# Montserrat Llagostera

List of Publications by Year
in descending order

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|---|---|---|---|
| 84 papers | 2,991 citations | 172207 29 h-index | 174990 52 g-index |
| 89 all docs | 89 docs citations | 89 times ranked | 3715 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Isolation and Characterization of Potentially Pathogenic Antimicrobial-Resistant Escherichia coli Strains from Chicken and Pig Farms in Spain. Applied and Environmental Microbiology, 2010, 76, 2799-2805. | 1.4 | 207 |
| 2 | Extended-spectrum Â-lactamase-producing Enterobacteriaceae in different environments (humans,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 1.3 | 199 |
| 3 | Global phylogeography and ancient evolution of the widespread human gut virus crAssphage. Nature Microbiology, 2019, 4, 1727-1736. | 5.9 | 184 |
| 4 | Use of a bacteriophage cocktail to control Salmonella in food and the food industry. International Journal of Food Microbiology, 2013, 165, 169-174. | 2.1 | 159 |
| 5 | Liposome-Encapsulated Bacteriophages for Enhanced Oral Phage Therapy against Salmonella spp. Applied and Environmental Microbiology, 2015, 81, 4841-4849. | 1.4 | 149 |
| 6 | ESBL- and plasmidic class C Î²-lactamase-producing E. coli strains isolated from poultry, pig and rabbit farms. Veterinary Microbiology, 2006, 118, 299-304. | 0.8 | 133 |
| 7 | Induction of SOS genes in Escherichia coli and mutagenesis in Salmonella typhimurium by fluoroquinolones. Mutagenesis, 1990, 5, 63-66. | 1.0 | 128 |
| 8 | Molecular epidemiology of Escherichia coli producing extended-spectrum Î²-lactamases in Lugo (Spain): dissemination of clone O25b:H4-ST131 producing CTX-M-15. Journal of Antimicrobial Chemotherapy, 2009, 63, 1135-1141. | 1.3 | 122 |
| 9 | Microencapsulation with alginate/CaCO3: A strategy for improved phage therapy. Scientific Reports, 2017, 7, 41441. | 1.6 | 115 |
| 10 | Significance of the Bacteriophage Treatment Schedule in Reducing Salmonella Colonization of Poultry. Applied and Environmental Microbiology, 2012, 78, 6600-6607. | 1.4 | 106 |
| 11 | Multiresistance in Pasteurella multocida Is Mediated by Coexistence of Small Plasmids. Antimicrobial Agents and Chemotherapy, 2009, 53, 3399-3404. | 1.4 | 101 |
| 12 | Development and validation of alternative metabolic systems for mutagenicity testing in short-term assays. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1996, 353, 151-176. | 0.4 | 61 |
| 13 | Dissemination of extended-spectrum Â-lactamase-producing bacteria: the food-borne outbreak lesson. Journal of Antimicrobial Chemotherapy, 2008, 61, 1244-1251. | 1.3 | 59 |
| 14 | Single DNA molecule detection in an optical trap using surface-enhanced Raman scattering. Applied Physics Letters, 2010, 96, 213701. | 1.5 | 55 |
| 15 | The high-affinity zinc-uptake systemznuACBis under control of the iron-uptake regulator (fur) gene in the animal pathogenPasteurella multocida. FEMS Microbiology Letters, 2003, 221, 31-37. | 0.7 | 49 |
| 16 | Induction of SOS genes ofEscherichia coli by chromium compounds. Environmental Mutagenesis, 1986, 8, 571-577. | 1.4 | 48 |
| 17 | Genomics of Three New Bacteriophages Useful in the Biocontrol of Salmonella. Frontiers in Microbiology, 2016, 7, 545. | 1.5 | 48 |
| 18 | LexA-independent DNA damage-mediated induction of gene expression in Myxococcus xanthus. Molecular Microbiology, 2004, 49, 769-781. | 1.2 | 45 |

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|---|---|---|---|
| 19 | Phagomagnetic Separation and Electrochemical Magneto-Genosensing of Pathogenic Bacteria. Analytical Chemistry, 2013, 85, 3079-3086. | 3.2 | 45 |
| 20 | Phagomagnetic immunoassay for the rapid detection of Salmonella. Applied Microbiology and Biotechnology, 2014, 98, 1795-1805. | 1.7 | 45 |
| 21 | Biodistribution of Liposome-Encapsulated Bacteriophages and Their Transcytosis During Oral Phage Therapy. Frontiers in Microbiology, 2019, 10, 689. | 1.5 | 44 |
| 22 | Analysis of the Protective Capacity of ThreeStreptococcus suisProteins Induced under Divalent-Cation-Limited Conditions. Infection and Immunity, 2008, 76, 1590-1598. | 1.0 | 42 |
| 23 | Development of a genetic manipulation system for Haemophilus parasuis. Veterinary Microbiology, 2005, 105, 223-228. | 0.8 | 41 |
| 24 | Contribution of the FeoB transporter to Streptococcus suis virulence. International Microbiology, 2009, 12, 137-43. | 1.1 | 41 |
| 25 | Pasteurella multocida exbB,exbDandtonBgenes are physically linked but independently transcribed. FEMS Microbiology Letters, 2002, 210, 201-208. | 0.7 | 39 |
| 26 | The cation-uptake regulators AdcR and Fur are necessary for full virulence of Streptococcus suis. Veterinary Microbiology, 2010, 144, 246-249. | 0.8 | 39 |
| 27 | A new regulatory DNA motif of the gamma subclass Proteobacteria: identification of the LexA protein binding site of the plant pathogen Xylella fastidiosa. Microbiology (United Kingdom), 2002, 148, 3583-3597. | 0.7 | 35 |
| 28 | Characterization of the Pasteurella multocida hgbA Gene Encoding a Hemoglobin-Binding Protein. Infection and Immunity, 2002, 70, 5955-5964. | 1.0 | 34 |
| 29 | Pasteurella multocida contains multiple immunogenic haemin- and haemoglobin-binding proteins. Veterinary Microbiology, 2004, 99, 103-112. | 0.8 | 32 |
| 30 | Regulation of ubiG gene expression in Escherichia coli. Journal of Bacteriology, 1988, 170, 1346-1349. | 1.0 | 30 |
| 31 | B. thuringiensis is a Poor Colonist of Leaf Surfaces. Microbial Ecology, 2008, 55, 212-219. | 1.4 | 28 |
| 32 | Antimutagenic mechanisms of Phyllanthus orbicularis when hydrogen peroxide is tested using Salmonella assay. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2002, 517, 251-254. | 0.9 | 26 |
| 33 | Protective capacities of cell surface-associated proteins of Streptococcus suis mutants deficient in divalent cation-uptake regulators. Microbiology (United Kingdom), 2009, 155, 1580-1587. | 0.7 | 25 |
| 34 | The selection of resistance to and the mutagenicity of different fluoroquinolones in Staphylococcus aureus and Streptococcus pneumoniae. Clinical Microbiology and Infection, 2005, 11, 750-758. | 2.8 | 24 |
| 35 | Virulence of Pasteurella multocida recA mutants. Veterinary Microbiology, 2001, 80, 53-61. | 0.8 | 23 |
| 36 | Isolation and Sequencing of a Temperate Transducing Phage for Pasteurella multocida. Applied and Environmental Microbiology, 2006, 72, 3154-3160. | 1.4 | 23 |

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|---|---|---|---|
| 37 | The role of the excision and error-prone repair systems in mutagenesis by fluorinated quinolones in Salmonella typhimurium. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1992, 281, 207-213. | 1.2 | 21 |
| 38 | Tannins from barks of Pinus caribaea protect Escherichia coli cells against DNA damage induced by Î³-rays. FÃ¬toterapÃ¬Ã¢, 2006, 77, 116-120. | 1.1 | 19 |
| 39 | Exploration into the origins and mobilization of di-hydrofolate reductase genes and the emergence of clinical resistance to trimethoprim. Microbial Genomics, 2020, 6, . | 1.0 | 18 |
| 40 | Studies on the antimutagenesis of Phyllanthus orbicularis: mechanisms involved against aromatic amines. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2001, 498, 99-105. | 0.9 | 17 |
| 41 | Assessment of the potential genotoxic risk of Phyllantus orbicularis HBK aqueous extract using in vitro and in vivo assays. Toxicology Letters, 2002, 136, 87-96. | 0.4 | 15 |
| 42 | Usefulness of the SOS Chromotest in the study of medicinal plants as radioprotectors. International Journal of Radiation Biology, 2006, 82, 323-329. | 1.0 | 15 |
| 43 | Remarkable diversity of Salmonella bacteriophages in swine and poultry. FEMS Microbiology Letters, 2015, 362, 1-7. | 0.7 | 15 |
| 44 | Nano/Micro Formulations for Bacteriophage Delivery. Methods in Molecular Biology, 2018, 1693, 271-283. | 0.4 | 15 |
| 45 | Induction of ribonucleoside diphosphate reductase gene transcription by chemicals in Escherichia coli. Mutagenesis, 1992, 7, 47-50. | 1.0 | 14 |
| 46 | A plant metabolic activation system from Persea americana with cytochrome P450-dependent and peroxidase activities. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1995, 329, 11-18. | 0.4 | 14 |
| 47 | A Simple Technique Based on a Single Optical Trap for the Determination of Bacterial Swimming Pattern. PLoS ONE, 2013, 8, e61630. | 1.1 | 14 |
| 48 | New rhenium complexes with ciprofloxacin as useful models for understanding the properties of [99mTc]-ciprofloxacin radiopharmaceutical. Bioorganic and Medicinal Chemistry, 2014, 22, 3262-3269. | 1.4 | 14 |
| 49 | Immigration of Bacillus thuringiensis to bean leaves from soil inoculum or distal plant parts. Journal of Applied Microbiology, 2007, 103, 2593-2600. | 1.4 | 12 |
| 50 | Characterisation of plasmids encoding extended-spectrum Î²-lactamase and CMY-2 in Escherichia coli isolated from animal farms. International Journal of Antimicrobial Agents, 2008, 31, 76-78. | 1.1 | 12 |
| 51 | Influence of S9 mix in the induction of SOS system by quercetin. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1987, 191, 1-4. | 1.2 | 11 |
| 52 | Quinolone Resistance-Determining Regions of gyrA and parC in Pasteurella multocida Strains with Different Levels of Nalidixic Acid Resistance. Antimicrobial Agents and Chemotherapy, 2001, 45, 990-991. | 1.4 | 11 |
| 53 | Antibiotic protected silver nanoparticles for microbicidal cotton. Tetrahedron, 2019, 75, 102-108. | 1.0 | 11 |
| 54 | Construction and characterization of two lexA mutants of Salmonella typhimurium with different UV sensitivities and UV mutabilities. Journal of Bacteriology, 1996, 178, 2890-2896. | 1.0 | 10 |

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|---|---|---|---|
| 55 | fur-independent regulation of the Pasteurella multocida hbpA gene encoding a haemin-binding protein. Microbiology (United Kingdom), 2003, 149, 2273-2281. | 0.7 | 10 |
| 56 | Expression ofnrdAandnrdBgenes ofEscherichia coliis decreased under anaerobiosis. FEMS Microbiology Letters, 1991, 83, 153-157. | 0.7 | 9 |
| 57 | Analysis of the ciprofloxacin-induced mutations in Salmonella typhimurium. , 1996, 27, 110-115. | | 9 |
| 58 | Modulation of rat and human cytochromes P450 involved in PhIP and 4-ABP activation by an aqueous extract of Phyllanthus orbicularis. Journal of Ethnopharmacology, 2004, 90, 273-277. | 2.0 | 9 |
| 59 | Preclinical studies with new pyrrolidine platinum(II) compounds. European Journal of Medicinal Chemistry, 1995, 30, 497-501. | 2.6 | 8 |
| 60 | Identification of a pKM101 region which confers a slow growth rate and interferes with susceptibility to quinolone in Escherichia coli AB1157. Journal of Bacteriology, 1996, 178, 5568-5572. | 1.0 | 8 |
| 61 | Plant activation of aromatic amines mediated by cytochromes P450 and flavin-containing monooxygenases. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 470, 155-160. | 0.9 | 8 |
| 62 | Activation of 4-nitro-o-phenylenediamine by the S2 fraction of Zea mays to mutagenic product(s). Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1994, 312, 25-31. | 0.4 | 7 |
| 63 | Colonization capacity and serum bactericidal activity of Haemophilus parasuis thy mutants. International Microbiology, 2006, 9, 297-301. | 1.1 | 7 |
| 64 | Heterologous protective immunization elicited in mice by Pasteurella multocida fur ompH. International Microbiology, 2008, 11, 17-24. | 1.1 | 7 |
| 65 | Sulfide and phosphine ligands in carboplatin analogs. European Journal of Medicinal Chemistry, 1991, 26, 539-543. | 2.6 | 6 |
| 66 | Synthesis and activity studies in vitro and in vivo of a new series of malonato-platinum(II) complexes containing sulfide and phosphine ligands. European Journal of Medicinal Chemistry, 1992, 27, 611-614. | 2.6 | 6 |
| 67 | Activation of arylamines to mutagenic product(s) by two in vitro plant systems. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1997, 394, 45-51. | 0.9 | 6 |
| 68 | Inactivation of the gene encoding zinc-binding lipoprotein 103 impairs the infectivity of Streptococcus suis. Canadian Journal of Veterinary Research, 2012, 76, 72-6. | 0.2 | 6 |
| 69 | Amifostine protection against induced DNA damage in Î³â€irradiated Escherichia coli cells depend on recN DNA repair gene product activity. Environmental Toxicology, 2010, 25, 130-136. | 2.1 | 5 |
| 70 | Efficiency of MucAB and Escherichia coli UmuDC proteins in quinolone and UV mutagenesis in Salmonella typhimurium: effect of MucA and UmuD processing. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1996, 349, 201-208. | 0.4 | 4 |
| 71 | Radioprotective effect of sodium diethyldithiocarbamate (DDC) and S-2-aminoethyl-isothioronicadenosin-5-triphosphate (adeturon) in Î³-irradiated Escherichia coli cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1998, 422, 339-345. | 0.4 | 4 |
| 72 | Isolation of the replication region of an indigenous plasmid ofRhodobacter sphaeroides. FEMS Microbiology Letters, 1986, 37, 35-38. | 0.7 | 3 |

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|---|---|---|---|
| 73 | Isolation and characterization of a recombination defective-dependent bacteriophage ofRhodobacter sphaeroides. Current Microbiology, 1992, 24, 151-157. | 1.0 | 3 |
| 74 | Non-viability of Haemophilus parasuis fur-defective mutants. Veterinary Microbiology, 2006, 118, 107-116. | 0.8 | 3 |
| 75 | Regulation oflac operon in lactose-utilizing mutants ofRhodobacter capsulatus. Current Microbiology, 1988, 16, 185-189. | 1.0 | 2 |
| 76 | Role of the postreplication repair pathway in the repair of damaged DNA by cisplatin. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1990, 234, 428. | 0.4 | 2 |
| 77 | Expression of the SOS system in Escherichia coli growing under nitrate respiration conditions. Antonie Van Leeuwenhoek, 1986, 52, 63-74. | 0.7 | 1 |
| 78 | Genotoxicity of 4-quinolone antimicrobial agents. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1990, 234, 431. | 0.4 | 1 |
| 79 | Molecular analysis at thehisD3052allele ofS. typhimuriumof mutations induced by aromatic amines, activated by mixed-function oxidases from plants. Environmental and Molecular Mutagenesis, 2001, 38, 80-82. | 0.9 | 1 |
| 80 | Authorsâ€™ response: Recognition sequence for DNA uptake in Haemophilus parasuis. Veterinary Microbiology, 2014, 173, 397. | 0.8 | 1 |
| 81 | Significance of tagI and mfd genes in the virulence of non-typeable Haemophilus influenzae. International Microbiology, 2014, 17, 159-64. | 1.1 | 1 |
| 82 | Effect of the alkylating agents on the expression of inducible genes of Escherichia coli. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1987, 181, 340. | 0.4 | 0 |
| 83 | Evaluation of recovery procedures of mutagens from raw and drinking water. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1988, 203, 240. | 0.4 | 0 |
| 84 | Construction of a fusion between nrd operon and lacZ gene and its inducibility by chemicals. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1989, 216, 285. | 0.4 | 0 |