

Jean-Michel Bolla

List of Publications by Year in descending order

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81
papers

2,957
citations

186265

28
h-index

175258

52
g-index

84
all docs

84
docs citations

84
times ranked

3501
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Geraniol Restores Antibiotic Activities against Multidrug-Resistant Isolates from Gram-Negative Species. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 2209-2211. | 3.2 | 207 |
| 2 | Strategies for bypassing the membrane barrier in multidrug resistant Gram-negative bacteria. <i>FEBS Letters</i> , 2011, 585, 1682-1690. | 2.8 | 192 |
| 3 | Mechanisms of fluoroquinolone and macrolide resistance in <i>Campylobacter</i> spp.. <i>Microbes and Infection</i> , 2006, 8, 1967-1971. | 1.9 | 176 |
| 4 | Membrane Permeability and Regulation of Drug Influx and Efflux in Enterobacterial Pathogens. <i>Current Drug Targets</i> , 2008, 9, 750-759. | 2.1 | 157 |
| 5 | Antibacterial activity of some natural products against bacteria expressing a multidrug-resistant phenotype. <i>International Journal of Antimicrobial Agents</i> , 2011, 37, 156-161. | 2.5 | 134 |
| 6 | Identification of a ClpC ATPase required for stress tolerance and in vivo survival of <i>Listeria monocytogenes</i> . <i>Molecular Microbiology</i> , 1996, 21, 977-987. | 2.5 | 127 |
| 7 | (E)-Methylisoeugenol and Elemicin: Antibacterial Components of <i>Daucus carota</i> L. Essential Oil against <i>Campylobacter jejuni</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 7332-7336. | 5.2 | 120 |
| 8 | Odilorhabdins, Antibacterial Agents that Cause Miscoding by Binding at a New Ribosomal Site. <i>Molecular Cell</i> , 2018, 70, 83-94.e7. | 9.7 | 96 |
| 9 | Efflux Pumps Are Involved in the Defense of Gram-Negative Bacteria against the Natural Products Isobavachalcone and Diospyrone. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 1749-1752. | 3.2 | 95 |
| 10 | Antibacterial Action of Essential Oils from Corsica. <i>Journal of Essential Oil Research</i> , 2007, 19, 176-182. | 2.7 | 90 |
| 11 | How β -Lactam Antibiotics Enter Bacteria: A Dialogue with the Porins. <i>PLoS ONE</i> , 2009, 4, e5453. | 2.5 | 83 |
| 12 | Molecular basis of macrolide resistance in <i>Campylobacter</i> : role of efflux pumps and target mutations. <i>Journal of Antimicrobial Chemotherapy</i> , 2005, 56, 491-497. | 3.0 | 68 |
| 13 | Conformational analysis of the <i>Campylobacter jejuni</i> porin. <i>Journal of Bacteriology</i> , 1995, 177, 4266-4271. | 2.2 | 63 |
| 14 | Phytochemical composition of Corsican <i>Teucrium</i> essential oils and antibacterial activity against foodborne or toxi-infectious pathogens. <i>Food Control</i> , 2013, 30, 354-363. | 5.5 | 61 |
| 15 | A phenylalanine-arginine β -naphthylamide sensitive multidrug efflux pump involved in intrinsic and acquired resistance of <i>Campylobacter</i> to macrolides. <i>International Journal of Antimicrobial Agents</i> , 2003, 22, 237-241. | 2.5 | 60 |
| 16 | Enhanced Adhesion of <i>Campylobacter jejuni</i> to Abiotic Surfaces Is Mediated by Membrane Proteins in Oxygen-Enriched Conditions. <i>PLoS ONE</i> , 2012, 7, e46402. | 2.5 | 60 |
| 17 | The assembly of the major outer membrane protein OmpF of <i>Escherichia coli</i> depends on lipid synthesis.. <i>EMBO Journal</i> , 1988, 7, 3595-3599. | 7.8 | 56 |
| 18 | MOMP (major outer membrane protein) of <i>Campylobacter jejuni</i> ; a versatile pore-forming protein. <i>FEBS Letters</i> , 2000, 469, 93-97. | 2.8 | 53 |

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|----|---|-----|-----------|
| 19 | pH Modulation of Efflux Pump Activity of Multi-Drug Resistant <i>Escherichia coli</i> : Protection During Its Passage and Eventual Colonization of the Colon. <i>PLoS ONE</i> , 2009, 4, e6656. | 2.5 | 53 |
| 20 | New lanthelliformisamine Derivatives as Antibiotic Enhancers against Resistant Gram-Negative Bacteria. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 4263-4272. | 6.4 | 47 |
| 21 | Long-Term Survival of <i>Campylobacter jejuni</i> at Low Temperatures Is Dependent on Polynucleotide Phosphorylase Activity. <i>Applied and Environmental Microbiology</i> , 2009, 75, 7310-7318. | 3.1 | 44 |
| 22 | Characterization of ompF domains involved in <i>Escherichia coli</i> K-12 sensitivity to colicins A and N. <i>Journal of Bacteriology</i> , 1990, 172, 3675-3680. | 2.2 | 43 |
| 23 | MOMP from <i>Campylobacter jejuni</i> Is a Trimer of 18-Stranded β^2 -Barrel Monomers with a Ca ²⁺ Ion Bound at the Constriction Zone. <i>Journal of Molecular Biology</i> , 2016, 428, 4528-4543. | 4.2 | 36 |
| 24 | Efflux Pumps of Gram-Negative Bacteria, a New Target for New Molecules. <i>Current Topics in Medicinal Chemistry</i> , 2010, 10, 1848-1857. | 2.1 | 35 |
| 25 | Crucial domains are conserved in Enterobacteriaceae porins. <i>FEMS Microbiology Letters</i> , 1996, 136, 91-97. | 1.8 | 34 |
| 26 | Polyamino geranic derivatives as new chemosensitizers to combat antibiotic resistant Gram-negative bacteria. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1174-1179. | 3.0 | 34 |
| 27 | Purification, characterization and sequence analysis of Omp50, a new porin isolated from <i>Campylobacter jejuni</i> . <i>Biochemical Journal</i> , 2000, 352, 637-643. | 3.7 | 32 |
| 28 | Antibiotic-resistant <i>Campylobacter</i> : could efflux pump inhibitors control infection?. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 59, 1230-1236. | 3.0 | 31 |
| 29 | Antibiotic Uptake through Membrane Channels: Role of <i>Providencia stuartii</i> OmpPst1 Porin in Carbapenem Resistance. <i>Biochemistry</i> , 2012, 51, 10244-10249. | 2.5 | 30 |
| 30 | Polyamino-Isoprenic Derivatives Block Intrinsic Resistance of <i>P. aeruginosa</i> to Doxycycline and Chloramphenicol In Vitro. <i>PLoS ONE</i> , 2016, 11, e0154490. | 2.5 | 30 |
| 31 | Environmental Regulation of <i>Campylobacter jejuni</i> Major Outer Membrane Protein Porin Expression in <i>Escherichia coli</i> Monitored by Using Green Fluorescent Protein. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4209-4215. | 3.1 | 29 |
| 32 | First evidence of antibacterial and synergistic effects of <i>Thymus riararum</i> essential oil with conventional antibiotics. <i>Industrial Crops and Products</i> , 2014, 61, 370-376. | 5.2 | 29 |
| 33 | A unique peptide deformylase platform to rationally design and challenge novel active compounds. <i>Scientific Reports</i> , 2016, 6, 35429. | 3.3 | 28 |
| 34 | Antibacterial activities of mono-, di- and tri-substituted triphenylamine-based phosphonium ionic liquids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 926-929. | 2.2 | 28 |
| 35 | MOMP, a Divergent Porin from <i>Campylobacter</i> : Cloning and Primary Structural Characterization. <i>Biochemical and Biophysical Research Communications</i> , 2001, 280, 380-387. | 2.1 | 27 |
| 36 | Antibacterial activities of fluorescent nano assembled triphenylamine phosphonium ionic liquids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3770-3773. | 2.2 | 24 |

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|----|--|-----|-----------|
| 37 | Claramines: A New Class Of Broad-Spectrum Antimicrobial Agents With Bimodal Activity. ChemMedChem, 2018, 13, 1018-1027. | 3.2 | 23 |
| 38 | A putative adhesin gene cloned from Campylobacter jejuni. Research in Microbiology, 1998, 149, 723-733. | 2.1 | 21 |
| 39 | Motuporamine Derivatives as Antimicrobial Agents and Antibiotic Enhancers against Resistant Gram-Negative Bacteria. ChemBioChem, 2017, 18, 276-283. | 2.6 | 21 |
| 40 | 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 |
| 41 | Use of the omp50 Gene for Identification of Campylobacter Species by PCR. Journal of Clinical Microbiology, 2004, 42, 2301-2305. | 3.9 | 19 |
| 42 | Providencia stuartii form biofilms and floating communities of cells that display high resistance to environmental insults. PLoS ONE, 2017, 12, e0174213. | 2.5 | 18 |
| 43 | An iron-dependent mutant of Listeria monocytogenes of attenuated virulence. FEMS Microbiology Letters, 1995, 133, 77-83. | 1.8 | 17 |
| 44 | Efflux Pump Blockers in Gram-Negative Bacteria: The New Generation of Hydantoin Based-Modulators to Improve Antibiotic Activity. Frontiers in Microbiology, 2016, 7, 622. | 3.5 | 17 |
| 45 | Precise localization of an overproduced periplasmic protein in Escherichia coli: use of double immuno-gold labelling. Biology of the Cell, 1987, 61, 141-147. | 2.0 | 17 |
| 46 | Functional refolding of the Campylobacter jejuni MOMP (major outer membrane protein) porin by GroEL from the same species. Biochemical Journal, 2004, 378, 851-856. | 3.7 | 16 |
| 47 | <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. | 3.1 | 16 |
| 48 | 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 |
| 49 | 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. | 7.5 | 15 |
| 50 | Polyamino-Isoprenyl Derivatives as Antibiotic Adjuvants and Motility Inhibitors for Bordetella bronchiseptica Porcine Pulmonary Infection Treatment. Frontiers in Microbiology, 2019, 10, 1771. | 3.5 | 15 |
| 51 | Phosphonium-ammonium-based di-cationic ionic liquids as antibacterial over the ESKAPE group. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127389. | 2.2 | 15 |
| 52 | New Polyaminoisoprenyl Antibiotics Enhancers against Two Multidrug-Resistant Gram-Negative Bacteria from Enterobacter and Salmonella Species. Journal of Medicinal Chemistry, 2020, 63, 10496-10508. | 6.4 | 14 |
| 53 | Export and secretion of overproduced OmpA- β -lactamase in Escherichia coli. FEBS Letters, 1987, 224, 213-218. | 2.8 | 13 |
| 54 | Immunological approach of assembly and topology of OmpF, an outer membrane protein of Escherichia coli. Biochimie, 1990, 72, 169-176. | 2.6 | 13 |

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| 55 | Purification, characterization and sequence analysis of Omp50, a new porin isolated from <i>Campylobacter jejuni</i> . <i>Biochemical Journal</i> , 2000, 352, 637. | 3.7 | 12 |
| 56 | Inhibitors of Antibiotic Efflux by AcrAB-TolC in <i>Enterobacter aerogenes</i> . <i>Anti-Infective Agents</i> , 2013, 11, 168-178. | 0.4 | 12 |
| 57 | Porin self-association enables cell-to-cell contact in <i>Providencia stuartii</i> floating communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2220-E2228. | 7.1 | 11 |
| 58 | A genetic engineering approach to study the mode of assembly of the OmpF porin in the envelope of <i>E. coli</i> . <i>Biochimie</i> , 1990, 72, 385-395. | 2.6 | 10 |
| 59 | Antibacterial Mode of Action of the <i>Daucus carota</i> Essential Oil Active Compounds against <i>Campylobacter jejuni</i> and Efflux-Mediated Drug Resistance in Gram-Negative Bacteria. <i>Molecules</i> , 2020, 25, 5448. | 3.8 | 10 |
| 60 | The Polyaminoisoprenyl Potentiator NV716 Revives Old Disused Antibiotics against Intracellular Forms of Infection by <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, . | 3.2 | 9 |
| 61 | Prevalence of efflux activity in low-level macrolide-resistant <i>Campylobacter</i> species. <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 59, 327-328. | 3.0 | 8 |
| 62 | Multiparametric Profiling for Identification of Chemosensitizers against Gram-Negative Bacteria. <i>Frontiers in Microbiology</i> , 2018, 9, 204. | 3.5 | 8 |
| 63 | Molecular Insights into an Antibiotic Enhancer Action of New Morpholine-Containing 5-Arylideneimidazolones in the Fight against MDR Bacteria. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2062. | 4.1 | 7 |
| 64 | Crystallization and preliminary crystallographic studies of MOMP (major outer membrane protein) from <i>Campylobacter jejuni</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 2349-2351. | 2.5 | 6 |
| 65 | The omp50 gene is transcriptionally controlled by a temperature-dependent mechanism conserved among thermophilic <i>Campylobacter</i> species. <i>Research in Microbiology</i> , 2008, 159, 270-278. | 2.1 | 6 |
| 66 | Purification of Omp50, a Minor Porin of <i>Campylobacter jejuni</i> . , 2003, 228, 131-138. | | 5 |
| 67 | 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. <i>European Journal of Medicinal Chemistry</i> , 2022, 238, 114496. | 5.5 | 5 |
| 68 | From sequence to structure to function: a case study. <i>Enzyme and Microbial Technology</i> , 2002, 30, 289-294. | 3.2 | 4 |
| 69 | Peptide translocation across MOMP, the major outer membrane channel from <i>Campylobacter jejuni</i> . <i>Biochemistry and Biophysics Reports</i> , 2017, 11, 79-83. | 1.3 | 4 |
| 70 | Efficiency of a Tetracycline-Adjuvant Combination Against Multidrug Resistant <i>Pseudomonas aeruginosa</i> Tunisian Clinical Isolates. <i>Antibiotics</i> , 2020, 9, 919. | 3.7 | 4 |
| 71 | The Research of New Inhibitors of Bacterial Methionine Aminopeptidase by Structure Based Virtual Screening Approach of ZINC DATABASE and In Vitro Validation. <i>Current Computer-Aided Drug Design</i> , 2020, 16, 389-401. | 1.2 | 4 |
| 72 | Chromosomal His-tagging: An alternative approach to membrane protein purification. <i>Proteomics</i> , 2007, 7, 399-402. | 2.2 | 3 |

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|----|--|-----|-----------|
| 73 | Cloning, Expression, Purification, Regulation, and Subcellular Localization of a Mini-protein from <i>Campylobacter jejuni</i> . <i>Current Microbiology</i> , 2016, 72, 511-517. | 2.2 | 2 |
| 74 | Antibiotic Adjuvants to Rescue <i>Pseudomonas aeruginosa</i> from Tetracycline Antibiotics Resistance. <i>Anti-Infective Agents</i> , 2021, 19, 110-116. | 0.4 | 2 |
| 75 | Les infections <i>Campylobacter</i> . <i>Revue Francophone Des Laboratoires</i> , 2008, 2008, 27-35. | 0.0 | 1 |
| 76 | Enhancing antibiotic activity to combat resistant Gram-negative bacteria: what's next?. <i>Future Medicinal Chemistry</i> , 2014, 6, 1849-1851. | 2.3 | 1 |
| 77 | Tolerance engineering in <i>Deinococcus geothermalis</i> by heterologous efflux pumps. <i>Scientific Reports</i> , 2021, 11, 4280. | 3.3 | 1 |
| 78 | Nanoarchitectonics of Electrically Activable Phosphonium Self-Assembled Monolayers to Efficiently Kill and Tackle Bacterial Infections on Demand. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2183. | 4.1 | 1 |
| 79 | Relationships Between Resistance and Virulence in <i>Burkholderia pseudomallei</i> . <i>Current Tropical Medicine Reports</i> , 2017, 4, 127-135. | 3.7 | 0 |
| 80 | Efflux Pumps of Gram-Negative Bacteria, a New Target for New Molecules. <i>Current Topics in Medicinal Chemistry</i> , 2010, 999, 1-10. | 2.1 | 0 |
| 81 | Les pompes d'efflux, mécanisme de résistance bactérien. <i>Revue Francophone Des Laboratoires</i> , 2020, 2020, 38-49. | 0.0 | 0 |