Jean-Michel Bolla

List of Publications by Year
in descending order

81 papers	2,957 citations	212478 28 h-index	198040 52 g-index
84 all docs	84 docs citations	84 times ranked	3830 citing authors

#	Article	IF	Citations
1	Nanoarchitectonics of Electrically Activable Phosphonium Self-Assembled Monolayers to Efficiently Kill and Tackle Bacterial Infections on Demand. International Journal of Molecular Sciences, 2022, 23, 2183.	1.8	1
2	The polyamino-isoprenyl potentiator NV716 revives disused antibiotics against Gram-negative bacteria in broth, infected monocytes, or biofilms, by disturbing the barrier effect of their outer membrane. European Journal of Medicinal Chemistry, 2022, 238, 114496.	2.6	5
3	The Polyaminoisoprenyl Potentiator NV716 Revives Old Disused Antibiotics against Intracellular Forms of Infection by Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2021, 65, .	1.4	9
4	Tolerance engineering in Deinococcus geothermalis by heterologous efflux pumps. Scientific Reports, 2021, 11, 4280.	1.6	1
5	Molecular Insights into an Antibiotic Enhancer Action of New Morpholine-Containing 5-Arylideneimidazolones in the Fight against MDR Bacteria. International Journal of Molecular Sciences, 2021, 22, 2062.	1.8	7
6	Antibiotic Adjuvants to Rescue Pseudomonas aeruginosa from Tetracycline Antibiotics Resistance. Anti-Infective Agents, 2021, 19, 110-116.	0.1	2
7	Phosphonium-ammonium-based di-cationic ionic liquids as antibacterial over the ESKAPE group. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127389.	1.0	15
8	Antibacterial Mode of Action of the Daucus carota Essential Oil Active Compounds against Campylobacter jejuni and Efflux-Mediated Drug Resistance in Gram-Negative Bacteria. Molecules, 2020, 25, 5448.	1.7	10
9	New Polyaminoisoprenyl Antibiotics Enhancers against Two Multidrug-Resistant Gram-Negative Bacteria from Enterobacter and Salmonella Species. Journal of Medicinal Chemistry, 2020, 63, 10496-10508.	2.9	14
10	Efficiency of a Tetracycline-Adjuvant Combination Against Multidrug Resistant Pseudomonas aeruginosa Tunisian Clinical Isolates. Antibiotics, 2020, 9, 919.	1.5	4
11	The Research of New Inhibitors of Bacterial Methionine Aminopeptidase by Structure Based Virtual Screening Approach of ZINC DATABASE and In Vitro Validation. Current Computer-Aided Drug Design, 2020, 16, 389-401.	0.8	4
12	Les pompes d'efflux, mÃ©canisme de rÃ©sistance bactÃ©rien. Revue Francophone Des Laboratoires, 2020, 2020, 38-49.	0.0	0
13	Polyamino-Isoprenyl Derivatives as Antibiotic Adjuvants and Motility Inhibitors for Bordetella bronchiseptica Porcine Pulmonary Infection Treatment. Frontiers in Microbiology, 2019, 10, 1771.	1.5	15
14	Claramines: A New Class Of Broadâ€Spectrum Antimicrobial Agents With Bimodal Activity. ChemMedChem, 2018, 13, 1018-1027.	1.6	23
15	Antibacterial activities of mono-, di- and tri-substituted triphenylamine-based phosphonium ionic liquids. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 926-929.	1.0	28
16	Porin self-association enables cell-to-cell contact in <i>Providencia stuartii</i> floating communities. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2220-E2228.	3.3	11
17	Odilorhabdins, Antibacterial Agents that Cause Miscoding by Binding at a New Ribosomal Site. Molecular Cell, 2018, 70, 83-94.e7.	4.5	96
18	Multiparametric Profiling for Identification of Chemosensitizers against Gram-Negative Bacteria. Frontiers in Microbiology, 2018, 9, 204.	1.5	8

#	ARTICLE	IF	CITATIONS
19	Motuporamine Derivatives as Antimicrobial Agents and Antibiotic Enhancers against Resistant Gramâ€Negative Bacteria. ChemBioChem, 2017, 18, 276-283.	1.3	21
20	Peptide translocation across MOMP, the major outer membrane channel from Campylobacter jejuni. Biochemistry and Biophysics Reports, 2017, 11, 79-83.	0.7	4
21	Relationships Between Resistance and Virulence in Burkholderia pseudomallei. Current Tropical Medicine Reports, 2017, 4, 127-135.	1.6	0
22	Providencia stuartii form biofilms and floating communities of cells that display high resistance to environmental insults. PLoS ONE, 2017, 12, e0174213.	1.1	18
23	Efflux Pump Blockers in Gram-Negative Bacteria: The New Generation of Hydantoin Based-Modulators to Improve Antibiotic Activity. Frontiers in Microbiology, 2016, 7, 622.	1.5	17
24	Polyamino-Isoprenic Derivatives Block Intrinsic Resistance of P. aeruginosa to Doxycycline and Chloramphenicol In Vitro. PLoS ONE, 2016, 11, e0154490.	1.1	30
25	Antibacterial activities of fluorescent nano assembled triphenylamine phosphonium ionic liquids. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3770-3773.	1.0	24
26	Cloning, Expression, Purification, Regulation, and Subcellular Localization of a Mini-protein from Campylobacter jejuni. Current Microbiology, 2016, 72, 511-517.	1.0	2
27	MOMP from Campylobacter jejuni Is a Trimer of 18-Stranded Î²-Barrel Monomers with a Ca 2+ Ion Bound at the Constriction Zone. Journal of Molecular Biology, 2016, 428, 4528-4543.	2.0	36
28	A unique peptide deformylase platform to rationally design and challenge novel active compounds. Scientific Reports, 2016, 6, 35429.	1.6	28
29	Enhancing antibiotic activity to combat resistant Gram-negative bacteria: what's next?. Future Medicinal Chemistry, 2014, 6, 1849-1851.	1.1	1
30	First evidence of antibacterial and synergistic effects of Thymus riatarum essential oil with conventional antibiotics. Industrial Crops and Products, 2014, 61, 370-376.	2.5	29
31	New Ianthelliformisamine Derivatives as Antibiotic Enhancers against Resistant Gram-Negative Bacteria. Journal of Medicinal Chemistry, 2014, 57, 4263-4272.	2.9	47
32	Phytochemical composition of Corsican Teucrium essential oils and antibacterial activity against foodborne or toxi-infectious pathogens. Food Control, 2013, 30, 354-363.	2.8	61
33	Polyamino geranic derivatives as new chemosensitizers to combat antibiotic resistant Gram-negative bacteria. Bioorganic and Medicinal Chemistry, 2013, 21, 1174-1179.	1.4	34
34	Inhibitors of Antibiotic Efflux by AcrAB-TolC in Enterobacter aerogenes. Anti-Infective Agents, 2013, 11, 168-178.	0.1	12
35	Enhanced Adhesion of Campylobacter jejuni to Abiotic Surfaces Is Mediated by Membrane Proteins in Oxygen-Enriched Conditions. PLoS ONE, 2012, 7, e46402.	1.1	60
36	<i>Thymus maroccanus</i>essential oil, a membranotropic compound active on Gram-negative bacteria and resistant isolates. Journal of Applied Microbiology, 2012, 113, 1120-1129.	1.4	16

#	Article	IF	Citations
37	Antibiotic Uptake through Membrane Channels: Role of <i>Providencia stuartii</i> OmpPst1 Porin in Carbapenem Resistance. Biochemistry, 2012, 51, 10244-10249.	1.2	30
38	Antibacterial activity of some natural products against bacteria expressing a multidrug-resistant phenotype. International Journal of Antimicrobial Agents, 2011, 37, 156-161.	1.1	134
39	Strategies for bypassing the membrane barrier in multidrug resistant Gramâ€negative bacteria. FEBS Letters, 2011, 585, 1682-1690.	1.3	192
40	Efflux Pumps Are Involved in the Defense of Gram-Negative Bacteria against the Natural Products Isobavachalcone and Diospyrone. Antimicrobial Agents and Chemotherapy, 2010, 54, 1749-1752.	1.4	95
41	Efflux Pumps of Gram-Negative Bacteria, a New Target for New Molecules. Current Topics in Medicinal Chemistry, 2010, 10, 1848-1857.	1.0	35
42	Efflux Pumps of Gram-Negative Bacteria, a New Target for New Molecules. Current Topics in Medicinal Chemistry, 2010, 999, 1-10.	1.0	0
43	pH Modulation of Efflux Pump Activity of Multi-Drug Resistant Escherichia coli: Protection During Its Passage and Eventual Colonization of the Colon. PLoS ONE, 2009, 4, e6656.	1.1	53
44	Geraniol Restores Antibiotic Activities against Multidrug-Resistant Isolates from Gram-Negative Species. Antimicrobial Agents and Chemotherapy, 2009, 53, 2209-2211.	1.4	207
45	Long-Term Survival of <i>Campylobacter jejuni</i> at Low Temperatures Is Dependent on Polynucleotide Phosphorylase Activity. Applied and Environmental Microbiology, 2009, 75, 7310-7318.	1.4	44
46	How Î²-Lactam Antibiotics Enter Bacteria: A Dialogue with the Porins. PLoS ONE, 2009, 4, e5453.	1.1	83
47	Les infections Ã¡ Campylobacter. Revue Francophone Des Laboratoires, 2008, 2008, 27-35.	0.0	1
48	The omp50 gene is transcriptionally controlled by a temperature-dependent mechanism conserved among thermophilic Campylobacter species. Research in Microbiology, 2008, 159, 270-278.	1.0	6
49	Membrane Permeability and Regulation of Drug “Influx and Efflux” in Enterobacterial Pathogens. Current Drug Targets, 2008, 9, 750-759.	1.0	157
50	Antibiotic-resistant Campylobacter: could efflux pump inhibitors control infection?. Journal of Antimicrobial Chemotherapy, 2007, 59, 1230-1236.	1.3	31
51	Antibacterial Action of Essential Oils from Corsica. Journal of Essential Oil Research, 2007, 19, 176-182.	1.3	90
52	Chromosomal His-tagging: An alternative approach to membrane protein purification. Proteomics, 2007, 7, 399-402.	1.3	3
53	(<i>E</i>)-Methylisoeugenol and Elemicin:â€‰ Antibacterial Components of <i>Daucus carota</i> L. Essential Oil against <i>Campylobacter jejuni</i>. Journal of Agricultural and Food Chemistry, 2007, 55, 7332-7336.	2.4	120
54	Expression and purification of native and truncated forms of CadF, an outer membrane protein of Campylobacter. International Journal of Biological Macromolecules, 2006, 39, 135-140.	3.6	15

#	ARTICLE	IF	CITATIONS
55	Mechanisms of fluoroquinolone and macrolide resistance in Campylobacter spp.. Microbes and Infection, 2006, 8, 1967-1971.	1.0	176
56	Prevalence of efflux activity in low-level macrolide-resistant Campylobacter species. Journal of Antimicrobial Chemotherapy, 2006, 59, 327-328.	1.3	8
57	Molecular basis of macrolide resistance in Campylobacter: role of efflux pumps and target mutations. Journal of Antimicrobial Chemotherapy, 2005, 56, 491-497.	1.3	68
58	Crystallization and preliminary crystallographic studies of MOMP (major outer membrane protein) fromCampylobacter jejuni. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 2349-2351.	2.5	6
59	Use of the omp50 Gene for Identification of Campylobacter Species by PCR. Journal of Clinical Microbiology, 2004, 42, 2301-2305.	1.8	19
60	Functional refolding of the Campylobacter jejuni MOMP (major outer membrane protein) porin by GroEL from the same species. Biochemical Journal, 2004, 378, 851-856.	1.7	16
61	A phenylalanineâ€"arginine Î²-naphthylamide sensitive multidrug efflux pump involved in intrinsic and acquired resistance of Campylobacter to macrolides. International Journal of Antimicrobial Agents, 2003, 22, 237-241.	1.1	60
62	Purification of Omp50, a Minor Porin of Campylobacter jejuni. , 2003, 228, 131-138.		5
63	Environmental Regulation of Campylobacter jejuni Major Outer Membrane Protein Porin Expression in Escherichia coli Monitored by Using Green Fluorescent Protein. Applied and Environmental Microbiology, 2002, 68, 4209-4215.	1.4	29
64	From sequence to structure to function: a case study. Enzyme and Microbial Technology, 2002, 30, 289-294.	1.6	4
65	MOMP, a Divergent Porin from Campylobacter: Cloning and Primary Structural Characterization. Biochemical and Biophysical Research Communications, 2001, 280, 380-387.	1.0	27
66	Purification, characterization and sequence analysis of Omp50,a new porin isolated from Campylobacter jejuni. Biochemical Journal, 2000, 352, 637.	1.7	12
67	MOMP (major outer membrane protein) ofCampylobacter jejuni; a versatile pore-forming protein. FEBS Letters, 2000, 469, 93-97.	1.3	53
68	Purification, characterization and sequence analysis of Omp50,a new porin isolated from Campylobacter jejuni. Biochemical Journal, 2000, 352, 637-643.	1.7	32
69	A putative adhesin gene cloned from Campylobacter jejuni. Research in Microbiology, 1998, 149, 723-733.	1.0	21
70	The Campylobacter jejuni Porin Trimers Pack into Different Lattice Types when Reconstituted in the Presence of Lipid. FEBS Journal, 1997, 244, 575-579.	0.2	19
71	Identification of a ClpC ATPase required for stress tolerance and in vivo survival of Listeria monocytogenes. Molecular Microbiology, 1996, 21, 977-987.	1.2	127
72	Crucial domains are conserved in Enterobacteriaceae porins. FEMS Microbiology Letters, 1996, 136, 91-97.	0.7	34

#	ARTICLE	IF	CITATIONS
73	An iron-dependent mutant ofListeria monocytogenesof attenuated virulence. FEMS Microbiology Letters, 1995, 133, 77-83.	0.7	17
74	Conformational analysis of the Campylobacter jejuni porin. Journal of Bacteriology, 1995, 177, 4266-4271.	1.0	63
75	Characterization of ompF domains involved in Escherichia coli K-12 sensitivity to colicins A and N. Journal of Bacteriology, 1990, 172, 3675-3680.	1.0	43
76	Immunological approach of assembly and topology of OmpF, an outer membrane protein of Escherichia coli. Biochimie, 1990, 72, 169-176.	1.3	13
77	A genetic engineering approach to study the mode of assembly of the OmpF porin in the envelop of E coli. Biochimie, 1990, 72, 385-395.	1.3	10
78	Assembly of the OmpF porin of Escherichia coli B. Immunological and kinetic studies of the integration pathway. FEBS Journal, 1988, 176, 655-660.	0.2	15
79	The assembly of the major outer membrane protein OmpF of Escherichia coli depends on lipid synthesis.. EMBO Journal, 1988, 7, 3595-3599.	3.5	56
80	Export and secretion of overproduced OmpA-Î²-lactamase inEscherichia coli. FEBS Letters, 1987, 224, 213-218.	1.3	13
81	Precise localization of an overproduced periplasmic protein in Escherichia coli: use of double immunoâ€gold labelling. Biology of the Cell, 1987, 61, 141-147.	0.7	17