

# Concetta Maria Messina

## List of Publications by Citations

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47  
papers

650  
citations

14  
h-index

23  
g-index

50  
ext. papers

839  
ext. citations

4.3  
avg, IF

4.08  
L-index

#	Paper	IF	Citations
47	Effect of sodium dodecyl sulfate (SDS) on stress response in the Mediterranean mussel ( <i>Mytilus Galloprovincialis</i> ): regulatory volume decrease (Rvd) and modulation of biochemical markers related to oxidative stress. <i>Aquatic Toxicology</i> , <b>2014</b> , 157, 94-100	5.1	92
46	Identification and expansion of human osteosarcoma-cancer-stem cells by long-term 3-aminobenzamide treatment. <i>Journal of Cellular Physiology</i> , <b>2009</b> , 219, 301-13	7	73
45	Biological properties of carotenoids extracted from <i>Halobacterium halobium</i> isolated from a Tunisian solar saltern. <i>BMC Complementary and Alternative Medicine</i> , <b>2013</b> , 13, 255	4.7	56
44	Effect of natural antioxidants and modified atmosphere packaging in preventing lipid oxidation and increasing the shelf-life of common dolphinfish ( <i>Coryphaena hippurus</i> ) fillets. <i>LWT - Food Science and Technology</i> , <b>2015</b> , 62, 271-277	5.4	37
43	Paclitaxel and beta-lapachone synergistically induce apoptosis in human retinoblastoma Y79 cells by downregulating the levels of phospho-Akt. <i>Journal of Cellular Physiology</i> , <b>2010</b> , 222, 433-43	7	33
42	Toward shrimp consumption without chemicals: Combined effects of freezing and modified atmosphere packaging (MAP) on some quality characteristics of Giant Red Shrimp ( <i>Aristaeomorpha foliacea</i> ) during storage. <i>Food Chemistry</i> , <b>2016</b> , 197, 581-8	8.5	27
41	Tunisian tomato by-products, as a potential source of natural bioactive compounds. <i>Natural Product Research</i> , <b>2017</b> , 31, 626-631	2.3	26
40	<i>Anisakis pegreffii</i> (Nematoda: Anisakidae) products modulate oxidative stress and apoptosis-related biomarkers in human cell lines. <i>Parasites and Vectors</i> , <b>2016</b> , 9, 607	4	24
39	Levels of dioxin-like polychlorinated biphenyls (DL-PCBs) and metals in European sea bass from fish farms in Italy. <i>Food Chemistry</i> , <b>2012</b> , 134, 333-338	8.5	21
38	From Ecology to Biotechnology, Study of the Defense Strategies of Algae and Halophytes (from Trapani Saltworks, NW Sicily) with a Focus on Antioxidants and Antimicrobial Properties. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	19
37	Microbiological Profile and Bioactive Properties of Insect Powders Used in Food and Feed Formulations. <i>Foods</i> , <b>2019</b> , 8,	4.9	17
36	The antioxidant power of horseradish, , underlies antimicrobial and antiradical effects, exerted. <i>Natural Product Research</i> , <b>2020</b> , 34, 1567-1570	2.3	16
35	Biotechnological Applications for the Sustainable Use of Marine By-products: In Vitro Antioxidant and Pro-apoptotic Effects of Astaxanthin Extracted with Supercritical CO from <i>Parapeneus longirostris</i> . <i>Marine Biotechnology</i> , <b>2019</b> , 21, 565-576	3.4	15
34	Sub-lethal doses of polybrominated diphenyl ethers affect some biomarkers involved in energy balance and cell cycle, via oxidative stress in the marine fish cell line SAF-1. <i>Aquatic Toxicology</i> , <b>2019</b> , 210, 1-10	5.1	14
33	By-products of farmed European sea bass ( <i>Dicentrarchus labrax</i> L.) as a potential source of n-3 PUFA. <i>Biologia (Poland)</i> , <b>2013</b> , 68, 288-293	1.5	14
32	Protective Effect of Astaxanthin on Primary Retinal Cells of the Gerbil <i>Psammomys Obesus</i> Cultured in Diabetic Milieu. <i>Journal of Food Biochemistry</i> , <b>2017</b> , 41, e12274	3.3	12
31	Honey Bee Pollen in Meagre ( <i>Lepidotrigla cavillone</i> ) Juvenile Diets: Effects on Growth, Diet Digestibility, Intestinal Traits, and Biochemical Markers Related to Health and Stress. <i>Animals</i> , <b>2020</b> , 10,	3.1	12

30	Sub-lethal Doses of Polybrominated Diphenyl Ethers, in Vitro, Promote Oxidative Stress and Modulate Molecular Markers Related to Cell Cycle, Antioxidant Balance and Cellular Energy Management. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	11
29	Species-Specific Antioxidant Power and Bioactive Properties of the Extracts Obtained from Wild Mediterranean Calendula Spp. (Asteraceae). <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 4627	2.6	11
28	Seasonal characterization of nutritional and antioxidant properties of <i>Opuntia ficus-indica</i> [(L.) Mill.] mucilage. <i>Food Hydrocolloids</i> , <b>2021</b> , 111, 106398	10.6	10
27	Variations of lipid and apolipoprotein content in lipoproteins during fasting in European sea bass ( <i>Dicentrarchus labrax</i> L.). <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , <b>1997</b> , 118, 1233-1239		9
26	Dietary administration effects of exopolysaccharide from potential probiotic strains on immune and antioxidant status and nutritional value of European sea bass ( <i>Dicentrarchus labrax</i> L.). <i>Research in Veterinary Science</i> , <b>2020</b> , 131, 51-58	2.5	8
25	Effects of BDE-47 exposure on immune-related parameters of <i>Mytilus galloprovincialis</i> . <i>Aquatic Toxicology</i> , <b>2019</b> , 215, 105266	5.1	8
24	Polyphenols from halophytes and modified atmosphere packaging improve sensorial and biochemical markers of quality of common dolphinfish ( <i>Coryphaena hippurus</i> ) fillets. <i>Food Science and Nutrition</i> , <b>2016</b> , 4, 723-32	3.2	8
23	Screening of Antioxidant Potentials and Bioactive Properties of the Extracts Obtained from Two <i>Centaurea</i> L. Species ( <i>C. kroumirensis</i> Coss. and <i>C. sicula</i> L. subsp <i>sicula</i> ). <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2267	2.6	7
22	Effect of <i>Jasonia glutinosa</i> on immune and oxidative status of gilthead seabream ( <i>Sparus aurata</i> L.). <i>Fish and Shellfish Immunology</i> , <b>2020</b> , 100, 58-69	4.3	7
21	In Vitro Antioxidant Activity and In Vivo Topical Efficacy of Lipid Nanoparticles Co-Loading Idebenone and Tocopheryl Acetate. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 845	2.6	6
20	Green biotechnology for valorisation of residual biomasses in nutraceutical sector: Characterization and extraction of bioactive compounds from grape pomace and evaluation of the protective effects in vitro. <i>Natural Product Research</i> , <b>2021</b> , 35, 331-336	2.3	6
19	Oxidative Stress, Induced by Sub-Lethal Doses of BDE 209, Promotes Energy Management and Cell Cycle Modulation in the Marine Fish Cell Line SAF-1. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	5
18	Effects of dietary dehydrated lemon peel on some biochemical markers related to general metabolism, welfare and stress in gilthead seabream ( <i>Sparus aurata</i> L.). <i>Aquaculture Research</i> , <b>2019</b> , 50, 3181-3191	1.9	5
17	Carbamazepine, cadmium chloride and polybrominated diphenyl ether-47, synergistically modulate the expression of antioxidants and cell cycle biomarkers, in the marine fish cell line SAF-1. <i>Marine Environmental Research</i> , <b>2020</b> , 154, 104844	3.3	5
16	Farmed Gilthead Sea Bream () by-Products Valorization: Viscera Oil B Enrichment by Short-Path Distillation and In Vitro Bioactivity Evaluation. <i>Marine Drugs</i> , <b>2021</b> , 19,	6	5
15	Efficiency of Target Larvicides Is Conditioned by ABC-Mediated Transport in the Zoonotic Nematode <i>Anisakis pegreffii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2018</b> , 62,	5.9	4
14	BDE-47 exposure modulates cellular responses, oxidative stress and biotransformation related-genes in <i>Mytilus galloprovincialis</i> . <i>Fish and Shellfish Immunology</i> , <b>2020</b> , 107, 537-546	4.3	4
13	In Vitro Bioactivity of Astaxanthin and Peptides from Hydrolysates of Shrimp () By-Products: From the Extraction Process to Biological Effect Evaluation, as Pilot Actions for the Strategy "From Waste to Profit". <i>Marine Drugs</i> , <b>2021</b> , 19,	6	4

12	The Inclusion of a Supercritical Fluid Extract, Obtained From Honey Bee Pollen, in the Diet of Gilthead Sea Bream ( <i>Sparus aurata</i> L.), Improves Fish Immune Response by Enhancing Anti-oxidant, and Anti-bacterial Activities. <i>Frontiers in Veterinary Science</i> , <b>2020</b> , 7, 95	3.1	3
11	The combined impact of cold smoking and natural antioxidants on quality and shelf life of dolphinfish ( <i>Coryphaena hippurus</i> ) fillets. <i>Food Science and Nutrition</i> , <b>2019</b> , 7, 1239-1250	3.2	2
10	Antioxidant Properties of a Supercritical Fluid Extract of the Halophyte <i>Mesembryanthemum nodiflorum</i> L. from Sicilian Coasts: Nutraceutical and Cosmeceutical Applications. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2374	2.6	2
9	Effect of Cold Smoking and Natural Antioxidants on Quality Traits, Safety and Shelf Life of Farmed Meagre ( <i>Ajuga taurina</i> ) Fillets, as a Strategy to Diversify Aquaculture Products. <i>Foods</i> , <b>2021</b> , 10,	4.9	2
8	Immunity and inflammatory responses in gilthead sea bream ( <i>Sparus aurata</i> L.) exposed to sub-lethal mixture of carbamazepine, cadmium chloride and polybrominated diphenyl ether. <i>Fish and Shellfish Immunology</i> , <b>2021</b> , 111, 25-35	4.3	2
7	Combination of Freezing, Low Sodium Brine, and Cold Smoking on the Quality and Shelf-Life of Sea Bass ( <i>Dicentrarchus labrax</i> L.) Fillets as a Strategy to Innovate the Market of Aquaculture Products. <i>Animals</i> , <b>2021</b> , 11,	3.1	2
6	Determination of biological characteristics of Tunisian <i>Artemia salina</i> populations. <i>Biologia (Poland)</i> , <b>2012</b> , 67, 143-150	1.5	1
5	The Use of Stable Isotope Ratio Analysis to Trace European Sea Bass ( <i>Dicentrarchus labrax</i> ) Originating from Different Farming Systems. <i>Animals</i> , <b>2020</b> , 10,	3.1	1
4	In Vitro Testing of Alternative Synthetic and Natural Antiparasitic Compounds against the Monogenean. <i>Pathogens</i> , <b>2021</b> , 10,	4.5	1
3	Cultivation and biochemical characterization of isolated Sicilian microalgal species in salt and temperature stress conditions. <i>Algal Research</i> , <b>2021</b> , 59, 102430	5	1
2	Formulation of a new sustainable feed from food industry discards for rearing the purple sea urchin <i>Paracentrotus lividus</i> . <i>Aquaculture Nutrition</i> , <b>2020</b> , 26, 1046-1057	3.2	0
1	Valorization of Side Stream Products from Sea Cage Fattened Bluefin Tuna ( <i>Thunnus thynnus</i> ): Production and In Vitro Bioactivity Evaluation of Enriched $\Omega$ 3 Polyunsaturated Fatty Acids. <i>Marine Drugs</i> , <b>2022</b> , 20, 309	6	