Francesca Bugli

List of Publications by Year
in descending order

86	2,113	304602 22	265120 42
papers	citations	h-index	g-index

88	88	88	3797
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Alginate Lyase on Biofilm-GrownHelicobacter pyloriProbed by Atomic Force Microscopy. International Journal of Polymer Science, 2015, 2015, 1-9.	1.2	288
2	Biomimetic antimicrobial cloak by graphene-oxide agar hydrogel. Scientific Reports, 2016, 6, 12.	1.6	143
3	Bacteria Meet Graphene: Modulation of Graphene Oxide Nanosheet Interaction with Human Pathogens for Effective Antimicrobial Therapy. ACS Biomaterials Science and Engineering, 2017, 3, 619-627.	2.6	115
4	Human DDX3 protein is a valuable target to develop broad spectrum antiviral agents. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5388-5393.	3.3	100
5	Effects of Proton Pump Inhibitors on the Gastric Mucosa-Associated Microbiota in Dyspeptic Patients. Applied and Environmental Microbiology, 2016, 82, 6633-6644.	1.4	85
6	Clinically approved PEGylated nanoparticles are covered by a protein corona that boosts the uptake by cancer cells. Nanoscale, 2017, 9, 10327-10334.	2.8	74
7	Nanomedicine Approaches for the Pulmonary Treatment of Cystic Fibrosis. Frontiers in Bioengineering and Biotechnology, 2019, 7, 406.	2.0	65
8	Curcumin-loaded graphene oxide flakes as an effective antibacterial system against methicillin-resistant Staphylococcus aureus. Interface Focus, 2018, 8, 20170059.	1.5	61
9	Human Monoclonal Antibody-Based Therapy in the Treatment of Invasive Candidiasis. Clinical and Developmental Immunology, 2013, 2013, 1-9.	3.3	60
10	Graphene oxide coatings prevent Candida albicans biofilm formation with a controlled release of curcumin-loaded nanocomposites. Nanomedicine, 2018, 13, 2867-2879.	1.7	57
11	Dissection of human humoral immune response against hepatitis C virus E2 glycoprotein by repertoire cloning and generation of recombinant fab fragments. Hepatology, 1998, 28, 810-814.	3.6	51
12	Mapping B-Cell Epitopes of Hepatitis C Virus E2 Glycoprotein Using Human Monoclonal Antibodies from Phage Display Libraries. Journal of Virology, 2001, 75, 9986-9990.	1.5	45
13	In VitroInteraction between Alginate Lyase and Amphotericin B against Aspergillus fumigatus Biofilm Determined by Different Methods. Antimicrobial Agents and Chemotherapy, 2013, 57, 1275-1282.	1.4	45
14	Nonneutralizing Human Antibody Fragments against Hepatitis C Virus E2 Glycoprotein Modulate Neutralization of Binding Activity of Human Recombinant Fabs. Virology, 2001, 288, 29-35.	1.1	38
15	A New Strategy for Glioblastoma Treatment: In Vitro and In Vivo Preclinical Characterization of Si306, a Pyrazolo[3,4-d]Pyrimidine Dual Src/P-Glycoprotein Inhibitor. Cancers, 2019, 11, 848.	1.7	38
16	Epicardial adipose tissue microbial colonization and inflammasome activation in acute coronary syndrome. International Journal of Cardiology, 2017, 236, 95-99.	0.8	34
17	The PavA-like Fibronectin-Binding Protein of Enterococcus faecalis, EfbA, Is Important for Virulence in a Mouse Model of Ascending Urinary Tract Infection. Journal of Infectious Diseases, 2012, 206, 952-960.	1.9	33
18	Reduction and shaping of graphene-oxide by laser-printing for controlled bone tissue regeneration and bacterial killing. 2D Materials, 2018, 5, 015027.	2.0	32

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19	Different effects of matrix degrading enzymes towards biofilms formed by E. faecalis and E. faecium clinical isolates. Colloids and Surfaces B: Biointerfaces, 2017, 158, 349-355.	2.5	31
20	DDX3X inhibitors, an effective way to overcome HIV-1 resistance targeting host proteins. European Journal of Medicinal Chemistry, 2020, 200, 112319.	2.6	27
21	Liposomes loaded with bioactive lipids enhance antibacterial innate immunity irrespective of drug resistance. Scientific Reports, 2017, 7, 45120.	1.6	26
22	Graphene Oxide Coatings as Tools to Prevent Microbial Biofilm Formation on Medical Device. Advances in Experimental Medicine and Biology, 2019, 1282, 21-35.	0.8	26
23	In vitro effect of clarithromycin and alginate lyase against helicobacter pylori biofilm. Biotechnology Progress, 2016, 32, 1584-1591.	1.3	25
24	Is the Antimicrobial Activity of Hydrolates Lower than That of Essential Oils?. Antibiotics, 2021, 10, 88.	1.5	25
25	Detection of Biofilm-Grown Aspergillus fumigatus by Means of Atomic Force Spectroscopy: Ultrastructural Effects of Alginate Lyase. Microscopy and Microanalysis, 2012, 18, 1088-1094.	0.2	23
26	Monarda citriodora hydrolate vs essential oil comparison in several anti-microbial applications. Industrial Crops and Products, 2019, 128, 206-212.	2.5	23
27	Monoclonal antibody fragment from combinatorial phage display library neutralizes alpha-latrotoxin activity and abolishes black widow spider venom lethality, in mice. Toxicon, 2008, 51, 547-554.	0.8	21
28	Analysis of heat-induced changes in protein expression of Stenotrophomonas maltophilia K279a reveals a role for GroEL in the host-temperature adaptation. International Journal of Medical Microbiology, 2011, 301, 273-281.	1.5	21
29	Characterization of a Schistosoma mansoni cDNA encoding a B-like cyclophilin and its expression in Escherichia coli. Molecular and Biochemical Parasitology, 1995, 75, 99-111.	0.5	20
30	Liposome-based sensor for the detection of bacteria. Sensors and Actuators B: Chemical, 2017, 248, 247-256.	4.0	20
31	Helicobacter pylori infection contributes to placental impairment in preeclampsia: basic and clinical evidences. Helicobacter, 2017, 22, e12347.	1.6	20
32	Synthesis and characterization of different immunogenic viral nanoconstructs from rotavirus VP6 inner capsid protein. International Journal of Nanomedicine, 2014, 9, 2727.	3.3	19
33	I Like the Way You Eat It: Lemur (Indri indri) Gut Mycobiome and Geophagy. Microbial Ecology, 2021, 82, 215-223.	1.4	19
34	A vector for the expression of recombinant monoclonal Fab fragments in bacteria. Journal of Immunological Methods, 1998, 217, 195-199.	0.6	18
35	Biological Characterization and in Vivo Assessment of the Activity of a New Synthetic Macrocyclic Antifungal Compound. Journal of Medicinal Chemistry, 2016, 59, 3854-3866.	2.9	18
36	Antibiofilm Activity of Three Different Irrigation Techniques: An in Vitro Study. Antibiotics, 2019, 8, 112.	1.5	17

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37	Origanum vulgare Essential Oil vs. a Commercial Mixture of Essential Oils: In Vitro Effectiveness on Salmonella spp. from Poultry and Swine Intensive Livestock. Antibiotics, 2020, 9, 763.	1.5	17
38	Fish-derived antimicrobial peptides: Activity of a chionodracine mutant against bacterial models and human bacterial pathogens. Developmental and Comparative Immunology, 2019, 96, 9-17.	1.0	15
39	In vitro characterization, ADME analysis, and histological and toxicological evaluation of BM1, a macrocyclic amidinourea active against azole-resistant Candida strains. International Journal of Antimicrobial Agents, 2020, 55, 105865.	1.1	15
40	Sequence conservation of schistosome cyclophilins. Molecular and Biochemical Parasitology, 1996, 81, 239-242.	0.5	13
41	Design and characterization of chionodracine-derived antimicrobial peptides with enhanced activity against drug-resistant human pathogens. RSC Advances, 2018, 8, 41331-41346.	1.7	13
42	Antimicrobial and Antibiofilm Properties of Graphene Oxide on Enterococcus faecalis. Antibiotics, 2020, 9, 692.	1.5	13
43	Expression Cloning and Biochemical Characterizations of Recombinant Cyclophilin Proteins fromSchistosoma mansoni. Protein Expression and Purification, 1998, 12, 340-346.	0.6	12
44	Production and Characterization of a Human Recombinant Monoclonal Fab Fragment Specific for Influenza A Viruses. Vaccine Journal, 2003, 10, 680-685.	3.2	12
45	Potent In Vitro Activity of Citrus aurantium Essential Oil and Vitis vinifera Hydrolate Against Gut Yeast Isolates from Irritable Bowel Syndrome Patientsâ€"The Right Mix for Potential Therapeutic Use. Nutrients, 2020, 12, 1329.	1.7	12
46	Metal-Free Antibacterial Additives Based on Graphene Materials and Salicylic Acid: From the Bench to Fabric Applications. ACS Applied Materials & Interfaces, 2021, 13, 26288-26298.	4.0	12
47	Mannosyl, glucosyl or galactosyl liposomes to improve resveratrol efficacy against Methicillin Resistant Staphylococcus aureus biofilm. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 617, 126321.	2.3	12
48	An Antibody Reactivity-Based Assay for Diagnosis of Invasive Candidiasis Using Protein Array. International Journal of Immunopathology and Pharmacology, 2014, 27, 403-412.	1.0	11
49	Overexpression of Enterococcus faecalis elr operon protects from phagocytosis. BMC Microbiology, 2015, 15, 112.	1.3	11
50	A fast and quantitative evaluation of the Aspergillus fumigatus biofilm adhesion properties by means of digital pulsed force mode. Applied Surface Science, 2013, 279, 409-415.	3.1	10
51	First Italian case of cyclosporiasis in an immunocompetent woman: local acquired infection. New Microbiologica, 2008, 31, 281-4.	0.1	10
52	Design and Characterization of Myristoylated and Non-Myristoylated Peptides Effective against Candida spp. Clinical Isolates. International Journal of Molecular Sciences, 2022, 23, 2164.	1.8	10
53	Human Monoclonal Antibody Fragment Specific for Glycoprotein G in Herpes Simplex Virus Type 2 with Applications for Serotype-Specific Diagnosis. Journal of Clinical Microbiology, 2004, 42, 1250-1253.	1.8	9
54	The Enterococcus faecalis virulence factor ElrA interacts with the human Four-and-a-Half LIM Domains Protein 2. Scientific Reports, 2017, 7, 4581.	1.6	9

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55	Expression profiling in a mammalian host reveals the strong induction of genes encoding LysM domain-containing proteins in Enterococcus faecium. Scientific Reports, 2018, 8, 12412.	1.6	9
56	Multiple malaria infection in a pregnant woman from Nigeria: detection by multiplex PCR. New Microbiologica, 2008, 31, 565-7.	0.1	9
57	A new subtraction technique for molecular cloning of rare antiviral antibody specificities from phage display libraries. Research in Virology, 1998, 149, 327-330.	0.7	8
58	Serum Endotoxin Activity Measured with Endotoxin Activity Assay Is Associated with Serum Interleukin-6 Levels in Patients on Chronic Hemodialysis. Blood Purification, 2016, 42, 294-300.	0.9	8
59	Increased production of gliotoxin is related to the formation of biofilm byAspergillus fumigatus: an immunological approach. Pathogens and Disease, 2014, 70, 379-389.	0.8	7
60	VP6-SUMO Self-Assembly as Nanocarriers for Gastrointestinal Delivery. Journal of Nanomaterials, 2015, 2015, 1-7.	1.5	7
61	The Polyamine N -Acetyltransferase-Like Enzyme PmvE Plays a Role in the Virulence of Enterococcus faecalis. Infection and Immunity, 2015, 83, 364-371.	1.0	7
62	Essential Oils and Hydrolates: Potential Tools for Defense against Bacterial Plant Pathogens. Microorganisms, 2022, 10, 702.	1.6	7
63	Molecular profile of a human monoclonal antibody fab fragment specific for Epstein-Barr virus gp350/220 antigen. Human Immunology, 2001, 62, 362-367.	1.2	6
64	Targeting DDX3X Helicase Activity with BA103 Shows Promising Therapeutic Effects in Preclinical Glioblastoma Models. Cancers, 2021, 13, 5569.	1.7	6
65	Impact of the Trophic Effects of the Secretome From a Multistrain Probiotic Preparation on the Intestinal Epithelia. Inflammatory Bowel Diseases, 2021, 27, 902-913.	0.9	5
66	Anti-Mold Effectiveness of a Green Emulsion Based on Citrus aurantium Hydrolate and Cinnamomum zeylanicum Essential Oil for the Modern Paintings Restoration. Microorganisms, 2022, 10, 205.	1.6	5
67	Focused library of phenyl-fused macrocyclic amidinoureas as antifungal agents. Molecular Diversity, 2022, , 1.	2.1	5
68	Biocompatible antimicrobial colistin loaded calcium phosphate nanoparticles for the counteraction of biofilm formation in cystic fibrosis related infections. Journal of Inorganic Biochemistry, 2022, 230, 111751.	1.5	5
69	Effective use of nitrocellulose-blotted antigens for phage display monoclonal antibody selection. New Microbiologica, 2011, 34, 281-6.	0.1	5
70	Ball milled glyco-graphene oxide conjugates markedly disrupted Pseudomonas aeruginosa biofilms. Nanoscale, 2022, 14, 10190-10199.	2.8	5
71	Phytocomplex Influences Antimicrobial and Health Properties of Concentrated Glycerine Macerates. Antibiotics, 2020, 9, 858.	1.5	4
72	Is aromatherapy effective in obstetrics? A systematic review and metaâ€anâ€alysis. Phytotherapy Research, 2021, 35, 2477-2486.	2.8	4

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73	Human antibodies from phage display libraries: expression of recombinant full length immunoglobulin G specific to the hepatitis C virus E2 glycoprotein. New Microbiologica, 2009, 32, 341-9.	0.1	4
74	A novel expression vector for production of epitope-tagged recombinant Fab fragments in bacteria. Human Antibodies, 2001, 10, 149-154.	0.6	3
75	Antibacterial Properties of Curcumin Loaded Graphene Oxide Flakes. Biophysical Journal, 2018, 114, 362a.	0.2	3
76	Disentangling the Possible Drivers of Indri indri Microbiome: A Threatened Lemur Species of Madagascar. Frontiers in Microbiology, 2021, 12, 668274.	1.5	3
77	Il Silenzio: The First Renaissance Oil Painting on Canvas from the Uffizi Museum Restored with a Safe, Green Antimicrobial Emulsion Based on Citrus aurantium var. amara Hydrolate and Cinnamomum zeylanicum Essential Oil. Journal of Fungi (Basel, Switzerland), 2022, 8, 140.	1.5	3
78	Probing the natural antibody repertoire by combinatorial cloning of IgM and IgD isotypes in phage display vectors. Research in Virology, 1998, 149, 321-325.	0.7	2
79	A protein chimera selfâ€assembling unit for drug delivery. Biotechnology Progress, 2019, 35, e2769.	1.3	1
80	Re-evaluating positive serum samples for SARS-CoV-2-specific IgA and IgG antibodies using an in-house serological assay. Clinical Microbiology and Infection, 2021, 27, 808-810.	2.8	1
81	Towards a â€œGreenâ€•Antimicrobial Therapy: Study of Graphene Nanosheets Interaction with Human Pathogens. Biophysical Journal, 2016, 110, 530a.	0.2	0
82	Nonlinear optics, optomechanics, and antibacterial coating by graphene oxide. , 2017, , .		0
83	Graphene-Oxide Gel as Biomimetic Antimicrobial Cloak. Biophysical Journal, 2017, 112, 589a.	0.2	0
84	Modulation of Graphene Oxide Probiotic and Antibiotic Activity by Critical Coagulation Concentration. Biophysical Journal, 2017, 112, 156a-157a.	0.2	0
85	Graphene Oxide Laser Printing for Controlled STEM Cells Differentiation and Antibacterial Effects. Biophysical Journal, 2018, 114, 362a-363a.	0.2	0
86	Optical supercavitation in graphene-oxide hydrogel for antimicrobial cloaks. , 2017, , .		0