# Yannick P Gueguen

List of Publications by Year
in descending order

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|---|---|---|---|
| 81<br>papers | 5,238<br>citations | 71102<br>41<br>h-index | 88630<br>70<br>g-index |
| 85<br>all docs | 85<br>docs citations | 85<br>times ranked | 4179<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Recent advances in bivalve-microbiota interactions for disease prevention in aquaculture. Current Opinion in Biotechnology, 2022, 73, 225-232. | 6.6 | 23 |
| 2 | Seaweeds influence oyster microbiota and disease susceptibility. Journal of Animal Ecology, 2022, 91, 805-818. | 2.8 | 4 |
| 3 | Early life microbial exposures shape the Crassostrea gigas immune system for lifelong and intergenerational disease protection. Microbiome, 2022, 10, . | 11.1 | 24 |
| 4 | In situ characterisation of pathogen dynamics during a Pacific oyster mortality syndrome episode. Marine Environmental Research, 2021, 165, 105251. | 2.5 | 12 |
| 5 | Nonâ€invasive functional exploration techniques for bivalves with applications to pearl oyster Pinctada margaritifera. Reviews in Aquaculture, 2020, 12, 1783. | 9.0 | 1 |
| 6 | Contribution of Viral Genomic Diversity to Oyster Susceptibility in the Pacific Oyster Mortality Syndrome. Frontiers in Microbiology, 2020, 11, 1579. | 3.5 | 14 |
| 7 | Microbiota Composition and Evenness Predict Survival Rate of Oysters Confronted to Pacific Oyster Mortality Syndrome. Frontiers in Microbiology, 2020, 11, 311. | 3.5 | 57 |
| 8 | Differential basal expression of immune genes confers Crassostrea gigas resistance to Pacific oyster mortality syndrome. BMC Genomics, 2020, 21, 63. | 2.8 | 42 |
| 9 | A Sustained Immune Response Supports Long-Term Antiviral Immune Priming in the Pacific Oyster, Crassostrea gigas. MBio, 2020, 11, . | 4.1 | 49 |
| 10 | Efficient and long-lasting protection against the pacific oyster mortality syndrome through antiviral immune priming. Fish and Shellfish Immunology, 2019, 91, 461. | 3.6 | 3 |
| 11 | Inefficient immune response is associated with microbial permissiveness in juvenile oysters affected by mass mortalities on field. Fish and Shellfish Immunology, 2018, 77, 156-163. | 3.6 | 32 |
| 12 | Immune-suppression by OsHV-1 viral infection causes fatal bacteraemia in Pacific oysters. Nature Communications, 2018, 9, 4215. | 12.8 | 217 |
| 13 | Response of the pearl oyster Pinctada margaritifera to cadmium and chromium: Identification of molecular biomarkers. Marine Pollution Bulletin, 2017, 118, 420-426. | 5.0 | 19 |
| 14 | An updated assessment ofSymbiodiniumspp. that associate with common scleractinian corals from Moorea (French Polynesia) reveals high diversity among background symbionts and a novel finding of clade B. PeerJ, 2017, 5, e2856. | 2.0 | 34 |
| 15 | Pinctada margaritifera responses to temperature and pH: Acclimation capabilities and physiological limits. Estuarine, Coastal and Shelf Science, 2016, 182, 261-269. | 2.1 | 29 |
| 16 | Impact of pCO2 on the energy, reproduction and growth of the shell of the pearl oyster Pinctada margaritifera. Estuarine, Coastal and Shelf Science, 2016, 182, 274-282. | 2.1 | 19 |
| 17 | Antimicrobial peptides in marine invertebrate health and disease. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150300. | 4.0 | 101 |
| 18 | Integrated management of pearl culture in French Polynesia in the context of global change: Synopsis of existing results. Estuarine, Coastal and Shelf Science, 2016, 182, 229-234. | 2.1 | 8 |

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|---|---|---|---|
| 19 | Bacterial community characterization of water and intestine of the shrimp Litopenaeus stylirostris in a biofloc system. BMC Microbiology, 2016, 16, 157. | 3.3 | 183 |
| 20 | Effect of temperature, food availability, and estradiol injection on gametogenesis and gender in the pearl oyster Pinctada margaritifera. Journal of Experimental Zoology, 2016, 325, 13-24. | 1.2 | 21 |
| 21 | Effect of electrolysis treatment on the biomineralization capacities of pearl oyster Pinctada margaritifera juveniles. Estuarine, Coastal and Shelf Science, 2016, 182, 235-242. | 2.1 | 3 |
| 22 | Use of Natural Antimicrobial Peptides and Bacterial Biopolymers for Cultured Pearl Production. Marine Drugs, 2015, 13, 3732-3744. | 4.6 | 16 |
| 23 | Relative contribution of natural productivity and compound feed to tissue growth in blue shrimp (Litopenaeus stylirostris) reared in biofloc: Assessment by C and N stable isotope ratios and effect on key digestive enzymes. Aquaculture, 2015, 448, 288-297. | 3.5 | 43 |
| 24 | Rearing effect of biofloc on antioxidant and antimicrobial transcriptional response in Litopenaeus stylirostris shrimp facing an experimental sub-lethal hydrogen peroxide stress. Fish and Shellfish Immunology, 2015, 45, 933-939. | 3.6 | 43 |
| 25 | Identification of genes associated with shell color in the black-lipped pearl oyster, Pinctada margaritifera. BMC Genomics, 2015, 16, 568. | 2.8 | 74 |
| 26 | Yes, it turns: experimental evidence of pearl rotation during its formation. Royal Society Open Science, 2015, 2, 150144. | 2.4 | 14 |
| 27 | Molecular Signatures Discriminating the Male and the Female Sexual Pathways in the Pearl Oyster Pinctada margaritifera. PLoS ONE, 2015, 10, e0122819. | 2.5 | 22 |
| 28 | Temperature and Food Influence Shell Growth and Mantle Gene Expression of Shell Matrix Proteins in the Pearl Oyster Pinctada margaritifera. PLoS ONE, 2014, 9, e103944. | 2.5 | 92 |
| 29 | Biofouling development and its effect on growth and reproduction of the farmed pearl oyster Pinctada margaritifera. Aquaculture, 2014, 434, 18-26. | 3.5 | 24 |
| 30 | Gonad transcriptome analysis of pearl oyster Pinctada margaritifera: identification of potential sex differentiation and sex determining genes. BMC Genomics, 2014, 15, 491. | 2.8 | 100 |
| 31 | Influence of farmed pearl oysters and associated biofouling communities on nutrient regeneration in lagoons of French Polynesia. Aquaculture Environment Interactions, 2014, 5, 209-219. | 1.8 | 23 |
| 32 | Functional Divergence in Shrimp Anti-Lipopolysaccharide Factors (ALFs): From Recognition of Cell Wall Components to Antimicrobial Activity. PLoS ONE, 2013, 8, e67937. | 2.5 | 73 |
| 33 | Different secretory repertoires control the biomineralization processes of prism and nacre deposition of the pearl oyster shell. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20986-20991. | 7.1 | 287 |
| 34 | Evidence of donor effect on cultured pearl quality from a duplicated grafting experiment onPinctada margaritiferausing wild donors. Aquatic Living Resources, 2012, 25, 269-280. | 1.2 | 48 |
| 35 | Expression, tissue localization and synergy of antimicrobial peptides and proteins in the immune response of the oyster Crassostrea gigas. Developmental and Comparative Immunology, 2012, 37, 363-370. | 2.3 | 54 |
| 36 | Characterization of MRNP34, a novel methionine-rich nacre protein from the pearl oysters. Amino Acids, 2012, 42, 2009-2017. | 2.7 | 28 |

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|---|---|---|---|
| 37 | Determination of Gender in the Pearl OysterPinctada margaritifera. Journal of Shellfish Research, 2011, 30, 231-240. | 0.9 | 55 |
| 38 | Calcein staining of calcified structures in pearl oyster Pinctada margaritifera and the effect of food resource level on shell growth. Aquaculture, 2011, 313, 149-155. | 3.5 | 48 |
| 39 | Pmargâ€Pearlin is a Matrix Protein Involved in Nacre Framework Formation in the Pearl OysterPinctada margaritifera. ChemBioChem, 2011, 12, 2033-2043. | 2.6 | 61 |
| 40 | Development of in situ hybridisation using 16S rRNA gene to monitor black-lip pearl oyster,Pinctada margaritifera, larvae in plankton samples. Aquatic Living Resources, 2011, 24, 27-34. | 1.2 | 6 |
| 41 | Molecular diversity of antimicrobial effectors in the oyster Crassostrea gigas. BMC Evolutionary Biology, 2010, 10, 23. | 3.2 | 66 |
| 42 | Transcriptome and proteome analysis of Pinctada margaritifera calcifying mantle and shell: focus on biomineralization. BMC Genomics, 2010, 11, 613. | 2.8 | 208 |
| 43 | Molecular detection of betanodavirus from the farmed fish, Platax orbicularis (Forsskal) (Ephippidae), in French Polynesia. Journal of Fish Diseases, 2010, 33, 451-454. | 1.9 | 11 |
| 44 | Generation and analysis of a 29,745 unique Expressed Sequence Tags from the Pacific oyster (Crassostrea gigas) assembled into a publicly accessible database: the GigasDatabase. BMC Genomics, 2009, 10, 341. | 2.8 | 127 |
| 45 | NMR structure of rALFâ€Pm3, an antiâ€lipopolysaccharide factor from shrimp: Model of the possible lipid Aâ€binding site. Biopolymers, 2009, 91, 207-220. | 2.4 | 76 |
| 46 | Oyster hemocytes express a proline-rich peptide displaying synergistic antimicrobial activity with a defensin. Molecular Immunology, 2009, 46, 516-522. | 2.2 | 76 |
| 47 | A relationship between antimicrobial peptide gene expression and capacity of a selected shrimp line to survive a Vibrio infection. Molecular Immunology, 2008, 45, 3438-3445. | 2.2 | 56 |
| 48 | Rapid accumulation of an interleukin 17 homolog transcript in Crassostrea gigas hemocytes following bacterial exposure. Developmental and Comparative Immunology, 2008, 32, 1099-1104. | 2.3 | 96 |
| 49 | Evidence of a bactericidal permeability increasing protein in an invertebrate, theCrassostrea gigas Cg-BPI. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17759-17764. | 7.1 | 124 |
| 50 | Molecular characterization of two isoforms of defensin from hemocytes of the oyster Crassostrea gigas. Developmental and Comparative Immunology, 2007, 31, 332-339. | 2.3 | 116 |
| 51 | PenBase, the shrimp antimicrobial peptide penaeidin database: Sequence-based classification and recommended nomenclature. Developmental and Comparative Immunology, 2006, 30, 283-288. | 2.3 | 152 |
| 52 | Characterization of a Defensin from the Oyster Crassostrea gigas. Journal of Biological Chemistry, 2006, 281, 313-323. | 3.4 | 166 |
| 53 | Molecular characterization of penaeidins from two Atlantic brazilian shrimp species,Farfantepenaeus paulensisandLitopenaeus schmitti. FEMS Microbiology Letters, 2005, 250, 117-120. | 1.8 | 13 |
| 54 | Identification of genes that are differentially expressed in hemocytes of the Pacific blue shrimp (Litopenaeus stylirostris) surviving an infection with Vibrio penaeicida. Physiological Genomics, 2005, 21, 174-183. | 2.3 | 64 |

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| 55 | Evidence in oyster of a plasma extracellular superoxide dismutase which binds LPS. Biochemical and Biophysical Research Communications, 2005, 338, 1089-1097. | 2.1 | 83 |
| 56 | Recombinant expression and anti-microbial activity of anti-lipopolysaccharide factor (ALF) from the black tiger shrimp. Developmental and Comparative Immunology, 2005, 29, 841-851. | 2.3 | 177 |
| 57 | Characterization of a thermophilic DNA ligase from the archaeon Thermococcus fumicolans. FEMS Microbiology Letters, 2004, 236, 267-273. | 1.8 | 35 |
| 58 | Insights into the anti-microbial defense of marine invertebrates: the penaeid shrimps and the oyster Crassostrea gigas. Immunological Reviews, 2004, 198, 149-168. | 6.0 | 431 |
| 59 | Involvement of penaeidins in defense reactions of the shrimp Litopenaeus stylirostris to a pathogenic vibrio. Cellular and Molecular Life Sciences, 2004, 61, 961-972. | 5.4 | 57 |
| 60 | Characterization of a thermophilic DNA ligase from the archaeon Thermococcus fumicolans. FEMS Microbiology Letters, 2004, 236, 267-273. | 1.8 | 21 |
| 61 | Expression of penaeidin antimicrobial peptides in early larval stages of the shrimp Penaeus vannamei. Developmental and Comparative Immunology, 2003, 27, 283-289. | 2.3 | 44 |
| 62 | Immune gene discovery by expressed sequence tags generated from hemocytes of the bacteria-challenged oyster, Crassostrea gigas. Gene, 2003, 303, 139-145. | 2.2 | 221 |
| 63 | Replication Factor C from the Hyperthermophilic Archaeon Pyrococcus abyssi Does Not Need ATP Hydrolysis for Clamp-loading and Contains a Functionally Conserved RFC PCNA-binding Domain. Journal of Molecular Biology, 2002, 323, 795-810. | 4.2 | 27 |
| 64 | Comment on "The first description of an archaeal hemicellulase: the xylanase from Thermococcus zilligii strain AN1": evidence that the unique N-terminal sequence proposed comes from a maltodextrin phosphorylase. Extremophiles, 2002, 6, 349-350. | 2.3 | 7 |
| 65 | PCR performance of the highly thermostable proof-reading B-type DNA polymerase fromPyrococcus abyssi. FEMS Microbiology Letters, 2002, 217, 89-94. | 1.8 | 34 |
| 66 | PCR performance of the highly thermostable proof-reading B-type DNA polymerase from Pyrococcus abyssi. FEMS Microbiology Letters, 2002, 217, 89-94. | 1.8 | 1 |
| 67 | Characterization of a Highly Thermostable Alkaline Phosphatase from the Euryarchaeon Pyrococcus abyssi. Applied and Environmental Microbiology, 2001, 67, 4504-4511. | 3.1 | 74 |
| 68 | Genetic and biochemical characterization of a short-chain alcohol dehydrogenase from the hyperthermophilic archaeonPyrococcus furiosus. FEBS Journal, 2001, 268, 3062-3068. | 0.2 | 50 |
| 69 | Characterization of two DNA polymerases from the hyperthermophilic euryarchaeonPyrococcus abyssi. FEBS Journal, 2001, 268, 5961-5969. | 0.2 | 58 |
| 70 | Purification and Characterization of an Intracellular Î²-Glucosidase from a Candida sake Strain Isolated from Fruit Juices. Applied Biochemistry and Biotechnology, 2001, 95, 151-162. | 2.9 | 8 |
| 71 | Characterization of the maltooligosyl trehalose synthase from the thermophilic archaeonSulfolobus acidocaldarius. FEMS Microbiology Letters, 2001, 194, 201-206. | 1.8 | 20 |
| 72 | Use of Î²-Glucosidase in the Development of Flavor in Wines and Fruit Juices. Methods in Biotechnology, 1999, , 323-331. | 0.2 | 2 |

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| 73 | Transcriptional Regulation in the Hyperthermophilic Archaeon Pyrococcus furiosus : Coordinated Expression of Divergently Oriented Genes in Response to Î²-Linked Glucose Polymers. Journal of Bacteriology, 1999, 181, 3777-3783. | 2.2 | 21 |
| 74 | Purification and Characterization of an Intracellular Î²-Glucosidase from Lactobacillus casei ATCC 393. Applied Biochemistry and Biotechnology, 1998, 74, 105-114. | 2.9 | 24 |
| 75 | Molecular and Biochemical Characterization of an Endo-Î²-1,3-glucanase of the Hyperthermophilic ArchaeonPyrococcus furiosus. Journal of Biological Chemistry, 1997, 272, 31258-31264. | 3.4 | 130 |
| 76 | Enhancement of aromatic quality of Muscat wine by the use of immobilized Î²-glucosidase. Journal of Biotechnology, 1997, 55, 151-156. | 3.8 | 66 |
| 77 | Purification and characterization of an intracellular Î²â€glucosidase from a new strain of Leuconostoc mesenteroides isolated from cassava. Journal of Applied Microbiology, 1997, 82, 469-476. | 3.1 | 58 |
| 78 | A Very Efficient Î²-Glucosidase Catalyst for the Hydrolysis of Flavor Precursors of Wines and Fruit Juices. Journal of Agricultural and Food Chemistry, 1996, 44, 2336-2340. | 5.2 | 115 |
| 79 | Comparative study of extracellular and intracellular Î²â€glucosidases of a new strain of Zygosaccharomyces bailii isolated from fermenting agave juice. Journal of Applied Bacteriology, 1995, 78, 270-280. | 1.1 | 31 |
| 80 | Enzymatic synthesis of dodecyl.Î²-d-glucopyranoside catalyzed by Candida molischiana 35M5N Î²-glucosidase. Bioresource Technology, 1995, 53, 263-267. | 9.6 | 5 |
| 81 | Purification and characterization of an intracellular Î²-glucosidase from Botrytis cinerea. Enzyme and Microbial Technology, 1995, 17, 900-906. | 3.2 | 50 |