

Rosanna Capparelli

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

2,176
citations

257101

24
h-index

253896

43
g-index

81
all docs

81
docs citations

81
times ranked

3516
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Phage Therapy against <i>Staphylococcus aureus</i> in Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 2765-2773.	1.4	254
2	MicroRNA-223 controls susceptibility to tuberculosis by regulating lung neutrophil recruitment. <i>Journal of Clinical Investigation</i> , 2013, 123, 4836-4848.	3.9	245
3	Bacteriophage Therapy of <i>Salmonella enterica</i> : A Fresh Appraisal of Bacteriophage Therapy. <i>Journal of Infectious Diseases</i> , 2010, 201, 52-61.	1.9	118
4	Bacteriophage-Resistant <i>Staphylococcus aureus</i> Mutant Confers Broad Immunity against Staphylococcal Infection in Mice. <i>PLoS ONE</i> , 2010, 5, e11720.	1.1	91
5	QCM-based immunosensor for rapid detection of <i>Salmonella Typhimurium</i> in food. <i>Scientific Reports</i> , 2018, 8, 16137.	1.6	83
6	Peptides from Royal Jelly: studies on the antimicrobial activity of jelleins, jelleins analogs and synergy with temporins. <i>Journal of Peptide Science</i> , 2011, 17, 348-352.	0.8	77
7	Two Plant Puroindolines Colocalize in Wheat Seed and in vitro Synergistically Fight Against Pathogens. <i>Plant Molecular Biology</i> , 2005, 58, 857-867.	2.0	70
8	Structures of free and inhibited forms of the L,D-transpeptidase LdtMt1 from <i>Mycobacterium tuberculosis</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 1697-1706.	2.5	58
9	Characterization of Drug Resistance and Virulotypes of <i>Salmonella</i> Strains Isolated from Food and Humans. <i>Foodborne Pathogens and Disease</i> , 2013, 10, 963-968.	0.8	54
10	Screen Printed Based Impedimetric Immunosensor for Rapid Detection of <i>Escherichia coli</i> in Drinking Water. <i>Sensors</i> , 2020, 20, 274.	2.1	53
11	Genetic Resistance to <i>Brucella abortus</i> in the Water Buffalo (<i>Bubalus bubalis</i>). <i>Infection and Immunity</i> , 2006, 74, 2115-2120.	1.0	51
12	Design, structural and functional characterization of a Temporin-1b analog active against Gram-negative bacteria. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3767-3775.	1.1	50
13	Protective Effect of the Nramp1 BB Genotype against <i>Brucella abortus</i> in the Water Buffalo (<i>Bubalus</i>) Tj ETQq1 1 0.784314 rgBT /Overl	1.0	40
14	Role Played by Human Mannose-Binding Lectin Polymorphisms in Pulmonary Tuberculosis. <i>Journal of Infectious Diseases</i> , 2009, 199, 666-672.	1.9	40
15	Effective antibodies immobilization and functionalized nanoparticles in a quartz-crystal microbalance-based immunosensor for the detection of parathion. <i>PLoS ONE</i> , 2017, 12, e0171754.	1.1	40
16	Synergistic Antibacterial and Anti-Inflammatory Activity of Temporin A and Modified Temporin B In Vivo. <i>PLoS ONE</i> , 2009, 4, e7191.	1.1	39
17	Expression of recombinant puroindolines for the treatment of staphylococcal skin infections (acne) Tj ETQq1 1 0.784314 rgBT /Overl	1.9	36
18	New perspectives for natural antimicrobial peptides: application as anti-inflammatory drugs in a murine model. <i>BMC Immunology</i> , 2012, 13, 61.	0.9	34

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19	Role of Branched-Chain Amino Acid Metabolism in Type 2 Diabetes, Obesity, Cardiovascular Disease and Non-Alcoholic Fatty Liver Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4325.	1.8	33
20	Biological activity of lactoferrin-functionalized biomimetic hydroxyapatite nanocrystals. <i>International Journal of Nanomedicine</i> , 2014, 9, 1175.	3.3	29
21	Physical and functional characterization of the genetic locus of IBtk, an inhibitor of Bruton's tyrosine kinase: evidence for three protein isoforms of IBtk. <i>Nucleic Acids Research</i> , 2008, 36, 4402-4416.	6.5	28
22	DNA content differences in laboratory mouse strains determined by flow cytometry. , 1997, 29, 261-266.		27
23	<p>Biomimetic hydroxyapatite nanocrystals are an active carrier for Salmonella bacteriophages</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2219-2232.	3.3	27
24	Plant Dynamic Metabolic Response to Bacteriophage Treatment After <i>Xanthomonas campestris</i> pv. <i>campestris</i> Infection. <i>Frontiers in Microbiology</i> , 2020, 11, 732.	1.5	25
25	The <i>Staphylococcus aureus</i> Peptidoglycan Protects Mice against the Pathogen and Eradicates Experimentally Induced Infection. <i>PLoS ONE</i> , 2011, 6, e28377.	1.1	25
26	Lactoferrin Adsorbed onto Biomimetic Hydroxyapatite Nanocrystals Controlling - In Vivo - the <i>Helicobacter pylori</i> Infection. <i>PLoS ONE</i> , 2016, 11, e0158646.	1.1	24
27	The hypothesis that <i>Helicobacter pylori</i> predisposes to Alzheimerâ€™s disease is biologically plausible. <i>Scientific Reports</i> , 2017, 7, 7817.	1.6	24
28	The neonicotinoid insecticide Clothianidin adversely affects immune signaling in a human cell line. <i>Scientific Reports</i> , 2017, 7, 13446.	1.6	22
29	Experimental antibacterial therapy with puroindolines, lactoferrin and lysozyme in <i>Listeria monocytogenes</i> -infected mice. <i>Microbes and Infection</i> , 2010, 12, 538-545.	1.0	21
30	Rapid selection of phage-resistant mutants in <i>Streptococcus thermophilus</i> by immunoselection and cell sorting. <i>International Journal of Food Microbiology</i> , 2003, 89, 223-231.	2.1	19
31	Fungistatic activity of iron-free bovin lactoferrin against several fungal plant pathogens and antagonists. <i>Natural Product Research</i> , 2008, 22, 955-961.	1.0	19
32	Structural data and immunomodulatory properties of a water-soluble heteroglycan extracted from the mycelium of an Italian isolate of <i>Ganoderma lucidum</i> . <i>Natural Product Research</i> , 2017, 31, 2119-2125.	1.0	19
33	An Innovative Approach to Control <i>H. pylori</i> -Induced Persistent Inflammation and Colonization. <i>Microorganisms</i> , 2020, 8, 1214.	1.6	19
34	The <i>Nramp1AA</i> genotype confers susceptibility to <i>Brucella abortus</i> in water buffalo. <i>Mammalian Genome</i> , 2007, 18, 137-143.	1.0	17
35	An In Vitro Model to Investigate the Role of <i>Helicobacter pylori</i> in Type 2 Diabetes, Obesity, Alzheimerâ€™s Disease and Cardiometabolic Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8369.	1.8	17
36	Effects of active alginate edible coating enriched with hydroxyapatite-quercetin complexes during the cold storage of fresh chicken fillets. <i>Food Packaging and Shelf Life</i> , 2022, 32, 100847.	3.3	17

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37	Occurrence and antimicrobial resistance of Salmonella strains from food of animal origin in southern Italy. <i>Folia Microbiologica</i> , 2016, 61, 21-27.	1.1	16
38	Production and Characterization of Medium-Sized and Short Antioxidant Peptides from Soy Flour-Simulated Gastrointestinal Hydrolysate. <i>Antioxidants</i> , 2021, 10, 734.	2.2	16
39	Mincle, an Innate Immune Receptor, Is Expressed in Urothelial Cancer Cells of Papillomavirus-Associated Urothelial Tumors of Cattle. <i>PLoS ONE</i> , 2015, 10, e0141624.	1.1	16
40	Lactoferrin, Quercetin, and Hydroxyapatite Act Synergistically against <i>Pseudomonas fluorescens</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 9247.	1.8	15
41	Epistatic interaction between <i>MyD88</i> and <i>TIRAP</i> against <i>Helicobacter pylori</i> . <i>FEBS Letters</i> , 2016, 590, 2127-2137.	1.3	13
42	An ELISA method to identify the phytotoxic <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> exopolysaccharides: A tool for rapid immunochemical detection of kiwifruit bacterial canker. <i>Phytochemistry Letters</i> , 2017, 19, 136-140.	0.6	13
43	Milk microRNA-146a as a potential biomarker in bovine tuberculosis. <i>Journal of Dairy Research</i> , 2018, 85, 178-180.	0.7	13
44	ERas protein is overexpressed and binds to the activated platelet-derived growth factor β receptor in bovine urothelial tumour cells associated with papillomavirus infection. <i>Veterinary Journal</i> , 2016, 212, 44-47.	0.6	12
45	Molecular characterisation, genetic variability and detection of a functional polymorphism influencing the promoter activity of <i>OXT</i> gene in goat and sheep. <i>Journal of Dairy Research</i> , 2017, 84, 165-169.	0.7	12
46	Interaction between MyD88, TIRAP and IL1RL1 against <i>Helicobacter pylori</i> infection. <i>Scientific Reports</i> , 2020, 10, 15831.	1.6	12
47	Bacteriophages Promote Metabolic Changes in Bacteria Biofilm. <i>Microorganisms</i> , 2020, 8, 480.	1.6	12
48	The Union Is Strength: The Synergic Action of Long Fatty Acids and a Bacteriophage against <i>Xanthomonas campestris</i> Biofilm. <i>Microorganisms</i> , 2021, 9, 60.	1.6	11
49	Characterization of non-typhoidal <i>Salmonella enterica</i> strains of human origin in central and southern Italy. <i>Italian Journal of Food Safety</i> , 2018, 7, 6888.	0.5	10
50	Antibiofilm Activity of a <i>Trichoderma</i> Metabolite against <i>Xanthomonas campestris</i> pv. <i>campestris</i> , Alone and in Association with a Phage. <i>Microorganisms</i> , 2020, 8, 620.	1.6	10
51	Nitric Oxide and Hydrogen Sulfide: A Nice Pair in the Respiratory System. <i>Current Medicinal Chemistry</i> , 2020, 27, 7136-7148.	1.2	10
52	<i>Moringa oleifera</i> Lam.: A Phytochemical and Pharmacological Overview. <i>Horticulturae</i> , 2021, 7, 409.	1.2	10
53	Epigenetics and <i>Helicobacter pylori</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 1759.	1.8	10
54	Use of monoclonal antibodies for radioimmunoassay of water buffalo milk progesterone. <i>Journal of Dairy Research</i> , 1987, 54, 471-477.	0.7	9

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55	The <sc>SNP</sc> g.4667G>A at 3â€™â€™<sc>UTR</sc> of <i><sc>IFNG</sc></i> gene is associated with susceptibility to bovine tuberculosis in Mediterranean water buffalo (<i>Bubalus bubalis</i>). <i>Animal Genetics</i> , 2018, 49, 496-497.	0.6	9
56	The Role of Formyl Peptide Receptors in Permanent and Low-Grade Inflammation: <i>Helicobacter pylori</i> Infection as a Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3706.	1.8	9
57	Role of phage ϕ 1 in two strains of <i>Salmonella</i> Rissen, sensitive and resistant to phage ϕ 1. <i>BMC Microbiology</i> , 2018, 18, 208.	1.3	8
58	Simultaneous Identification of Antibodies to <i>Brucella abortus</i> and <i>Staphylococcus aureus</i> in Milk Samples by Flow Cytometry. <i>Journal of Clinical Microbiology</i> , 1998, 36, 802-806.	1.8	8
59	The CARD9 Polymorphisms rs4077515, rs10870077 and rs10781499 Are Uncoupled from Susceptibility to and Severity of Pulmonary Tuberculosis. <i>PLoS ONE</i> , 2016, 11, e0163662.	1.1	8
60	In vitro biosynthesis of lactase in suckling and adult rabbits. <i>FEBS Letters</i> , 1993, 329, 106-110.	1.3	7
61	Quantification of gliadin levels to the picogram level by flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2005, 63A, 108-113.	1.1	7
62	Genetics of Host Protection against <i>Helicobacter pylori</i> Infections. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3192.	1.8	7
63	Use of molecular markers and flow cytometry to preserve ancient Annurca apple germplasm. <i>Biotechnology Letters</i> , 2007, 29, 279-284.	1.1	6
64	Heterozygosity at the A625C Polymorphic Site of the MyD88 Gene Is Associated with <i>Mycobacterium bovis</i> Infection in Cattle. <i>Infection and Immunity</i> , 2013, 81, 2139-2144.	1.0	6
65	Role of Epigenetics in Type 2 Diabetes and Obesity. <i>Biomedicines</i> , 2021, 9, 977.	1.4	5
66	Alginateâ€based coatings charged with hydroxyapatite and quercetin for freshâ€™ papaya shelf life. <i>International Journal of Food Science and Technology</i> , 2022, 57, 5307-5318.	1.3	5
67	Mouse Monoclonal Antibodies Detect an Allotypic Determinant Common to Several Ruminant Species. <i>Hybridoma</i> , 1989, 8, 315-321.	0.9	4
68	Monoallelic expression of mouse Cd4 gene. <i>Mammalian Genome</i> , 2004, 15, 579-584.	1.0	3
69	Quantification of Gliadin by Flow Cytometry. <i>Cereal Chemistry</i> , 2004, 81, 456-458.	1.1	2
70	Tobacco BY-2 cells as effective bioreactor for the production of puroindolines. <i>Biotechnology and Applied Biochemistry</i> , 2008, 53, 193-199.	1.4	2
71	The tumor necrosis factor g1022G>A polymorphism is associated with resistance to tuberculosis in water buffalo (<i>Bubalus bubalis</i>). <i>Animal Genetics</i> , 2017, 48, 250-251.	0.6	2
72	Caulerpin Mitigates <i>Helicobacter pylori</i> -Induced Inflammation via Formyl Peptide Receptors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13154.	1.8	2

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73	Bacteriophage-Resistant Salmonella rissen: An In Vitro Mitigated Inflammatory Response. <i>Viruses</i> , 2021, 13, 2468.	1.5	2
74	Immunogenetics of the McB1 Macroglobulin Allotype in Cattle. <i>International Archives of Allergy and Immunology</i> , 1979, 58, 470-473.	0.9	1
75	Immunogenetics of the D1 Serum Antigen of Rhesus Monkey <i>Macaca Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 Td	0.9	1
76	Goat-Mouse Hybridomas Secreting Goat Immunoglobulins. <i>Hybridoma</i> , 1990, 9, 149-155.	0.9	1
77	Detection of <i>Brucella</i> spp. in Stretched Curd Cheese as Assessed by Molecular Assays. <i>Journal of Food Safety</i> , 2013, 33, 145-148.	1.1	1
78	Mutants of cultured mouse cells deficient in Ly-2 antigen. <i>Immunogenetics</i> , 1994, 40, 154-8.	1.2	0
79	Water buffalo (<i>Bubalus bubalus</i> Arnee) allotypes: Identification of two specificities controlled by independent genes. <i>Animal Blood Groups and Biochemical Genetics</i> , 1981, 12, 23-30.	0.0	0