Frdrique Le Roux

List of Publications by Year in Descending Order

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	Rapid evolutionary turnover of mobile genetic elements drives bacterial resistance to phages. *Science*, **2021**, 374, 488-492	33.3	13
21	Vibrio splendidus O-antigen structure: a trade-off between virulence to oysters and resistance to grazers. *Environmental Microbiology*, **2020**, 22, 4264-4278	5.2	4
20	Selection of Vibrio crassostreae relies on a plasmid expressing a type 6 secretion system cytotoxic for host immune cells. *Environmental Microbiology*, **2020**, 22, 4198-4211	5.2	11
19	Species-specific mechanisms of cytotoxicity toward immune cells determine the successful outcome of infections. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 14238-14247	11.5	23
18	Ancestral gene acquisition as the key to virulence potential in environmental Vibrio populations. *ISME Journal*, **2018**, 12, 2954-2966	11.9	20
17	Ecologically realistic model of infection for exploring the host damage caused by Vibrio aestuarianus. *Environmental Microbiology*, **2018**, 20, 4343-4355	5.2	12
16	Eco-evolutionary Dynamics Linked to Horizontal Gene Transfer in Vibrios. *Annual Review of Microbiology*, **2018**, 72, 89-110	17.5	34
15	Immune-suppression by OsHV-1 viral infection causes fatal bacteraemia in Pacific oysters. *Nature Communications*, **2018**, 9, 4215	17.4	104
14	Environmental vibrios: a walk on the wild side. *Environmental Microbiology Reports*, **2017**, 9, 27-29	3.7	3
13	Vibrio crassostreae, a benign oyster colonizer turned into a pathogen after plasmid acquisition. *ISME Journal*, **2017**, 11, 1043-1052	11.9	69
12	Nigritoxin is a bacterial toxin for crustaceans and insects. *Nature Communications*, **2017**, 8, 1248	17.4	5
11	Oysters and Vibrios as a Model for Disease Dynamics in Wild Animals. *Trends in Microbiology*, **2016**, 24, 568-580	12.4	71
10	Comprehensive Functional Analysis of the 18 Vibrio cholerae N16961 Toxin-Antitoxin Systems Substantiates Their Role in Stabilizing the Superintegron. *Journal of Bacteriology*, **2015**, 197, 2150-9	3.5	52
9	Populations, not clones, are the unit of vibrio pathogenesis in naturally infected oysters. *ISME Journal*, **2015**, 9, 1523-31	11.9	82
8	A single regulatory gene is sufficient to alter Vibrio aestuarianus pathogenicity in oysters. *Environmental Microbiology*, **2015**, 17, 4189-99	5.2	41
7	Crassostrea gigas mortality in France: the usual suspect, a herpes virus, may not be the killer in this polymicrobial opportunistic disease. *Frontiers in Microbiology*, **2015**, 6, 686	5.7	85
6	The emergence of Vibrio pathogens in Europe: ecology, evolution, and pathogenesis (Paris, 11-12th March 2015). *Frontiers in Microbiology*, **2015**, 6, 830	5.7	80

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5	Virulence of an emerging pathogenic lineage of Vibrio nigripulchritudo is dependent on two plasmids. *Environmental Microbiology*, **2011**, 13, 296-306	5.2	28
4	Conserved small RNAs govern replication and incompatibility of a diverse new plasmid family from marine bacteria. *Nucleic Acids Research*, **2011**, 39, 1004-13	20.1	31
3	Genome sequence of Vibrio splendidus: an abundant planctonic marine species with a large genotypic diversity. *Environmental Microbiology*, **2009**, 11, 1959-70	5.2	88
2	Construction of a Vibrio splendidus mutant lacking the metalloprotease gene vsm by use of a novel counterselectable suicide vector. *Applied and Environmental Microbiology*, **2007**, 73, 777-84	4.8	186
1	Genetic determinism of phage-bacteria coevolution in natural populations		2