

Philippe Lebaron

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

3,008
citations

186265

28
h-index

168389

53
g-index

63
all docs

63
docs citations

63
times ranked

3085
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Does the High Nucleic Acid Content of Individual Bacterial Cells Allow Us To Discriminate between Active Cells and Inactive Cells in Aquatic Systems?. <i>Applied and Environmental Microbiology</i> , 2001, 67, 1775-1782. | 3.1 | 351 |
| 2 | Use of fluorescent probes to assess physiological functions of bacteria at single-cell level. <i>Microbes and Infection</i> , 2000, 2, 1523-1535. | 1.9 | 330 |
| 3 | Marine Bacterial Isolates Display Diverse Responses to UV-B Radiation. <i>Applied and Environmental Microbiology</i> , 1999, 65, 3820-3827. | 3.1 | 159 |
| 4 | Diel and Seasonal Variations in Abundance, Activity, and Community Structure of Particle-Attached and Free-Living Bacteria in NW Mediterranean Sea. <i>Microbial Ecology</i> , 2007, 54, 217-231. | 2.8 | 157 |
| 5 | Effectiveness of SYTOX Green Stain for Bacterial Viability Assessment. <i>Applied and Environmental Microbiology</i> , 1998, 64, 2697-2700. | 3.1 | 152 |
| 6 | Resistance of Marine Bacterioneuston to Solar Radiation. <i>Applied and Environmental Microbiology</i> , 2005, 71, 5282-5289. | 3.1 | 137 |
| 7 | A survey on bacteria inhabiting the sea surface microlayer of coastal ecosystems. <i>FEMS Microbiology Ecology</i> , 2005, 54, 269-280. | 2.7 | 133 |
| 8 | Comparison of samplers for the biological characterization of the sea surface microlayer. <i>Limnology and Oceanography: Methods</i> , 2004, 2, 213-225. | 2.0 | 101 |
| 9 | Succession of cellular states in a <i>Salmonella typhimurium</i> population during starvation in artificial seawater microcosms. <i>FEMS Microbiology Ecology</i> , 2006, 22, 65-76. | 2.7 | 90 |
| 10 | Ecological implications of an improved direct viable count method for aquatic bacteria. <i>Applied and Environmental Microbiology</i> , 1997, 63, 3643-3647. | 3.1 | 84 |
| 11 | Biochemical characteristics and bacterial community structure of the sea surface microlayer in the South Pacific Ocean. <i>Biogeosciences</i> , 2008, 5, 693-705. | 3.3 | 80 |
| 12 | Enhanced heterotrophic activity in the surface microlayer of the Mediterranean Sea. <i>Aquatic Microbial Ecology</i> , 2005, 39, 293-302. | 1.8 | 71 |
| 13 | Metabolomics Reveal That Octocrylene Accumulates in <i>Pocillopora damicornis</i> Tissues as Fatty Acid Conjugates and Triggers Coral Cell Mitochondrial Dysfunction. <i>Analytical Chemistry</i> , 2019, 91, 990-995. | 6.5 | 62 |
| 14 | <i>Balneola vulgaris</i> gen. nov., sp. nov., a member of the phylum Bacteroidetes from the north-western Mediterranean Sea. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1883-1887. | 1.7 | 59 |
| 15 | Relationships among Bacterial Cell Size, Productivity, and Genetic Diversity in Aquatic Environments using Cell Sorting and Flow Cytometry. <i>Microbial Ecology</i> , 2000, 40, 148-158. | 2.8 | 58 |
| 16 | Are the actively respiring cells (CTC+) those responsible for bacterial production in aquatic environments?. <i>FEMS Microbiology Ecology</i> , 2001, 35, 171-179. | 2.7 | 57 |
| 17 | <i>Haliae salexigens</i> gen. nov., sp. nov., a member of the Gammaproteobacteria from the Mediterranean Sea. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 1233-1237. | 1.7 | 56 |
| 18 | Skin Microbiome and its Interplay with the Environment. <i>American Journal of Clinical Dermatology</i> , 2020, 21, 4-11. | 6.7 | 54 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Benzophenone Accumulates over Time from the Degradation of Octocrylene in Commercial Sunscreen Products. <i>Chemical Research in Toxicology</i> , 2021, 34, 1046-1054. | 3.3 | 52 |
| 20 | Evaluation of ChemChrome V6 for bacterial viability assessment in waters. <i>Journal of Applied Microbiology</i> , 2000, 89, 370-380. | 3.1 | 46 |
| 21 | A unique approach to monitor stress in coral exposed to emerging pollutants. <i>Scientific Reports</i> , 2020, 10, 9601. | 3.3 | 45 |
| 22 | Rapid Detection and Enumeration of <i>Legionella pneumophila</i> in Hot Water Systems by Solid-Phase Cytometry. <i>Applied and Environmental Microbiology</i> , 2004, 70, 1651-1657. | 3.1 | 43 |
| 23 | An operational method for the real-time monitoring of <i>E. coli</i> numbers in bathing waters. <i>Marine Pollution Bulletin</i> , 2005, 50, 652-659. | 5.0 | 43 |
| 24 | Occurrence and Environmental Distribution of 5 UV Filters During the Summer Season in Different Water Bodies. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1. | 2.4 | 41 |
| 25 | Effectiveness of CSE to counterstain particles and dead bacterial cells with permeabilised membranes: application to viability assessment in waters. <i>FEMS Microbiology Letters</i> , 1999, 178, 219-226. | 1.8 | 33 |
| 26 | Current and future chemical treatments to fight biodeterioration of outdoor building materials and associated biofilms: Moving away from ecotoxic and towards efficient, sustainable solutions. <i>Science of the Total Environment</i> , 2022, 802, 149846. | 8.0 | 33 |
| 27 | Toxicity of UV filters on marine bacteria: Combined effects with damaging solar radiation. <i>Science of the Total Environment</i> , 2020, 722, 137803. | 8.0 | 32 |
| 28 | Rapid Detection and Enumeration of <i>Naegleria fowleri</i> in Surface Waters by Solid-Phase Cytometry. <i>Applied and Environmental Microbiology</i> , 2002, 68, 3102-3107. | 3.1 | 31 |
| 29 | Effect of 10 UV Filters on the Brine Shrimp <i>Artemia salina</i> and the Marine Microalga <i>Tetraselmis</i> sp.. <i>Toxics</i> , 2020, 8, 29. | 3.7 | 30 |
| 30 | <i>Pleionea mediterranea</i> gen. nov., sp. nov., a gammaproteobacterium isolated from coastal seawater. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 2700-2705. | 1.7 | 28 |
| 31 | Shotgun Redox Proteomics: Identification and Quantitation of Carbonylated Proteins in the UVB-Resistant Marine Bacterium, <i>Photobacterium angustum</i> S14. <i>PLoS ONE</i> , 2013, 8, e68112. | 2.5 | 27 |
| 32 | <i>Melitea salexigens</i> gen. nov., sp. nov., a gammaproteobacterium from the Mediterranean Sea. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 2479-2483. | 1.7 | 25 |
| 33 | Oxybenzone contamination from sunscreen pollution and its ecological threat to Hanauma Bay, Oahu, Hawaii, U.S.A.. <i>Chemosphere</i> , 2022, 291, 132880. | 8.2 | 25 |
| 34 | Efficient degradation of the organic UV filter benzophenone-3 by <i>Sphingomonas wittichii</i> strain BP14P isolated from WWTP sludge. <i>Science of the Total Environment</i> , 2021, 758, 143674. | 8.0 | 24 |
| 35 | Rapid detection of <i>Escherichia coli</i> in waters using fluorescent in situ hybridization, direct viable counting and solid phase cytometry. <i>Journal of Applied Microbiology</i> , 2010, 109, 1253-1264. | 3.1 | 22 |
| 36 | Characterization of N-Acyl Homoserine Lactones in <i>Vibrio tasmaniensis</i> LGP32 by a Biosensor-Based UHPLC-HRMS/MS Method. <i>Sensors</i> , 2017, 17, 906. | 3.8 | 21 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Balance between beneficial microflora and <i>Staphylococcus aureus</i> colonisation: in vivo evaluation in patients with atopic dermatitis during hydrotherapy. <i>European Journal of Dermatology</i> , 2013, 23, 786-794. | 0.6 | 19 |
| 38 | Rapid enumeration of <i>Escherichia coli</i> in marine bathing waters: potential interference of nontarget bacteria. <i>Journal of Applied Microbiology</i> , 2009, 107, 2054-2062. | 3.1 | 18 |
| 39 | Bioaccumulation and Toxicological Effects of UV-Filters on Marine Species. <i>Handbook of Environmental Chemistry</i> , 2020, , 85-130. | 0.4 | 18 |
| 40 | High bacterial diversity in pioneer biofilms colonizing ceramic roof tiles. <i>International Biodeterioration and Biodegradation</i> , 2019, 144, 104745. | 3.9 | 17 |
| 41 | Total and Viable <i>Legionella pneumophila</i> Cells in Hot and Natural Waters as Measured by Immunofluorescence-Based Assays and Solid-Phase Cytometry. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6225-6232. | 3.1 | 16 |
| 42 | Deciphering the Functioning of Microbial Communities: Shedding Light on the Critical Steps in Metaproteomics. <i>Frontiers in Microbiology</i> , 2019, 10, 2395. | 3.5 | 16 |
| 43 | A sensitive and rapid method to determine the viability of freeze-dried bacterial cells. <i>Letters in Applied Microbiology</i> , 2003, 36, 412-417. | 2.2 | 15 |
| 44 | Diversity and activities of pioneer bacteria, algae, and fungi colonizing ceramic roof tiles during the first year of outdoor exposure. <i>International Biodeterioration and Biodegradation</i> , 2021, 162, 105230. | 3.9 | 10 |
| 45 | Changes in Cellular States of the Marine Bacterium <i>Deleya aquamarina</i> under Starvation Conditions. <i>Applied and Environmental Microbiology</i> , 1997, 63, 2686-2694. | 3.1 | 10 |
| 46 | Exposure to four chemical UV filters through contaminated sediment: impact on survival, hatching success, cardiac frequency, and aerobic metabolic scope in embryo-larval stage of zebrafish. <i>Environmental Science and Pollution Research</i> , 2021, 28, 29412-29420. | 5.3 | 9 |
| 47 | In-depth prospection of Avène Thermal Spring Water reveals an uncommon and stable microbial community. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2020, 34, 8-14. | 2.4 | 8 |
| 48 | Occurrence of <i>Salmonella</i> spp. and <i>Cryptosporidium</i> spp. in a French coastal watershed: relationship with fecal indicators. <i>FEMS Microbiology Letters</i> , 2003, 218, 203-209. | 1.8 | 7 |
| 49 | Transfer of 7 Organic UV Filters from Sediment to the Ragworm <i>Hediste diversicolor</i> : Bioaccumulation of Benzophenone-3 and Further Proof of Octocrylene Metabolism. <i>Pollutants</i> , 2022, 2, 23-31. | 2.1 | 7 |
| 50 | UV filters and their impact on marine life: state of the science, data gaps, and next steps. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2022, 36, 22-28. | 2.4 | 7 |
| 51 | Methyl Potassium Siliconate and Siloxane Inhibit the Formation of Multispecies Biofilms on Ceramic Roof Tiles: Efficiency and Comparison of Two Common Water Repellents. <i>Microorganisms</i> , 2021, 9, 394. | 3.6 | 5 |
| 52 | Are the actively respiring cells (CTC+) those responsible for bacterial production in aquatic environments?. <i>FEMS Microbiology Ecology</i> , 2001, 35, 171-179. | 2.7 | 5 |
| 53 | Optimization method for quantification of sunscreen organic ultraviolet filters in coastal sands. <i>Journal of Separation Science</i> , 2021, 44, 3338-3347. | 2.5 | 4 |
| 54 | Evaluation of the degradation capacity of WWTP sludge enrichment cultures towards several organic UV filters and the isolation of octocrylene-degrading microorganisms. <i>Science of the Total Environment</i> , 2022, 826, 154013. | 8.0 | 3 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Methods for Studying Microorganisms in the Environment. , 2015, , 757-829. | | 2 |
| 56 | Response to the Letter to the Editor by Dr. Christian Surber. Chemical Research in Toxicology, 2021, 34, 1938-1943. | 3.3 | 2 |
| 57 | Shedding light on the bacterial resistance to toxic UV filters: a comparative genomic study. PeerJ, 2021, 9, e12278. | 2.0 | 2 |
| 58 | Diel Protein Regulation of Marine Picoplanktonic Communities Assessed by Metaproteomics. Microorganisms, 2021, 9, 2621. | 3.6 | 2 |
| 59 | Environmental and Human Pathogenic Microorganisms. , 2015, , 619-658. | | 1 |
| 60 | Impact of Egg Exposure to UV Filter-Spiked Sediment on the Survival, Hatching Success, Cardiac Frequency, and Metabolic Scope of Zebrafish Embryos. Oceans, 2022, 3, 84-93. | 1.3 | 1 |