

Giuseppe Celenza

List of Publications by Year in descending order

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68
papers

1,544
citations

304743

22
h-index

345221

36
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68
all docs

68
docs citations

68
times ranked

2043
citing authors

#	ARTICLE	IF	CITATIONS
1	Spread of blaCTX-M-type and blaPER-2 β -lactamase genes in clinical isolates from Bolivian hospitals. <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 57, 975-978.	3.0	118
2	Cytotoxic Activity and Antioxidant Capacity of Purified Lichen Metabolites: An <i>In Vitro</i> Study. <i>Phytotherapy Research</i> , 2013, 27, 431-437.	5.8	116
3	Cerium oxide nanoparticles as potential antibiotic adjuvant. Effects of CeO ₂ nanoparticles on bacterial outer membrane permeability. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 2428-2435.	2.6	76
4	In vitro interaction of usnic acid in combination with antimicrobial agents against methicillin-resistant <i>Staphylococcus aureus</i> clinical isolates determined by FICI and β E model methods. <i>Phytomedicine</i> , 2012, 19, 341-347.	5.3	73
5	Mitophagy: Molecular Mechanisms, New Concepts on Parkin Activation and the Emerging Role of AMPK/ULK1 Axis. <i>Cells</i> , 2022, 11, 30.	4.1	72
6	Identification of blaIMP-22 in <i>Pseudomonas</i> spp. in urban wastewater and nosocomial environments: biochemical characterization of a new IMP metallo-enzyme variant and its genetic location. <i>Journal of Antimicrobial Chemotherapy</i> , 2009, 63, 901-908.	3.0	55
7	New and simplified method for drug combination studies by checkerboard assay. <i>MethodsX</i> , 2021, 8, 101543.	1.6	54
8	Metabolism of a Highly Selective Gelatinase Inhibitor Generates Active Metabolite. <i>Chemical Biology and Drug Design</i> , 2007, 70, 371-382.	3.2	40
9	Iron-dependent erythropoiesis in women with excessive menstrual blood losses and women with normal menses. <i>Annals of Hematology</i> , 2014, 93, 557-563.	1.8	38
10	Structure-Based Virtual Screening for the Discovery of Novel Inhibitors of New Delhi Metallo- β -lactamase-1. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 45-50.	2.8	38
11	Curcumin inhibits the SOS response induced by levofloxacin in <i>Escherichia coli</i> . <i>Phytomedicine</i> , 2014, 21, 430-434.	5.3	37
12	SOS response in bacteria: Inhibitory activity of lichen secondary metabolites against <i>Escherichia coli</i> RecA protein. <i>Phytomedicine</i> , 2017, 29, 11-18.	5.3	34
13	A Potent Gelatinase Inhibitor with Anti-Tumor Invasive Activity and its Metabolic Disposition. <i>Chemical Biology and Drug Design</i> , 2009, 73, 189-202.	3.2	33
14	Chromosomal bla CTX-M-15 associated with ISEcp1 in <i>Proteus mirabilis</i> and <i>Morganella morganii</i> isolated at the Military Hospital of Tunis, Tunisia. <i>Journal of Medical Microbiology</i> , 2012, 61, 1286-1289.	1.8	33
15	In vitro antimicrobial activity of pannarin alone and in combination with antibiotics against methicillin-resistant <i>Staphylococcus aureus</i> clinical isolates. <i>Phytomedicine</i> , 2012, 19, 596-602.	5.3	33
16	Interaction between lichen secondary metabolites and antibiotics against clinical isolates methicillin-resistant <i>Staphylococcus aureus</i> strains. <i>Phytomedicine</i> , 2015, 22, 223-230.	5.3	33
17	The central role of the SOS DNA repair system in antibiotics resistance: A new target for a new infectious treatment strategy. <i>Life Sciences</i> , 2020, 262, 118562.	4.3	31
18	X-ray Crystallography Deciphers the Activity of Broad-Spectrum Boronic Acid β -Lactamase Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 650-655.	2.8	30

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19	Polar constituents, protection against reactive oxygen species, and nutritional value of Chinese artichoke (<i>Stachys affinis</i> Bunge). <i>Food Chemistry</i> , 2017, 221, 473-481.	8.2	29
20	Natural D240G Toho-1 mutant conferring resistance to ceftazidime: biochemical characterization of CTX-M-43. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 62, 991-997.	3.0	25
21	Tebuconazole and Econazole Act Synergistically in Mediating Mitochondrial Stress, Energy Imbalance, and Sequential Activation of Autophagy and Apoptosis in Mouse Sertoli TM4 Cells: Possible Role of AMPK/ULK1 Axis. <i>Toxicological Sciences</i> , 2019, 169, 209-223.	3.1	25
22	Phenylboronic Acid Derivatives as Validated Leads Active in Clinical Strains Overexpressing KPC β : A Step against Bacterial Resistance. <i>ChemMedChem</i> , 2018, 13, 713-724.	3.2	24
23	Metabolism of (4-Phenoxyphenylsulfonyl)methylthiirane, a Selective Gelatinase Inhibitor. <i>Chemical Biology and Drug Design</i> , 2008, 71, 187-196.	3.2	23
24	Occurrence of Class 1 and 2 Integrons in Resistant Enterobacteriaceae Collected from a Urban Wastewater Treatment Plant: First Report from Central Italy. <i>Microbial Drug Resistance</i> , 2011, 17, 229-234.	2.0	23
25	Carbapenem-resistant <i>Klebsiella pneumoniae</i> harbouring blaKPC-3 and blaVIM-2 from central Italy. <i>Diagnostic Microbiology and Infectious Disease</i> , 2013, 75, 218-221.	1.8	22
26	Kinetic Study of Laboratory Mutants of NDM-1 Metallo- β -Lactamase and the Importance of an Isoleucine at Position 35. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 2366-2372.	3.2	21
27	Antibacterial activity of selected metabolites from Chilean lichen species against methicillin-resistant staphylococci. <i>Natural Product Research</i> , 2013, 27, 1528-1531.	1.8	20
28	Emergence of blaKPC-3-Tn4401a in <i>Klebsiella pneumoniae</i> ST512 in the municipal wastewater treatment plant and in the university hospital of a town in central Italy. <i>Journal of Global Antimicrobial Resistance</i> , 2013, 1, 217-220.	2.2	20
29	Curcuminoids-loaded liposomes: influence of lipid composition on their physicochemical properties and efficacy as delivery systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 597, 124759.	4.7	19
30	Protolichesterinic acid enhances doxorubicin-induced apoptosis in HeLa cells in vitro. <i>Life Sciences</i> , 2016, 158, 89-97.	4.3	18
31	Antimycotic Activity of Ozonized Oil in Liposome Eye Drops against <i>Candida</i> spp.. <i>Translational Vision Science and Technology</i> , 2020, 9, 4.	2.2	18
32	Identification and Characterization of a New Metallo- β -Lactamase, IND-5, from a Clinical Isolate of <i>Chryseobacterium indologenes</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 2988-2990.	3.2	17
33	BlaB-15, a new BlaB metallo- β -lactamase variant found in an <i>Elizabethkingia miricola</i> clinical isolate. <i>Diagnostic Microbiology and Infectious Disease</i> , 2016, 85, 195-197.	1.8	17
34	Evidence for qnrB1 and aac(6)-Ib-cr in CTX-M-15-producing uropathogenic Enterobacteriaceae in an Italian teaching hospital. <i>Diagnostic Microbiology and Infectious Disease</i> , 2009, 64, 90-93.	1.8	16
35	Inhibition of the transcriptional repressor LexA: Withstanding drug resistance by inhibiting the bacterial mechanisms of adaptation to antimicrobials. <i>Life Sciences</i> , 2020, 241, 117116.	4.3	16
36	The atypical antipsychotic clozapine selectively inhibits interleukin 8 (IL-8)-induced neutrophil chemotaxis. <i>European Neuropsychopharmacology</i> , 2015, 25, 413-424.	0.7	15

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37	Occurrence of Extended Spectrum β -Lactamases Among Isolates of Enterobacteriaceae from Urinary Tract Infections in Southern Italy. <i>Microbial Drug Resistance</i> , 2006, 12, 257-264.	2.0	14
38	E240V Substitution Increases Catalytic Efficiency toward Ceftazidime in a New Natural TEM-Type Extended-Spectrum β -Lactamase, TEM-149, from <i>Enterobacter aerogenes</i> and <i>Serratia marcescens</i> Clinical Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 915-919.	3.2	14
39	OXA-23 Carbapenemase in Multidrug-Resistant <i>Acinetobacter baumannii</i> ST2 Type: First Identification in L'Aquila Hospital (Italy). <i>Microbial Drug Resistance</i> , 2015, 21, 97-101.	2.0	14
40	<i>Thymus lanceolatus</i> ethanolic extract protects human cells from t-BHP induced oxidative damage. <i>Food and Function</i> , 2018, 9, 3665-3672.	4.6	13
41	4-Amino-1,2,4-triazole-3-thione as a Promising Scaffold for the Inhibition of Serine and Metallo- β -Lactamases. <i>Pharmaceuticals</i> , 2020, 13, 52.	3.8	13
42	Persistence of TEM-52/TEM-92 and SHV-12 Extended-Spectrum β -Lactamases in Clinical Isolates of Enterobacteriaceae in Italy. <i>Microbial Drug Resistance</i> , 2011, 17, 521-524.	2.0	12
43	Identification of New Natural CphA Metallo- β -Lactamases CphA4 and CphA5 in <i>Aeromonas veronii</i> and <i>Aeromonas hydrophila</i> Isolates from Municipal Sewage in Central Italy. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 4990-4993.	3.2	12
44	Kinetic Studies on CphA Mutants Reveal the Role of the P158-P172 Loop in Activity versus Carbapenems. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3123-3126.	3.2	11
45	Kinetic Profile and Molecular Dynamic Studies Show that Y229W Substitution in an NDM-1/L209F Variant Restores the Hydrolytic Activity of the Enzyme toward Penicillins, Cephalosporins, and Carbapenems. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	11
46	Multi-Target Effects of β -Caryophyllene and Carnosic Acid at the Crossroads of Mitochondrial Dysfunction and Neurodegeneration: From Oxidative Stress to Microglia-Mediated Neuroinflammation. <i>Antioxidants</i> , 2022, 11, 1199.	5.1	11
47	Synergistic Activity of Ketoconazole and Miconazole with Prochloraz in Inducing Oxidative Stress, GSH Depletion, Mitochondrial Dysfunction, and Apoptosis in Mouse Sertoli TM4 Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5429.	4.1	10
48	In silico identification and experimental validation of hits active against KPC-2 β -lactamase. <i>PLoS ONE</i> , 2018, 13, e0203241.	2.5	9
49	Phenylboronic Acids Probing Molecular Recognition against Class A and Class C β -Lactamases. <i>Antibiotics</i> , 2019, 8, 171.	3.7	9
50	First virtual screening and experimental validation of inhibitors targeting GES-5 carbapenemase. <i>Journal of Computer-Aided Molecular Design</i> , 2019, 33, 295-305.	2.9	9
51	<i>Lactobacillus sakei</i> Pro-Bio65 Reduces TNF- α Expression and Upregulates GSH Content and Antioxidant Enzymatic Activities in Human Conjunctival Cells. <i>Translational Vision Science and Technology</i> , 2021, 10, 8.	2.2	9
52	Biochemical analysis of TEM-134, a new TEM-type extended-spectrum β -lactamase variant produced in a <i>Citrobacter koseri</i> clinical isolate from an Italian hospital. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 60, 877-880.	3.0	8
53	Correlation of Physicochemical and Antimicrobial Properties of Liposomes Loaded with (+)- β -Alanine. <i>ChemPlusChem</i> , 2020, 85, 1014-1021.	2.8	8
54	Cyclic and Acyclic Amine Oxide Alkyl Derivatives as Potential Adjuvants in Antimicrobial Chemotherapy against Methicillin-Resistant <i>Staphylococcus aureus</i> with an MDR Profile. <i>Antibiotics</i> , 2021, 10, 952.	3.7	8

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55	First Report from Italy of blaVIM-1 and blaTEM-1 Genes in Pseudomonas putida and Acinetobacter baumannii isolated from Wastewater. <i>Journal of Chemotherapy</i> , 2011, 23, 181-182.	1.5	7
56	Oxaprozin: A new hope in the modulation of matrix metalloproteinase 9 activity. <i>Chemical Biology and Drug Design</i> , 2019, 93, 811-817.	3.2	6
57	Quatsomes Formulated with α -Prolinol-Derived Surfactants as Antibacterial Nanocarriers of (+)-Usnic Acid with Antioxidant Activity. <i>ACS Applied Nano Materials</i> , 2022, 5, 6140-6148.	5.0	6
58	A Kinetic Study of the Replacement by Site Saturation Mutagenesis of Residue 119 in NDM-1 Metallo- β -Lactamase. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	4
59	Kinetic Study of the Effect of Histidines 240 and 164 on TEM-149 Enzyme Probed by β -Lactam Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 6294-6296.	3.2	3
60	Structurally Related Liposomes Containing α -N-oxide Surfactants: Physicochemical Properties and Evaluation of Antimicrobial Activity in Combination with Therapeutically Available Antibiotics. <i>Molecular Pharmaceutics</i> , 2022, 19, 788-797.	4.6	3
61	Protocetraric and Salazinic Acids as Potential Inhibitors of SARS-CoV-2 3CL Protease: Biochemical, Cytotoxic, and Computational Characterization of Depsidones as Slow-Binding Inactivators. <i>Pharmaceutics</i> , 2022, 15, 714.	3.8	2
62	A Two Amino Acid Duplication, L167E168, in the α -Loop Drastically Decreases Carbapenemase Activity of KPC-53, a Natural Class A β -Lactamase. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, .	3.2	2
63	R164H and V240H Replacements by Site-Directed Mutagenesis of TEM-149 Extended-Spectrum β -Lactamase: Kinetic Analysis of TEM-149 ^{H240} and TEM-149 ^{H164-H240} Laboratory Mutants. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 1047-1049.	3.2	1
64	Interaction of carbapenems and β -lactamase inhibitors towards CTX-M-15 and CTX-M-15 G238C mutant. <i>Journal of Global Antimicrobial Resistance</i> , 2017, 10, 95-100.	2.2	1
65	Targeting the Class A Carbapenemase GES-5 via Virtual Screening. <i>Biomolecules</i> , 2020, 10, 304.	4.0	1
66	Transient disappearance of CD19 ⁺ /CD5 ⁺ B α lymphocyte clone in peripheral blood in a patient with CLL during SARS-CoV-2 related mild disease. <i>Clinical Case Reports (discontinued)</i> , 2021, 9, e04238.	0.5	1
67	An in vitro investigation of levofloxacin and ciprofloxacin against clinical isolates of Pseudomonas aeruginosa. <i>International Journal of Antimicrobial Agents</i> , 2007, 30, 374-376.	2.5	0
68	Metabolism of (4-Phenoxyphenylsulfonyl)methylthiirane, a Selective Gelatinase Inhibitor. <i>Chemical Biology and Drug Design</i> , 2008, .	3.2	0