

Maria JosÃ© Saavedra

List of Publications by Year in descending order

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93
papers

5,428
citations

76196

40
h-index

85405

71
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96
all docs

96
docs citations

96
times ranked

6884
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial Activity and Mode of Action of Ferulic and Gallic Acids Against Pathogenic Bacteria. <i>Microbial Drug Resistance</i> , 2013, 19, 256-265.	0.9	761
2	Standard Numbering Scheme for Class B β -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 660-663.	1.4	396
3	The activity of ferulic and gallic acids in biofilm prevention and control of pathogenic bacteria. <i>Biofouling</i> , 2012, 28, 755-767.	0.8	231
4	Occurrence and diversity of integrons and β -lactamase genes among ampicillin-resistant isolates from estuarine waters. <i>Research in Microbiology</i> , 2006, 157, 938-947.	1.0	177
5	New Perspectives on the Use of Phytochemicals as an Emergent Strategy to Control Bacterial Infections Including Biofilms. <i>Molecules</i> , 2016, 21, 877.	1.7	172
6	The antimicrobial effects of glucosinolates and their respective enzymatic hydrolysis products on bacteria isolated from the human intestinal tract. <i>Journal of Applied Microbiology</i> , 2009, 106, 2086-2095.	1.4	153
7	Antimicrobial Activity of Phenolics and Glucosinolate Hydrolysis Products and their Synergy with Streptomycin against Pathogenic Bacteria. <i>Medicinal Chemistry</i> , 2010, 6, 174-183.	0.7	145
8	Multilocus phylogenetic analysis of the genus <i>Aeromonas</i> . <i>Systematic and Applied Microbiology</i> , 2011, 34, 189-199.	1.2	122
9	Evaluation of the effects of selected phytochemicals on quorum sensing inhibition and <i>in vitro</i> cytotoxicity. <i>Biofouling</i> , 2014, 30, 183-195.	0.8	122
10	Bovine mastitis disease/pathogenicity: evidence of the potential role of microbial biofilms. <i>Pathogens and Disease</i> , 2016, 74, ftw006.	0.8	119
11	Effect of mannan oligosaccharides on the performance, intestinal morphology and cecal fermentation of fattening rabbits. <i>Animal Feed Science and Technology</i> , 2006, 126, 107-120.	1.1	113
12	<i>Aeromonas aquariorum</i> sp. nov., isolated from aquaria of ornamental fish. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 1169-1175.	0.8	107
13	Insights on Antimicrobial Resistance, Biofilms and the Use of Phytochemicals as New Antimicrobial Agents. <i>Current Medicinal Chemistry</i> , 2015, 22, 2590-2614.	1.2	99
14	Valorization of solid wastes from chestnut industry processing: Extraction and optimization of polyphenols, tannins and ellagitannins and its potential for adhesives, cosmetic and pharmaceutical industry. <i>Waste Management</i> , 2016, 48, 457-464.	3.7	95
15	Initial <i>in vitro</i> evaluations of the antibacterial activities of glucosinolate enzymatic hydrolysis products against plant pathogenic bacteria. <i>Journal of Applied Microbiology</i> , 2009, 106, 2096-2105.	1.4	94
16	Antibacterial activity and mode of action of selected glucosinolate hydrolysis products against bacterial pathogens. <i>Journal of Food Science and Technology</i> , 2015, 52, 4737-4748.	1.4	91
17	Seasonal Effects on Bioactive Compounds and Antioxidant Capacity of Six Economically Important Brassica Vegetables. <i>Molecules</i> , 2011, 16, 6816-6832.	1.7	87
18	Antibacterial activity and synergistic effects between <i>Eucalyptus globulus</i> leaf residues (essential oils) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.5	85

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19	Dietary protein source or energy levels have no major impact on growth performance, nutrient utilisation or flesh fatty acids composition of market-sized Senegalese sole. <i>Aquaculture</i> , 2011, 318, 128-137.	1.7	77
20	Sfh-I, a Subclass B2 Metallo- β -Lactamase from a <i>Serratia fonticola</i> Environmental Isolate. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 2330-2333.	1.4	71
21	<i>Aeromonas taiwanensis</i> sp. nov. and <i>Aeromonas sanarellii</i> sp. nov., clinical species from Taiwan. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 2048-2055.	0.8	64
22	Antimicrobial Activity of Isothiocyanates from Cruciferous Plants against Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA). <i>International Journal of Molecular Sciences</i> , 2014, 15, 19552-19561.	1.8	60
23	Molecular Characterization of a Carbapenem-Hydrolyzing Class A β -Lactamase, SFC-1, from <i>Serratia fonticola</i> UTAD54. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 2321-2324.	1.4	59
24	Clinical Relevance of the Recently Described Species <i>Aeromonas aquariorum</i> . <i>Journal of Clinical Microbiology</i> , 2009, 47, 3742-3746.	1.8	58
25	Phylogenetic diversity, antibiotic resistance and virulence traits of <i>Aeromonas</i> spp. from untreated waters for human consumption. <i>International Journal of Food Microbiology</i> , 2012, 159, 230-239.	2.1	58
26	The action of selected isothiocyanates on bacterial biofilm prevention and control. <i>International Biodeterioration and Biodegradation</i> , 2014, 86, 25-33.	1.9	58
27	Analysing diversity among β -lactamase encoding genes in aquatic environments. <i>FEMS Microbiology Ecology</i> , 2006, 56, 418-429.	1.3	57
28	<i>Aeromonas fluvialis</i> sp. nov., isolated from a Spanish river. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 72-77.	0.8	56
29	Updated phylogeny of the genus <i>Aeromonas</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2481-2487.	0.8	55
30	Phytochemical characterization and antioxidant properties of baby-leaf watercress produced under organic production system. <i>CYTA - Journal of Food</i> , 2013, 11, 343-351.	0.9	54
31	<i>Aeromonas tecta</i> sp. nov., isolated from clinical and environmental sources. <i>Systematic and Applied Microbiology</i> , 2008, 31, 278-286.	1.2	52
32	Resistance to beta-lactam antibiotics in <i>Aeromonas hydrophila</i> isolated from rainbow trout (<i>Oncorhynchus mykiss</i>). <i>International Microbiology</i> , 2004, 7, 207-11.	1.1	52
33	Evaluation of the potential of squash pumpkin by-products (seeds and shell) as sources of antioxidant and bioactive compounds. <i>Journal of Food Science and Technology</i> , 2015, 52, 1008-1015.	1.4	51
34	Phenotypic, genotypic, and phylogenetic discrepancies to differentiate <i>Aeromonas salmonicida</i> from <i>Aeromonas bestiarum</i> . <i>International Microbiology</i> , 2005, 8, 259-69.	1.1	51
35	Crystal Structure of <i>Serratia fonticola</i> Sfh-I: Activation of the Nucleophile in Mono-Zinc Metallo- β -Lactamases. <i>Journal of Molecular Biology</i> , 2011, 411, 951-959.	2.0	48
36	BOX-PCR is an Adequate Tool for Typing <i>Aeromonas</i> spp.. <i>Antonie Van Leeuwenhoek</i> , 2005, 88, 173-179.	0.7	47

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37	Monitoring the antioxidant and antimicrobial power of grape (<i>Vitis vinifera</i> L.) stems phenolics over long-term storage. <i>Industrial Crops and Products</i> , 2018, 126, 83-91.	2.5	47
38	Biofilms in Diabetic Foot Ulcers: Impact, Risk Factors and Control Strategies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8278.	1.8	47
39	Reuse potential of vegetable wastes (broccoli, green bean and tomato) for the recovery of antioxidant phenolic acids and flavonoids. <i>International Journal of Food Science and Technology</i> , 2017, 52, 98-107.	1.3	46
40	Phylogenetic Evidence Suggests That Strains of <i>Aeromonas hydrophila</i> subsp. <i>dhakensis</i> Belong to the Species <i>Aeromonas aquariorum</i> sp. nov.. <i>Current Microbiology</i> , 2009, 58, 76-80.	1.0	43
41	Phytochemistry and activity against digestive pathogens of grape (<i>Vitis vinifera</i> L.) stem's (poly)phenolic extracts. <i>LWT - Food Science and Technology</i> , 2015, 61, 25-32.	2.5	42
42	Biofilm formation and multidrug-resistant <i>Aeromonas</i> spp. from wild animals. <i>Journal of Global Antimicrobial Resistance</i> , 2018, 12, 227-234.	0.9	41
43	Antimicrobial Resistance Patterns of <i>Aeromonas</i> spp. Isolated from Ornamental Fish. <i>Journal of Aquaculture Research & Development</i> , 2012, 03, .	0.4	40
44	Antibacterial potential of <i>Urtica dioica</i> and <i>Lavandula angustifolia</i> extracts against methicillin resistant <i>Staphylococcus aureus</i> isolated from diabetic foot ulcers. <i>Journal of Herbal Medicine</i> , 2017, 10, 53-58.	1.0	38
45	Phenolic Profile and Bioactive Potential of Stems and Seed Kernels of Sweet Cherry Fruit. <i>Antioxidants</i> , 2020, 9, 1295.	2.2	38
46	Antibacterial Activity of Phenyl Isothiocyanate on <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>Medicinal Chemistry</i> , 2013, 9, 756-761.	0.7	38
47	Persister cells in a biofilm treated with a biocide. <i>Biofouling</i> , 2011, 27, 403-411.	0.8	37
48	Correlations between disease severity, glucosinolate profiles and total phenolics and <i>Xanthomonas campestris</i> pv. <i>campestris</i> inoculation of different Brassicaceae. <i>Scientia Horticulturae</i> , 2011, 129, 503-510.	1.7	37
49	Study of composition, stabilization and processing of wheat germ and maize industrial by-products. <i>Industrial Crops and Products</i> , 2013, 42, 292-298.	2.5	37
50	Phytochemical Composition and Antibacterial Activity of Hydroalcoholic Extracts of <i>Pterospartum tridentatum</i> and <i>Mentha pulegium</i> against <i>Staphylococcus aureus</i> Isolates. <i>BioMed Research International</i> , 2016, 2016, 1-11.	0.9	37
51	Effects of agriculture production systems on nitrate and nitrite accumulation on baby leaf salads. <i>Food Science and Nutrition</i> , 2013, 1, 3-7.	1.5	35
52	Combinatorial Activity of Flavonoids with Antibiotics Against Drug-Resistant <i>Staphylococcus aureus</i> . <i>Microbial Drug Resistance</i> , 2015, 21, 600-609.	0.9	33
53	Combinatorial approaches with selected phytochemicals to increase antibiotic efficacy against <i>Staphylococcus aureus</i> biofilms. <i>Biofouling</i> , 2016, 32, 1103-1114.	0.8	32
54	Enhanced phytochemical composition and biological activities of grape (<i>Vitis vinifera</i> L.) Stems growing in low altitude regions. <i>Scientia Horticulturae</i> , 2020, 265, 109248.	1.7	32

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55	Tetracycline-resistance genes in Gram-negative isolates from estuarine waters. <i>Letters in Applied Microbiology</i> , 2008, 47, 526-533.	1.0	29
56	Antibacterial activity and synergistic effect between watercress extracts, 2-phenylethyl isothiocyanate and antibiotics against 11 isolates of <i>Escherichia coli</i> from clinical and animal source. <i>Letters in Applied Microbiology</i> , 2013, 57, 266-273.	1.0	28
57	The recently proposed species <i>Aeromonas sharmana</i> sp. nov., isolate GPTSA-6T, is not a member of the genus <i>Aeromonas</i> . <i>International Microbiology</i> , 2007, 10, 61-4.	1.1	28
58	Phylogenetic identification of <i>Aeromonas</i> strains isolated from carcasses of pig as new members of the species <i>Aeromonas allosaccharophila</i> . <i>Antonie Van Leeuwenhoek</i> , 2007, 91, 159-167.	0.7	25
59	<i>Aeromonas cavernicola</i> sp. nov., isolated from fresh water of a brook in a cavern. <i>Current Microbiology</i> , 2013, 66, 197-204.	1.0	25
60	Analysis of glycosylated flavonoids extracted from sweet-cherry stems, as antibacterial agents against pathogenic <i>Escherichia coli</i> isolates. <i>Acta Biochimica Polonica</i> , 2017, 64, 265-271.	0.3	24
61	Biochemical Characterization of SFC-1, a Class A Carbapenem-Hydrolyzing β -Lactamase. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 4512-4514.	1.4	23
62	Recovery of bioactive compounds from white grape (<i>Vitis vinifera</i> L.) stems as potential antimicrobial agents for human health. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1009-1015.	1.8	23
63	First Study on Antimicrobial Activity and Synergy between Isothiocyanates and Antibiotics Against Selected Gram-Negative And Gram-Positive Pathogenic Bacteria From Clinical And Animal Source. <i>Medicinal Chemistry</i> , 2012, 8, 474-480.	0.7	23
64	Irrigation deficit turns almond by-products into a valuable source of antimicrobial (poly)phenols. <i>Industrial Crops and Products</i> , 2019, 132, 186-196.	2.5	22
65	Evaluation of 16S rDNA- and gyrB-DGGE for typing members of the genus <i>Aeromonas</i> . <i>FEMS Microbiology Letters</i> , 2005, 246, 11-18.	0.7	21
66	Isolation and Characterization of Fish-Gut <i>Bacillus</i> spp. as Source of Natural Antimicrobial Compounds to Fight Aquaculture Bacterial Diseases. <i>Marine Biotechnology</i> , 2021, 23, 276-293.	1.1	21
67	Biofilms and antibiotic susceptibility of multidrug-resistant bacteria from wild animals. <i>PeerJ</i> , 2018, 6, e4974.	0.9	19
68	Evaluation of the best method to assess antibiotic potentiation by phytochemicals against <i>Staphylococcus aureus</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2014, 79, 125-134.	0.8	18
69	Antimicrobial, Antibiofilm, and Antioxidant Properties of <i>Boletus edulis</i> and <i>Neoboletus luridiformis</i> Against Multidrug-Resistant ESKAPE Pathogens. <i>Frontiers in Nutrition</i> , 2021, 8, 773346.	1.6	18
70	Phylogenetic identification of <i>Aeromonas</i> from pigs slaughtered for consumption in slaughterhouses at the North of Portugal. <i>International Journal of Food Microbiology</i> , 2011, 146, 118-122.	2.1	17
71	Evaluation of Biological Value and Appraisal of Polyphenols and Glucosinolates from Organic Baby-Leaf Salads as Antioxidants and Antimicrobials against Important Human Pathogenic Bacteria. <i>Molecules</i> , 2013, 18, 4651-4668.	1.7	17
72	Biochemical Characterization of Sfh-I, a Subclass B2 Metallo- β -Lactamase from <i>Serratia fonticola</i> UTAD54. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 5392-5395.	1.4	14

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73	Genomic Epidemiology of Carbapenemase Producing <i>Klebsiella pneumoniae</i> Strains at a Northern Portuguese Hospital Enables the Detection of a Misidentified <i>Klebsiella variicola</i> KPC-3 Producing Strain. <i>Microorganisms</i> , 2020, 8, 1986.	1.6	13
74	<i>Bacillus</i> spp. Inhibit <i>Edwardsiella tarda</i> Quorum-Sensing and Fish Infection. <i>Marine Drugs</i> , 2021, 19, 602.	2.2	13
75	Phylogenetic identification of <i>Aeromonas simiae</i> from a pig, first isolate since species description. <i>Veterinary Microbiology</i> , 2010, 142, 313-316.	0.8	12
76	Antibacterial Effects of Glucosinolate-Derived Hydrolysis Products Against Enterobacteriaceae and Enterococci Isolated from Pig Ileum Segments. <i>Foodborne Pathogens and Disease</i> , 2012, 9, 338-345.	0.8	12
77	Extended-spectrum β -lactamase and carbapenemase-producing <i>Aeromonas</i> species in wild animals from Portugal. <i>Veterinary Record</i> , 2014, 174, 532-532.	0.2	12
78	Potential virulence factors of <i>Candida</i> spp. isolated from clinical and food sources. <i>Journal of Hospital Infection</i> , 2010, 75, 240-241.	1.4	9
79	The Role of Aquatic Ecosystems (River Tua, Portugal) as Reservoirs of Multidrug-Resistant <i>Aeromonas</i> spp.. <i>Water (Switzerland)</i> , 2021, 13, 698.	1.2	9
80	Virulence, attachment and invasion of Caco-2 cells by multidrug-resistant bacteria isolated from wild animals. <i>Microbial Pathogenesis</i> , 2019, 128, 230-235.	1.3	8
81	Comparative antioxidant and antimicrobial properties of <i>Lentinula edodes</i> Donko and Koshin varieties against priority multidrug-resistant pathogens. <i>South African Journal of Chemical Engineering</i> , 2021, 35, 98-106.	1.2	8
82	Draft Genome Sequence of <i>Serratia fonticola</i> UTAD54, a Carbapenem-Resistant Strain Isolated from Drinking Water. <i>Genome Announcements</i> , 2013, 1, .	0.8	7
83	Screening of Natural Molecules as Adjuvants to Topical Antibiotics to Treat <i>Staphylococcus aureus</i> from Diabetic Foot Ulcer Infections. <i>Antibiotics</i> , 2022, 11, 620.	1.5	6
84	Phylogenetic Diversity of <i>Aeromonas</i> from "Alheira," a Traditional Portuguese Meat Product. <i>Foodborne Pathogens and Disease</i> , 2012, 9, 713-718.	0.8	5
85	Antimicrobial Susceptibility of <i>Aeromonas</i> Spp. Isolated from Pig Ileum Segments to Natural Isothiocyanates. <i>Medicinal Chemistry</i> , 2013, 9, 861-866.	0.7	5
86	The potential of phytochemical products in biofilm control. , 2020, , 273-293.		4
87	Multiresistant bacteria: Invisible enemies of freshwater mussels. <i>Environmental Pollution</i> , 2022, 295, 118671.	3.7	3
88	<i>Aeromonas fluvialis</i> sp. nov., isolated from a Spanish river. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 1008-1008.	0.8	2
89	Isolamento de <i>Pasteurella</i> spp. e <i>Vibrio</i> spp. em robalos (<i>Dicentrarchus labrax</i>): susceptibilidade a diferentes grupos de antibióticos. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2004, 56, 277-279.	0.1	1
90	Black-and-White Ruffed Lemur (<i>Varecia variegata</i>) in Captivity: Analysis of the Oral Microbiota in a One Health Perspective. <i>Animals</i> , 2021, 11, 2905.	1.0	1

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91	In vitro modulation of gilthead seabream (<i>Sparus aurata</i> L.) leukocytes by <i>Bacillus</i> spp. extracellular molecules upon bacterial challenge. <i>Fish and Shellfish Immunology</i> , 2022, 121, 285-294.	1.6	1
92	Antibiotic Resistance of the Genus <i>Aeromonas</i> Spp. <i>Journal of Aquaculture Research & Development</i> , 2011, 03, .	0.4	0
93	DESAFIOS NO ENSINO DA CIÃŠNCIA E TECNOLOGIA DOS BIOFILMES. , 0, , 190-198.		0