

# Sara Ferrando

## List of Publications by Year in descending order

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107  
papers

1,905  
citations

279798

23  
h-index

345221

36  
g-index

108  
all docs

108  
docs citations

108  
times ranked

2228  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of polystyrene microbeads in marine planktonic crustaceans. <i>Ecotoxicology and Environmental Safety</i> , 2017, 145, 250-257.	6.0	212
2	Effects of selected metal oxide nanoparticles on <i>Artemia salina</i> larvae: evaluation of mortality and behavioural and biochemical responses. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 4249-4259.	2.7	83
3	Developmental abnormalities and changes in cholinesterase activity in sea urchin embryos and larvae from sperm exposed to engineered nanoparticles. <i>Aquatic Toxicology</i> , 2013, 130-131, 77-85.	4.0	68
4	Observations of crypt neuron-like cells in the olfactory epithelium of a cartilaginous fish. <i>Neuroscience Letters</i> , 2006, 403, 280-282.	2.1	61
5	Photobiomodulation Affects Key Cellular Pathways of all Life-Forms: Considerations on Old and New Laser Light Targets and the Calcium Issue. <i>Photochemistry and Photobiology</i> , 2019, 95, 455-459.	2.5	56
6	Toxicity and transfer of metal oxide nanoparticles from microalgae to sea urchin larvae. <i>Chemistry and Ecology</i> , 2014, 30, 308-316.	1.6	46
7	Gross morphology and histology of the olfactory organ of the Greenland shark <i>Somniosus microcephalus</i> . <i>Polar Biology</i> , 2016, 39, 1399-1409.	1.2	43
8	A Comparative Study Between the Effectiveness of 980 nm Photobiomodulation Delivered by Hand-Piece With Gaussian vs. Flat-Top Profiles on Osteoblasts Maturation. <i>Frontiers in Endocrinology</i> , 2019, 10, 92.	3.5	42
9	Immunolocalization of $\alpha$ -Protein Subunits in the Olfactory System of the Cartilaginous Fish <i>Scyliorhinus Canicula</i> . <i>Anatomical Record</i> , 2009, 292, 1771-1779.	1.4	38
10	Secondary Folds Contribute Significantly to the Total Surface Area in the Olfactory Organ of Chondrichthyes. <i>Frontiers in Physiology</i> , 2019, 10, 245.	2.8	37
11	Review: Morphofunctional and biochemical markers of stress in sea urchin life stages exposed to engineered nanoparticles. <i>Environmental Toxicology</i> , 2016, 31, 1552-1562.	4.0	34
12	Photobiomodulation by Infrared Diode Laser: Effects on Intracellular Calcium Concentration and Nitric Oxide Production of <i>Paramecium</i> . <i>Photochemistry and Photobiology</i> , 2016, 92, 854-862.	2.5	33
13	Clarification of the Terminology of the Olfactory Lamellae in Chondrichthyes. <i>Anatomical Record</i> , 2017, 300, 2039-2045.	1.4	33
14	Sexual structure of a highly reproductive, recovering gorgonian population: quantifying reproductive output. <i>Marine Ecology - Progress Series</i> , 2012, 469, 25-36.	1.9	33
15	Stress factors in the gills of <i>Liza aurata</i> (Perciformes, Mugilidae) living in polluted environments. <i>Italian Journal of Zoology</i> , 2005, 72, 285-292.	0.6	31
16	Fipronil (Phenylpyrazole) induces hemato-biochemical, histological and genetic damage at low doses in common carp, <i>Cyprinus carpio</i> (Linnaeus, 1758). <i>Ecotoxicology</i> , 2018, 27, 1261-1271.	2.4	31
17	1064 nm Nd:YAG laser light affects transmembrane mitochondria respiratory chain complexes. <i>Journal of Biophotonics</i> , 2019, 12, e201900101.	2.3	29
18	The Chemosensory Receptor Repertoire of a True Shark Is Dominated by a Single Olfactory Receptor Family. <i>Genome Biology and Evolution</i> , 2019, 11, 398-405.	2.5	29

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19	Appearance of Crypt Neurons in the Olfactory Epithelium of the Skate <i>Raja clavata</i> During Development. <i>Anatomical Record</i> , 2007, 290, 1268-1272.	1.4	27
20	Anatomy of the olfactory bulb in Greenland shark <i>Somniosus microcephalus</i> (Bloch & Schneider). <i>Journal of Neurocytology</i> , 2007, 36, 107-117.	0.7	27
21	Exposure of <i>Paracentrotus lividus</i> male gametes to engineered nanoparticles affects skeletal bio-mineralization processes and larval plasticity. <i>Aquatic Toxicology</i> , 2015, 158, 181-191.	4.0	25
22	Apoptosis, cell proliferation and serotonin immunoreactivity in gut of <i>Liza aurata</i> from natural heavy metal polluted environments: preliminary observations. <i>European Journal of Histochemistry</i> , 2005, 49, 331.	1.5	24
23	First detection of olfactory marker protein (OMP) immunoreactivity in the olfactory epithelium of a cartilaginous fish. <i>Neuroscience Letters</i> , 2007, 413, 173-176.	2.1	24
24	G protein alpha subunits in the olfactory epithelium of the holocephalan fish <i>Chimaera monstrosa</i> . <i>Neuroscience Letters</i> , 2010, 472, 65-67.	2.1	24
25	A Demonstration of Nesting in Two Antarctic Icefish (Genus <i>Chionodraco</i> ) Using a Fin Dimorphism Analysis and Ex Situ Videos. <i>PLoS ONE</i> , 2014, 9, e90512.	2.5	24
26	Fasting and re-feeding impact on leptin and aquaglyceroporin 9 in the liver of European sea bass ( <i>Dicentrarchus labrax</i> ). <i>Aquaculture</i> , 2012, 354-355, 1-6.	3.5	23
27	Molecular Cloning, Characterization, and Expression Analysis of a Prolyl 4-Hydroxylase from the Marine Sponge <i>Chondrosia reniformis</i> . <i>Marine Biotechnology</i> , 2015, 17, 393-407.	2.4	22
28	Effect of cobalt and silver nanoparticles and ions on <i>Lumbricus rubellus</i> health and on microbial community of earthworm faeces and soil. <i>Applied Soil Ecology</i> , 2016, 108, 62-71.	4.3	22
29	Cell proliferation and apoptosis in the olfactory epithelium of the shark <i>Scyliorhinus canicula</i> . <i>Journal of Chemical Neuroanatomy</i> , 2010, 40, 293-300.	2.1	20
30	Functional nasal morphology of chimaerid fishes. <i>Journal of Morphology</i> , 2013, 274, 987-1009.	1.2	20
31	Effectiveness of a project to prevent HIV vertical transmission in the Republic of Congo. <i>Journal of Antimicrobial Chemotherapy</i> , 2013, 68, 1862-1871.	3.0	20
32	Insulin-independent stimulation of skeletal muscle glucose uptake by low-dose abscisic acid via AMPK activation. <i>Scientific Reports</i> , 2020, 10, 1454.	3.3	20
33	Is the olfactory system of cartilaginous fishes a vomeronasal system?. <i>Frontiers in Neuroanatomy</i> , 2013, 7, 37.	1.7	19
34	Silica-induced fibrosis: an ancient response from the early metazoans. <i>Journal of Experimental Biology</i> , 2017, 220, 4007-4015.	1.7	19
35	The impact of ocean acidification on the gonads of three key Antarctic benthic macroinvertebrates. <i>Aquatic Toxicology</i> , 2019, 210, 19-29.	4.0	19
36	Functional Expression of Electron Transport Chain and FoF1-ATP Synthase in Optic Nerve Myelin Sheath. <i>Neurochemical Research</i> , 2015, 40, 2230-2241.	3.3	18

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37	Insights into the evolution of metazoan regenerative mechanisms: TGF superfamily member roles in tissue regeneration of the marine sponge <i>Chondrosia reniformis</i> Nardo, 1847. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	18
38	Gut morphology and metallothionein immunoreactivity in <i>Liza aurata</i> from different heavy metal polluted environments. <i>Italian Journal of Zoology</i> , 2006, 73, 7-14.	0.6	17
39	First record of albinism in the deep-water shark <i>Dalatias licha</i> . <i>Marine Biodiversity Records</i> , 2008, 1, .	1.2	17
40	Support of Nerve Conduction by Respiring Myelin Sheath: Role of Connexons. <i>Molecular Neurobiology</i> , 2016, 53, 2468-2479.	4.0	16
41	Long term exposure to low dose neurotoxic pesticides affects hatching, viability and cholinesterase activity of <i>Artemia</i> sp .. <i>Aquatic Toxicology</i> , 2018, 196, 79-89.	4.0	16
42	Extramitochondrial energy production in platelets. <i>Biology of the Cell</i> , 2018, 110, 97-108.	2.0	16
43	808-nm Photobiomodulation Affects the Viability of a Head and Neck Squamous Carcinoma Cellular Model, Acting on Energy Metabolism and Oxidative Stress Production. <i>Biomedicines</i> , 2021, 9, 1717.	3.2	16
44	Immunolocalization of G protein alpha subunits in the olfactory system of <i>Polypterus senegalus</i> (Cladistia, Actinopterygii). <i>Neuroscience Letters</i> , 2011, 499, 127-131.	2.1	15
45	Histopathological analysis of the olfactory epithelium of zebrafish ( <i>Danio rerio</i> ) exposed to sublethal doses of urea. <i>Journal of Anatomy</i> , 2016, 228, 59-69.	1.5	15
46	The earthworm <i>Dendrobaena veneta</i> (Annelida): A new experimental-organism for photobiomodulation and wound healing. <i>European Journal of Histochemistry</i> , 2018, 62, 2867.	1.5	15
47	In-vivo genetic ablation of metabotropic glutamate receptor type 5 slows down disease progression in the SOD1G93A mouse model of amyotrophic lateral sclerosis. <i>Neurobiology of Disease</i> , 2019, 129, 79-92.	4.4	15
48	Born among the ice: first morphological observations on two developmental stages of the Antarctic silverfish <i>Pleuragramma antarcticum</i> , a key species of the Southern Ocean. <i>Reviews in Fish Biology and Fisheries</i> , 2009, 19, 249-259.	4.9	14
49	The 808nm and 980nm infrared laser irradiation affects spore germination and stored calcium homeostasis: A comparative study using delivery hand-pieces with standard (Gaussian) or flat-top profile. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 199, 111627.	3.8	14
50	Na <sup>+</sup> /K <sup>+</sup> ATPase immunoreactivity in olfactory epithelium of small-spotted catshark <i>Scyliorhinus canicula</i> (L.): possible presence of ion exchanging cells?. <i>Journal of Fish Biology</i> , 2006, 69, 278-282.	1.6	13
51	Evaluation of the Acquisition of the Aerobic Metabolic Capacity by Myelin, during its Development. <i>Molecular Neurobiology</i> , 2016, 53, 7048-7056.	4.0	13
52	Gross anatomy and histology of the olfactory rosette of the shark <i>Heptranchias perlo</i> . <i>Zoology</i> , 2017, 122, 27-37.	1.2	13
53	Distribution of FMRFamide-like immunoreactivity in the alimentary tract and hindgut ganglia of the barnacle <i>Balanus amphitrite</i> (Cirripedia, Crustacea). <i>Microscopy Research and Technique</i> , 2006, 69, 636-641.	2.2	12
54	lonocytes in the olfactory epithelium of developing <i>Raja clavata</i> . <i>Italian Journal of Zoology</i> , 2008, 75, 233-236.	0.6	12

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55	The Compensatory Growth in Juveniles of Sea Bass. <i>Annals of the New York Academy of Sciences</i> , 2009, 1163, 389-393.	3.8	12
56	Neuronal nitric oxide synthase (nNOS) immunoreactivity in the olfactory system of a cartilaginous fish. <i>Journal of Chemical Neuroanatomy</i> , 2012, 43, 133-140.	2.1	12
57	Blocking glutamate mGlu 5 receptors with the negative allosteric modulator CTEP improves disease course in SOD1 G93A mouse model of amyotrophic lateral sclerosis. <i>British Journal of Pharmacology</i> , 2021, 178, 3747-3764.	5.4	12
58	Potential Biomedical Applications of Collagen Filaments derived from the Marine Demosponges <i>Ircinia oros</i> (Schmidt, 1864) and <i>Sarcotragus foetidus</i> (Schmidt, 1862). <i>Marine Drugs</i> , 2021, 19, 563.	4.6	12
59	Metabotropic $\gamma$ -aminobutyric acid (GABA <sub>B</sub> ) receptors modulate feeding behavior in the calcisponge <i>Leucandra aspera</i> . <i>Journal of Experimental Zoology</i> , 2011, 315A, 132-140.	1.2	11
60	The photobiomodulation effect of higher-fluence 808-nm laser therapy with a flat-top handpiece on the wound healing of the earthworm <i>Dendrobaena veneta</i> : a brief report. <i>Lasers in Medical Science</i> , 2018, 33, 221-225.	2.1	11
61	Distribution of choline acetyltransferase immunoreactivity in the alimentary tract of the barnacle <i>Balanus amphitrite</i> (Cirripedia, Crustacea). <i>Neuroscience Letters</i> , 2006, 409, 230-233.	2.1	10
62	Cytogenetic diversity in the Antarctic plunderfishes (Notothenioidei: Artedidraconidae). <i>Antarctic Science</i> , 2010, 22, 805-814.	0.9	10
63	Pharmacological characterization of N-methyl-d-aspartic acid (NMDA)-like receptors in the single-celled organism <i>Paramecium primaurelia</i> . <i>Journal of Experimental Biology</i> , 2014, 217, 463-71.	1.7	10
64	Reproductive features of the Antarctic silverfish ( <i>Pleuragramma antarctica</i> ) from the western Ross Sea. <i>Polar Biology</i> , 2017, 40, 199-211.	1.2	10
65	Presence and distribution of FMRFamide-like immunoreactivity in the cyprid of the barnacle <i>Balanus amphitrite</i> (Cirripedia, crustacea). <i>Microscopy Research and Technique</i> , 2009, 72, 101-109.	2.2	9
66	The Effect of Photobiomodulation on the Sea Urchin <i>Paracentrotus lividus</i> (Echinodermata) Using Higher-Fluence on Fertilization, Embryogenesis, and Larval Development: An <i>In Vitro</i> Study. <i>Photomedicine and Laser Surgery</i> , 2017, 35, 127-135.	2.0	9
67	NMDA R1 receptor distribution in the cyprid of <i>Balanus amphitrite</i> (= <i>Amphibalanus amphitrite</i> ) (Cirripedia, Crustacea). <i>Neuroscience Letters</i> , 2010, 485, 183-188.	2.1	8
68	Permethrin drastically affects the developmental cycle of the non-target slime mould <i>Dictyostelium discoideum</i> . <i>Chemosphere</i> , 2018, 193, 1-7.	8.2	8
69	Simulated microgravity induces nuclear translocation of Bax and BCL-2 in glial cultured C6 cells. <i>Heliyon</i> , 2019, 5, e01798.	3.2	8
70	Olfaction in the Antarctic toothfish <i>Dissostichus mawsoni</i> : clues from the morphology and histology of the olfactory rosette and bulb. <i>Polar Biology</i> , 2019, 42, 1081-1091.	1.2	8
71	Assessment of Growth Performance and Meat Quality of Black Fin Sea Bream, <i>Acanthopagrus berda</i> (Forsskal, 1775) Reared in Brackish Water Ponds: A Preliminary Investigation. <i>Pakistan Journal of Zoology</i> , 2017, 49, 869-876.	0.2	8
72	Presence and distribution of serotonin immunoreactivity in the cyprids of the barnacle <i>Balanus amphitrite</i> . <i>European Journal of Histochemistry</i> , 2005, 49, 341.	1.5	7

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73	Gamma-aminobutyric acid and related molecules in the sea fan <i>Eunicella cavolini</i> (Cnidaria: Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 187-196.	2.9	7
74	The GABAergic-like system in the cyprid of <i>Balanus amphitrite</i> (=Amphibalanus amphitrite) (Cirripedia,) Tj ETQq0 0 0 rgBT /Overlock 10 T 5	2.2	7
75	First Evidence of a Leptin-like Peptide in a Cartilaginous Fish. <i>Anatomical Record</i> , 2010, 293, 1692-1697.	1.4	7
76	Identification of aquaporins in eggs and early embryogenesis of the sea urchin <i>Paracentrotus lividus</i> . <i>Acta Histochemica</i> , 2013, 115, 257-263.	1.8	7
77	The Influence of <i>Pseudomonas fluorescens</i> on Corrosion Products of Archaeological Tin-Bronze Analogues. <i>Jom</i> , 2018, 70, 81-85.	1.9	7
78	Leptin-like immunoreactivity in the muscle of juvenile sea bass ( <i>Dicentrarchus labrax</i> ). <i>Microscopy Research and Technique</i> , 2010, 73, 797-802.	2.2	6
79	First detection of taste buds in a chimaeroid fish (Chondrichthyes: Holocephali) and their GÎ±i-like immunoreactivity. <i>Neuroscience Letters</i> , 2012, 517, 98-101.	2.1	6
80	Nitric oxide synthase (NOS) in the cyprid of <i>Amphibalanus amphitrite</i> (Cirripedia, Crustacea). <i>Neuroscience Letters</i> , 2013, 555, 209-214.	2.1	6
81	Aquaporin in <i>Chondrosia reniformis</i> Nardo, 1847 and Its Possible Role in the Interaction Between Cells and Engulfed Siliceous Particles. <i>Biological Bulletin</i> , 2016, 230, 220-232.	1.8	6
82	First Description of a Palatal Organ in <i>Chimaera monstrosa</i> (Chondrichthyes, Holocephali). <i>Anatomical Record</i> , 2016, 299, 118-131.	1.4	6
83	Fish Meal: Production and Quality Assessment for Aqua Feed Formulation in Pakistan. <i>Pakistan Journal of Zoology</i> , 2017, 49, 319-326.	0.2	6
84	Diversity of freshwater fish in the lower reach of Indus River, Sindh province section, Pakistan. <i>Egyptian Journal of Aquatic Biology and Fisheries</i> , 2020, 24, 243-265.	0.4	6
85	The tongue morphology and lingual gland histochemistry of Ligurian Sea odontocetes. <i>Marine Mammal Science</i> , 2010, 26, no-no.	1.8	5
86	Effects of urea on the molecules involved in the olfactory signal transduction: a preliminary study on <i>Danio rerio</i> . <i>Fish Physiology and Biochemistry</i> , 2014, 40, 1793-1800.	2.3	5
87	Surface egg structure and early embryonic development of the Antarctic toothfish, <i>Dissostichus mawsoni</i> Norman 1937. <i>Polar Biology</i> , 2018, 41, 1717-1724.	1.2	5
88	First identification of a fatal fungal infection of the marine sponge <i>Chondrosia reniformis</i> by <i>Aspergillus tubingensis</i> . <i>Diseases of Aquatic Organisms</i> , 2019, 135, 227-239.	1.0	5
89	Immunolocalisation of leptin in the digestive system of juvenile European sea bass ( <i>Dicentrarchus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 0.6 4	0.6	4
90	Additional records of <i>Beryx splendens</i> (Osteichthyes: Berycidae) from the Mediterranean Sea, with notes on molecular phylogeny and parasites. <i>Italian Journal of Zoology</i> , 2012, 79, 111-119.	0.6	4

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91	Câ€protein alpha subunits distribution in the cyprid of <i>Balanus amphitrite</i> (= <i>Amphibalanus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 7	2.2	4
92	Quantification of neurons in the olfactory bulb of the catsharks <i>Scyliorhinus canicula</i> (Linnaeus,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.2	4
93	Surface architecture of the olfactory epithelium of two Chinese cave loaches (Cypriniformes:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 7	0.8	3
94	Melanism in the gastric mucosa of the scalloped ribbonfish from the Ligurian Sea. <i>Journal of Fish Biology</i> , 2005, 66, 1489-1492.	1.6	2
95	Vacchi's palatal organ: a widespread trait in Holocephali. <i>Journal of Fish Biology</i> , 2018, 92, 1177-1182.	1.6	2
96	Midtrophic fish feeding modes at the poles: an ecomorphological comparison of polar cod ( <i>Boreogadus saida</i> ) and Antarctic silverfish ( <i>Pleuragramma antarctica</i> ). <i>Polar Biology</i> , 2021, 44, 1629-1642.	1.2	2
97	New records of blonde ray ( <i>Raja brachyura</i> ) from the Ligurian Sea. <i>Marine Biodiversity Records</i> , 2008, 1, .	1.2	1
98	First detection of neuropeptide Y (NPY)-like immunoreactivity in the lateral line: Presence and distribution in the neuromasts of the Antarctic notothenioid fish <i>Trematomus bernacchii</i> . <i>Neuroscience Letters</i> , 2009, 458, 37-42.	2.1	1
99	Effects of urea on the olfactory reception in zebrafish ( <i>Danio rerio</i> ). <i>Journal of Biological Research (Italy)</i> , 2016, 89, .	0.1	1
100	A new record and biological evidence supporting the establishment of <i>Beryx splendens</i> (Actinopterygii: Beryciformes: Berycidae) in the western Mediterranean basin. <i>Acta Ichthyologica Et Piscatoria</i> , 2018, 48, 183-188.	0.7	1
101	Analysis of metabolic networks controlled by microRNAs in zebrafish. <i>Journal of Biological Research (Italy)</i> , 2011, 84, .	0.1	0
102	Presence and distribution of serotonin in the stomach of the Antarctic silverfish <i>Pleuragramma antarcticum</i> . <i>Polar Biology</i> , 2012, 35, 795-799.	1.2	0
103	Effects of altered gravity induced by clinorotation on the cholinesterase activity of the non-sentient model <i>Paramecium primaurelia</i> (Protozoa). <i>Journal of Biological Research (Italy)</i> , 2018, 91, .	0.1	0
104	Physiological traits of the Greenland shark <i>Somniosus microcephalus</i> obtained during the TUNU-Expeditions to Northeast Greenland. , 2020, , 11-41.		0
105	Effect of Different Dietary Oils on Growth, Feed Conversion and Body Composition of Juvenile Black Fin Sea Bream, <i>Acanthopagrus berda</i> (Forsskal, 1775). <i>Pakistan Journal of Zoology</i> , 2017, 49, 655-661.	0.2	0
106	Effects of nasal parasite species in the small-spotted catshark <i>Scyliorhinus canicula</i> ( <i>Scyliorhinidae</i> ;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.0	0
107	The Arrangement of the Peripheral Olfactory System of <i>Pleuragramma antarcticum</i> : A Well-Exploited Small Sensor, an Aided Water Flow, and a Prominent Effort in Primary Signal Elaboration. <i>Animals</i> , 2022, 12, 663.	2.3	0