

# Frdrigue Le Roux

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6756020/frederique-le-roux-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22  
papers

1,044  
citations

15  
h-index

23  
g-index

23  
ext. papers

1,566  
ext. citations

10.9  
avg, IF

4.2  
L-index

#	Paper	IF	Citations
22	Construction of a <i>Vibrio splendidus</i> mutant lacking the metalloprotease gene <i>vsm</i> by use of a novel counterselectable suicide vector. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 777-84	4.8	186
21	Immune-suppression by OsHV-1 viral infection causes fatal bacteraemia in Pacific oysters. <i>Nature Communications</i> , <b>2018</b> , 9, 4215	17.4	104
20	Genome sequence of <i>Vibrio splendidus</i> : an abundant planktonic marine species with a large genotypic diversity. <i>Environmental Microbiology</i> , <b>2009</b> , 11, 1959-70	5.2	88
19	<i>Crassostrea gigas</i> mortality in France: the usual suspect, a herpes virus, may not be the killer in this polymicrobial opportunistic disease. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 686	5.7	85
18	Populations, not clones, are the unit of vibrio pathogenesis in naturally infected oysters. <i>ISME Journal</i> , <b>2015</b> , 9, 1523-31	11.9	82
17	The emergence of <i>Vibrio</i> pathogens in Europe: ecology, evolution, and pathogenesis (Paris, 11-12th March 2015). <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 830	5.7	80
16	Oysters and <i>Vibrios</i> as a Model for Disease Dynamics in Wild Animals. <i>Trends in Microbiology</i> , <b>2016</b> , 24, 568-580	12.4	71
15	<i>Vibrio crassostreae</i> , a benign oyster colonizer turned into a pathogen after plasmid acquisition. <i>ISME Journal</i> , <b>2017</b> , 11, 1043-1052	11.9	69
14	Comprehensive Functional Analysis of the 18 <i>Vibrio cholerae</i> N16961 Toxin-Antitoxin Systems Substantiates Their Role in Stabilizing the Superintegron. <i>Journal of Bacteriology</i> , <b>2015</b> , 197, 2150-9	3.5	52
13	A single regulatory gene is sufficient to alter <i>Vibrio aestuarianus</i> pathogenicity in oysters. <i>Environmental Microbiology</i> , <b>2015</b> , 17, 4189-99	5.2	41
12	Eco-evolutionary Dynamics Linked to Horizontal Gene Transfer in <i>Vibrios</i> . <i>Annual Review of Microbiology</i> , <b>2018</b> , 72, 89-110	17.5	34
11	Conserved small RNAs govern replication and incompatibility of a diverse new plasmid family from marine bacteria. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 1004-13	20.1	31
10	Virulence of an emerging pathogenic lineage of <i>Vibrio nigripulchritudo</i> is dependent on two plasmids. <i>Environmental Microbiology</i> , <b>2011</b> , 13, 296-306	5.2	28
9	Species-specific mechanisms of cytotoxicity toward immune cells determine the successful outcome of infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 14238-14247	11.5	23
8	Ancestral gene acquisition as the key to virulence potential in environmental <i>Vibrio</i> populations. <i>ISME Journal</i> , <b>2018</b> , 12, 2954-2966	11.9	20
7	Rapid evolutionary turnover of mobile genetic elements drives bacterial resistance to phages. <i>Science</i> , <b>2021</b> , 374, 488-492	33.3	13
6	Ecologically realistic model of infection for exploring the host damage caused by <i>Vibrio aestuarianus</i> . <i>Environmental Microbiology</i> , <b>2018</b> , 20, 4343-4355	5.2	12

5	Selection of <i>Vibrio crassostreae</i> relies on a plasmid expressing a type 6 secretion system cytotoxic for host immune cells. <i>Environmental Microbiology</i> , <b>2020</b> , 22, 4198-4211	5.2	11
4	Nigritoxin is a bacterial toxin for crustaceans and insects. <i>Nature Communications</i> , <b>2017</b> , 8, 1248	17.4	5
3	<i>Vibrio splendidus</i> O-antigen structure: a trade-off between virulence to oysters and resistance to grazers. <i>Environmental Microbiology</i> , <b>2020</b> , 22, 4264-4278	5.2	4
2	Environmental vibrios: “a walk on the wild side”. <i>Environmental Microbiology Reports</i> , <b>2017</b> , 9, 27-29	3.7	3
1	Genetic determinism of phage-bacteria coevolution in natural populations		2