, 2010, 26, 230-234.	0.3	17
119	The zebrafish (Danio rerio) caudal complex - a model to study vertebral body fusion. Journal of Applied Ichthyology, 2010, 26, 235-238.	0.3	29
120	Serum-specific stimulation of proliferation and mineralization of fish bone-derived cells. Journal of Applied Ichthyology, 2010, 26, 251-256.	0.3	9
121	Comparative promoter analysis and its application to the identification of candidate regulatory factors of cartilage-expressed genes. Journal of Applied Ichthyology, 2010, 26, 245-250.	0.3	3
122	Gilthead sea bream (Sparus auratus) and European sea bass (Dicentrarchus labrax) expressed sequence tags: Characterization, tissue-specific expression and gene markers. Marine Genomics, 2010, 3, 179-191.	0.4	25
123	Genomic Approaches in Aquaculture and Fisheries. , 2010, , 213-286.		5
124	Dual transcriptional regulation by runx2 of matrix Gla protein in Xenopus laevis. Gene, 2010, 450, 94-102.	1.0	9
125	New insights into mineralogenic effects of vanadate. Cellular and Molecular Life Sciences, 2009, 66, 3831-3836.	2.4	21
126	Comparing skeletal development of wild and hatchery-reared Senegalese sole (Solea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (se 40, 1585-1593.	0.9	49

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127	Expression pattern of Perkinsus olseni genes in response to bivalves with different susceptibility to perkinsosis. Journal of Fish Diseases, 2009, 32, 633-636.	0.9	5
128	Matrix Gla protein in turbot (Scophthalmus maximus): Gene expression analysis and identification of sites of protein accumulation. Aquaculture, 2009, 294, 202-211.	1.7	8
129	Gla-Rich Protein Is a Novel Vitamin K-Dependent Protein Present in Serum That Accumulates at Sites of Pathological Calcifications. American Journal of Pathology, 2009, 175, 2288-2298.	1.9	80
130	Impairment of mineralization by metavanadate and decavanadate solutions in a fish bone-derived cell line. Cell Biology and Toxicology, 2008, 24, 253-263.	2.4	26
131	Effect of the Herbicide RoundupÂ® on Perkinsus olseni inÂvitro Proliferation and inÂvivo Survival when Infecting a Permissive Host, the Clam Ruditapes decussatus. Bulletin of Environmental Contamination and Toxicology, 2008, 80, 512-515.	1.3	14
132	Nutrient Limitation is the Main Regulatory Factor for Carotenoid Accumulation and for Psy and Pds Steady State Transcript Levels in Dunaliella salina (Chlorophyta) Exposed to High Light and Salt Stress. Marine Biotechnology, 2008, 10, 602-11.	1.1	110
133	Alternatively spliced transcripts of Sparus aurata insulin-like growth factor 1 are differentially expressed in adult tissues and during early development. General and Comparative Endocrinology, 2008, 157, 107-115.	0.8	37
134	Vanadate proliferative and antiâ€mineralogenic effects are mediated by MAPK and Plâ€3K/Ras/Erk pathways in a fish chondrocyte cell line. FEBS Letters, 2008, 582, 1381-1385.	1.3	25
135	An Oxygen Molecular Sensor, the HIF Prolyl 4-Hydroxylase, in the Marine Protist Perkinsus olseni. Protist, 2008, 159, 355-368.	0.6	15
136	Retinoic acid is a negative regulator of matrix Gla protein gene expression in teleost fish Sparus aurata. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2008, 1779, 28-39.	0.9	16
137	Increasing genomic information in bivalves through new EST collections in four species: Development of new genetic markers for environmental studies and genome evolution. Gene, 2008, 408, 27-36.	1.0	132
138	Gla-rich Protein (GRP), A New Vitamin K-dependent Protein Identified from Sturgeon Cartilage and Highly Conserved in Vertebrates. Journal of Biological Chemistry, 2008, 283, 36655-36664.	1.6	96
139	Oligopeptide transporter PepT1 in Atlantic cod (Gadus morhua L.): cloning, tissue expression and comparative aspects. Journal of Experimental Biology, 2007, 210, 3883-3896.	0.8	58
140	The antifreeze protein type I (AFP I) increases seabream (Sparus aurata) embryos tolerance to low temperatures. Theriogenology, 2007, 68, 284-289.	0.9	39
141	An alternative method for delivering exogenous material into developing zebrafish embryos. Biotechnology and Bioengineering, 2007, 98, 1230-1241.	1.7	64
142	Lipid-based transfection as a method for gene delivery in zebrafish (Danio rerio) embryos. Aquaculture Research, 2007, 38, 1317-1322.	0.9	4
143	Identification of an osteopontinâ€like protein in fish associated with mineral formation. FEBS Journal, 2007, 274, 4428-4439.	2.2	23
144	Establishment of primary cell cultures from fish calcified tissues. Cytotechnology, 2007, 55, 9-13.	0.7	28

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145	Identification of Sparus aurata bone morphogenetic protein 2: Molecular cloning, gene expression and in silico analysis of protein conserved features in vertebrates. Bone, 2006, 39, 1373-1381.	1.4	40
146	Enhanced DNA Transfer Into Fish Bone Cells Using Polyethylenimine. Molecular Biotechnology, 2006, 34, 51-54.	1.3	15
147	Cloning of matrix Gla protein in a marine cartilaginous fish, Prionace glauca: preferential protein accumulation in skeletal and vascular systems. Histochemistry and Cell Biology, 2006, 126, 89-101.	0.8	17
148	Identification of a Promoter Element within the Zebrafish colXÎ±1 Gene Responsive to Runx2 Isoforms Osf2/Cbfa1 and til-1 but not to pebp2Î±A2. Calcified Tissue International, 2006, 79, 230-244.	1.5	20
149	Osteocalcin and matrix Gla protein in zebrafish (Danio rerio) and Senegal sole (Solea senegalensis): Comparative gene and protein expression during larval development through adulthood. Gene Expression Patterns, 2006, 6, 637-652.	0.3	84
150	Identification of an Osteocalcin Isoform in Fish with a Large Acidic Prodomain*. Journal of Biological Chemistry, 2006, 281, 15037-15043.	1.6	18
151	Identification of a New pebp2Î±A2 Isoform From Zebrafishrunx2Capable of Inducing Osteocalcin Gene Expression In Vitro. Journal of Bone and Mineral Research, 2005, 20, 1440-1453.	3.1	16
152	Rapid Identification of Differentially Expressed Genes by <I>In Situ</I> Screening of Bacteria. Molecular Biotechnology, 2005, 30, 163-166.	1.3	2
153	Isolation and characterization of microsatellite markers in Bonelli's eagle (Hieraaetus fasciatus). Molecular Ecology Notes, 2005, 5, 493-495.	1.7	9
154	Identification of alternative promoter usage for the matrix Gla protein gene. FEBS Journal, 2005, 272, 1501-1510.	2.2	8
155	Shikimate and folate pathways in the protozoan parasite, Perkinsus olseni. Molecular and Biochemical Parasitology, 2005, 142, 106-109.	0.5	19
156	Osteocalcin and matrix GLA protein in developing teleost teeth: identification of sites of mRNA and protein accumulation at single cell resolution. Histochemistry and Cell Biology, 2005, 124, 123-130.	0.8	14
157	Evolution of Matrix and Bone Î³-Carboxyglutamic Acid Proteins in Vertebrates. Journal of Biological Chemistry, 2005, 280, 26659-26668.	1.6	36
158	Structural Evidence of a Fourth Gla Residue in Fish Osteocalcin:â€‰ Biological Implications,. Biochemistry, 2005, 44, 1234-1242.	1.2	25
159	Characterization of Sparus aurata osteonectin cDNA and in silico analysis of protein conserved features: Evidence for more than one osteonectin in Salmonidae. Biochimie, 2005, 87, 411-420.	1.3	20
160	Effect of antiprotozoal drugs on the proliferation of the bivalve parasite Perkinsus olseni. Aquaculture, 2005, 243, 9-17.	1.7	18
161	Phox2b function in the enteric nervous system is conserved in zebrafish and is sox10-dependent. Mechanisms of Development, 2005, 122, 659-669.	1.7	126
162	Development of two bone-derived cell lines from the marine teleost Sparus aurata ; evidence for extracellular matrix mineralization and cell-type-specific expression of matrix Gla protein and osteocalcin. Cell and Tissue Research, 2004, 315, 393-406.	1.5	88

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163	Multiple Paternity in Norway Lobster (Nephrops norvegicus L.) Assessed with Microsatellite Markers. Marine Biotechnology, 2004, 6, 60-66.	1.1	31
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165	Development of a PCR-ELISA assay for diagnosis of Perkinsus marinus and Perkinsus atlanticus infections in bivalve molluscs. Molecular and Cellular Probes, 2004, 18, 89-96.	0.9	18
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