Carmen Amaro

List of Publications by Year
in descending order

118 papers	4,312 citations	81839 39 h-index	143943 57 g-index
121 all docs	121 docs citations	121 times ranked	2013 citing authors

#	Article	IF	Citations
1	Vibrio vulnificus biotype 2, pathogenic for eels, is also an opportunistic pathogen for humans. Applied and Environmental Microbiology, 1996, 62, 1454-1457.	1.4	185
2	The emergence of Vibrio pathogens in Europe: ecology, evolution, and pathogenesis (Paris, 11â€“12th) Tj ETQq0 0 0 rgBT /Overlock 10	1.5	136
3	Evidence that water transmits Vibrio vulnificus biotype 2 infections to eels. Applied and Environmental Microbiology, 1995, 61, 1133-1137.	1.4	133
4	Phenotypic characterization of Vibrio vulnificus biotype 2, a lipopolysaccharide-based homogeneous O serogroup within Vibrio vulnificus. Applied and Environmental Microbiology, 1996, 62, 918-927.	1.4	108
5	Phenotypic and genotypic characterization of Vibrio vulnificus: proposal for the substitution of the subspecific taxon biotype for serovar. Applied and Environmental Microbiology, 1997, 63, 1460-1466.	1.4	106
6	Role of iron, capsule, and toxins in the pathogenicity of Vibrio vulnificus biotype 2 for mice. Infection and Immunity, 1994, 62, 759-763.	1.0	102
7	First record of Vibrio vulnificus biotype 2 from diseased European eel, Anguilla anguilla L.. Journal of Fish Diseases, 1991, 14, 103-109.	0.9	93
8	Evidence that water transmits the disease caused by the fish pathogen Photobacterium damselae subsp. damselae. Journal of Applied Microbiology, 2000, 88, 531-535.	1.4	90
9	Electrophoretic analysis of heterogeneous lipopolysaccharides from various strains ofVibrio vulnificus biotypes 1 and 2 by silver staining and immunoblotting. Current Microbiology, 1992, 25, 99-104.	1.0	83
10	Vibrio harveyi causes disease in seahorse, Hippocampus sp.. Journal of Fish Diseases, 2001, 24, 311-313.	0.9	80
11	Transmission to Eels, Portals of Entry, and Putative Reservoirs of Vibrio vulnificus Serovar E (Biotype) Tj ETQq1 1 0.784314 rgBT /Over	1.4	78
12	Presence of a capsule in Vibrio vulnificus biotype 2 and its relationship to virulence for eels. Infection and Immunity, 1993, 61, 1611-1618.	1.0	78
13	Comparative study of phenotypic and virulence properties in Vibrio vulnificus biotypes 1 and 2 obtained from a European eel farm experiencing mortalities. Diseases of Aquatic Organisms, 1992, 13, 29-35.	0.5	78
14	First description of non-motile Yersinia ruckeri serovar I strains causing disease in rainbow trout, Oncorhynchus mykiss (Walbaum), cultured in Spain. Journal of Fish Diseases, 2006, 29, 339-346.	0.9	73
15	Toxic and enzymatic activities of Vibrio vulnificus biotype 2 with respect to host specificity. Applied and Environmental Microbiology, 1996, 62, 2331-2337.	1.4	72
16	A Common Virulence Plasmid in Biotype 2 Vibrio vulnificus and Its Dissemination Aided by a Conjugal Plasmid. Journal of Bacteriology, 2008, 190, 1638-1648.	1.0	70
17	Domain Organization and Evolution of Multifunctional Autoprocessing Repeats-in-Toxin (MARTX) Toxin in Vibrio vulnificus. Applied and Environmental Microbiology, 2011, 77, 657-668.	1.4	67
18	<scp>MARTX</scp> of <scp>V</scp>ibrio vulnificus biotype 2 is a virulence and survival factor. Environmental Microbiology, 2013, 15, 419-432.	1.8	65

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19	The lipopolysaccharide O side chain of Vibrio vulnificus serogroup E is a virulence determinant for eels. Infection and Immunity, 1997, 65, 2475-2479.	1.0	65
20	Virulence of Aeromonas hydrophita and some other bacteria isolated from European eels Anguilla anguilla reared in fresh water. Diseases of Aquatic Organisms, 1993, 16, 15-20.	0.5	65
21	Isolation of a new serovar of Vibrio vulnificus pathogenic for eels cultured in freshwater farms. Aquaculture, 2003, 217, 677-682.	1.7	63
22	The Fish Pathogen Vibrio vulnificus Biotype 2: Epidemiology, Phylogeny, and Virulence Factors Involved in Warm-Water Vibriosis. Microbiology Spectrum, 2015, 3, .	1.2	62
23	Effects of Salinity and Temperature on Long-Term Survival of the Eel Pathogen Vibrio vulnificus Biotype 2 (Serovar E). Applied and Environmental Microbiology, 1999, 65, 1117-1126.	1.4	62
24	Effectiveness of different vaccine formulations against vibriosis caused by Vibrio vulnificus serovar E (biotype 2) in European eels Anguilla anguilla. Diseases of Aquatic Organisms, 2000, 43, 91-101.	0.5	60
25	Effect of low temperature on starvation-survival of the eel pathogen Vibrio vulnificus biotype 2. Applied and Environmental Microbiology, 1996, 62, 450-455.	1.4	59
26	Evaluation of Genotypic and Phenotypic Methods To Distinguish Clinical from Environmental Vibrio vulnificus Strains. Applied and Environmental Microbiology, 2009, 75, 1604-1613.	1.4	58
27	Vibrio vulnificus serovar A: an emerging pathogen in European anguilliculture. Journal of Fish Diseases, 2006, 29, 285-291.	0.9	56
28	The kinetics of antibody production in mucus and serum of European eel (Anguilla anguilla L.) after vaccination against Vibrio vulnificus: development of a new method for antibody quantification in skin mucus. Fish and Shellfish Immunology, 2003, 15, 51-61.	1.6	55
29	Role of iron in the pathogenicity ofVibrio damselafor fish and mammals. FEMS Microbiology Letters, 1994, 121, 181-188.	0.7	53
30	Wild eel microbiome reveals that skin mucus of fish could be a natural niche for aquatic mucosal pathogen evolution. Microbiome, 2017, 5, 162.	4.9	52
31	Phylogeny of Vibrio vulnificus from the Analysis of the Core-Genome: Implications for Intra-Species Taxonomy. Frontiers in Microbiology, 2017, 8, 2613.	1.5	50
32	Efficacy of a bivalent vaccine against eel diseases caused by Vibrio vulnificus after its administration by four different routes. Fish and Shellfish Immunology, 2004, 16, 93-105.	1.6	49
33	Iron and Fur in the life cycle of the zoonotic pathogen Vibrio vulnificus. Environmental Microbiology, 2016, 18, 4005-4022.	1.8	49
34	Toxicity of the extracellular products ofVibrio damsela isolated from diseased fish. Current Microbiology, 1993, 27, 341-347.	1.0	48
35	Isolation and characterization of Vibrio parahaemolyticus causing infection in Iberian toothcarp Aphanius iberus. Diseases of Aquatic Organisms, 1999, 35, 77-80.	0.5	47
36	pilF Polymorphism-Based PCR To Distinguish Vibrio vulnificus Strains Potentially Dangerous to Public Health. Applied and Environmental Microbiology, 2010, 76, 1328-1333.	1.4	47

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37	Comparison of outer membrane protein profiles ofVibrio vulnificusbiotypes 1 and 2. FEMS Microbiology Letters, 1993, 107, 217-222.	0.7	45
38	Survival of fish-virulent strains ofPhotobacterium damselaesubsp.damselaein seawater under starvation conditions. FEMS Microbiology Letters, 1998, 168, 181-186.	0.7	45
39	Field testing of a vaccine against eel diseases caused by Vibrio vulnificus. Diseases of Aquatic Organisms, 2001, 45, 183-189.	0.5	42
40	Siderophore-mediated iron acquisition mechanisms in Vibrio vulnificus biotype 2. Applied and Environmental Microbiology, 1996, 62, 928-935.	1.4	42
41	High genetic diversity ofVibrio choleraein the European lake Neusiedler See is associated with intensive recombination in the reed habitat and the longâ€distance transfer of strains. Environmental Microbiology, 2017, 19, 328-344.	1.8	41
42	Incidence of Vibrio cholerae and related vibrios in a coastal lagoon and seawater influenced by lake discharges along an annual cycle. Applied and Environmental Microbiology, 1985, 50, 426-430.	1.4	41
43	Polyphyletic Origin of Vibrio vulnificus Biotype 2 as Revealed by Sequence-Based Analysis. Applied and Environmental Microbiology, 2011, 77, 688-695.	1.4	40
44	O-Serogrouping and surface components ofAeromonas hydrophilaandAeromonas jandaeipathogenic for eels. FEMS Microbiology Letters, 1994, 117, 85-90.	0.7	39
45	Protocol for Specific Isolation of Virulent Strains of Vibrio vulnificus Serovar E (Biotype 2) from Environmental Samples. Applied and Environmental Microbiology, 2004, 70, 7024-7032.	1.4	37
46	Evaluation of the API 20E system for identification and discrimination of Vibrio vulnificus biotypes 1 and 2. Journal of Fish Diseases, 1993, 16, 79-82.	0.9	36
47	The Cytotoxinâ€Hemolysin Genes of Human and Eel Pathogenic Vibrio vulnificus Strains: Comparison of Nucleotide Sequences and Application to the Genetic Grouping. Microbiology and Immunology, 2005, 49, 513-519.	0.7	35
48	Plasmid diversity in Vibrio vulnificus biotypes. Microbiology (United Kingdom), 2009, 155, 489-497.	0.7	35
49	Characterization of PAMP/PRR interactions in European eel (AnguillaÂanguilla) macrophage-like primary cell cultures. Fish and Shellfish Immunology, 2013, 35, 1216-1223.	1.6	35
50	Novel hostâ€specific iron acquisition system in the zoonotic pathogen <scp>V</scp>ibrio vulnificus. Environmental Microbiology, 2015, 17, 2076-2089.	1.8	35
51	Pathogenicity of live bacteria and extracellular products of motile Aeromonas isolated from eels. Journal of Applied Bacteriology, 1995, 78, 555-562.	1.1	34
52	Phenotypic and genotypic characterization of a new fish-virulent Vibrio vulnificus serovar that lacks potential to infect humans. Microbiology (United Kingdom), 2007, 153, 1926-1934.	0.7	33
53	Serological and molecular characteristics of Vibrio vulnificus biotype 3: evidence for high clonality. Microbiology (United Kingdom), 2007, 153, 847-856.	0.7	32
54	Utilization of hemin and hemoglobin by Vibrio vulnificus biotype 2. Applied and Environmental Microbiology, 1996, 62, 2806-2810.	1.4	31

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55	Susceptibility of Nile tilapia (Oreochromis niloticus) to vibriosis due to Vibrio vulnificus biotype 2 (serovar E). Aquaculture, 2002, 212, 21-30.	1.7	30
56	Iron-binding compounds and related outer membrane proteins in Vibrio cholerae non-O1 strains from aquatic environments. Applied and Environmental Microbiology, 1990, 56, 2410-2416.	1.4	30
57	MARTX Toxin in the Zoonotic Serovar of Vibrio vulnificus Triggers an Early Cytokine Storm in Mice. Frontiers in Cellular and Infection Microbiology, 2017, 7, 332.	1.8	29
58	Adaptation to host in Vibrio vulnificus, a zoonotic pathogen that causes septicemia in fish and humans. Environmental Microbiology, 2019, 21, 3118-3139.	1.8	29
59	Multiplex PCR Assay for Detection of Vibrio vulnificus Biotype 2 and Simultaneous Discrimination of Serovar E Strains. Applied and Environmental Microbiology, 2007, 73, 2029-2032.	1.4	28
60	Role of the metalloprotease Vvp and the virulence plasmid pR99 of Vibrio vulnificus serovar E in surface colonization and fish virulence. Environmental Microbiology, 2008, 10, 328-338.	1.8	27
61	Vibrio vulnificus produces quorum sensing signals of the AHL-class. FEMS Microbiology Ecology, 2009, 69, 16-26.	1.3	27
62	High affinity iron-uptake systems in Vibrio damsela: role in the acquisition of iron from transferrin. Journal of Applied Microbiology, 1997, 82, 157-167.	1.4	27
63	pilF polymorphism-based real-time PCR to distinguish Vibrio vulnificus strains of human health relevance. Food Microbiology, 2012, 30, 17-23.	2.1	26
64	Early steps in the European eel (Anguilla anguilla)â€“Vibrio vulnificus interaction in the gills: Role of the RtxA13 toxin. Fish and Shellfish Immunology, 2015, 43, 502-509.	1.6	26
65	R plasmids in environmental Vibrio cholerae non-O1 strains. Applied and Environmental Microbiology, 1988, 54, 2771-2776.	1.4	26
66	Isolation ofVibrio vulnificusSerovar E from Aquatic Habitats in Taiwan. Applied and Environmental Microbiology, 1999, 65, 1352-1355.	1.4	25
67	Microbial and histopathological study of the vibriosis caused by Vibrio vulnificus serovar E in eels: The metalloprotease Vvp is not an essential lesional factor. Microbial Pathogenesis, 2008, 45, 386-393.	1.3	24
68	Role of the virulence plasmid pR99 and the metalloprotease Vvp in resistance of Vibrio vulnificus serovar E to eel innate immunity. Fish and Shellfish Immunology, 2008, 24, 134-141.	1.6	24
69	A comparative epizootiologic study of the two fishâ€pathogenic serovars of Vibrio vulnificus biotype 2. Journal of Fish Diseases, 2010, 33, 383-390.	0.9	24
70	The Effect of the Environmental Temperature on the Adaptation to Host in the Zoonotic Pathogen Vibrio vulnificus. Frontiers in Microbiology, 2020, 11, 489.	1.5	22
71	Genome-Wide SNP-Genotyping Array to Study the Evolution of the Human Pathogen Vibrio vulnificus Biotype 3. PLoS ONE, 2014, 9, e114576.	1.1	22
72	High affinity iron-uptake systems in Vibrio damsela: role in the acquisition of iron from transferrin. Journal of Applied Microbiology, 1997, 82, 157-167.	1.4	21

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73	Vibrio vulnificus Biotype 2 Serovar E gne but Not galE Is Essential for Lipopolysaccharide Biosynthesis and Virulence. Infection and Immunity, 2008, 76, 1628-1638.	1.0	21
74	Efficacy of oral reimmunisation after immersion vaccination against Vibrio vulnificus in farmed European eels. Aquaculture, 2004, 231, 9-22.	1.7	20
75	Immunogenic antigens of the eel pathogen Vibrio vulnificus serovar E. Fish and Shellfish Immunology, 2004, 17, 277-291.	1.6	19
76	Identification of DNA Sequences Specific for Vibrio vulnificus Biotype 2 Strains by Suppression Subtractive Hybridization. Applied and Environmental Microbiology, 2005, 71, 5593-5597.	1.4	19
77	Vibrio Species. , 0, , 347-388.		19
78	Phylogeny and life cycle of the zoonotic pathogen Vibrio vulnificus. Environmental Microbiology, 2020, 22, 4133-4148.	1.8	19
79	An enzyme-linked immunosorbent assay for detection of Vibrio vulnificus biotype 2: development and field studies. Applied and Environmental Microbiology, 1997, 63, 537-542.	1.4	19
80	Siderophore production by environmental strains ofSalmonellaspecies. FEMS Microbiology Letters, 1989, 57, 7-12.	0.7	18
81	Surface and virulence properties of environmental Vibrio cholerae non-O1 from Albufera Lake (Valencia, Spain). Applied and Environmental Microbiology, 1990, 56, 1140-1147.	1.4	18
82	Host-Nonspecific Iron Acquisition Systems and Virulence in the Zoonotic Serovar of Vibrio vulnificus. Infection and Immunity, 2014, 82, 731-744.	1.0	17
83	Biochemical and toxigenic properties of Vibrio furnissii isolated from a European eel farm. Aquaculture, 1995, 132, 81-90.	1.7	15
84	An indirect immunofluorescent antibody technique for detection and enumeration of Vibrio vulnificus serovar E (biotype 2): delevopment and applications. Journal of Applied Microbiology, 2000, 89, 599-606.	1.4	15
85	Spontaneous Quinolone Resistance in the Zoonotic Serovar of Vibrio vulnificus. Applied and Environmental Microbiology, 2009, 75, 2577-2580.	1.4	15
86	Metagenomics of the Mucosal Microbiota of European Eels. Genome Announcements, 2014, 2, .	0.8	15
87	Draft Genome Sequence of Environmental Bacterium Vibrio vulnificus CladeA-yb158. Genome Announcements, 2015, 3, .	0.8	15
88	Siderophores and related outer membrane proteins in Vibrio spp. which are potential pathogens of fish and shellfish. Journal of Fish Diseases, 1991, 14, 249-263.	0.9	14
89	Comprehensive identification of Vibrio vulnificus genes required for growth in human serum. Virulence, 2018, 9, 981-993.	1.8	14
90	Impact of analytic provenance in genome analysis. BMC Genomics, 2014, 15, S1.	1.2	13

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91	Hostâ€“pathogen interactions in Vibrio vulnificus: responses of monocytes and vascular endothelial cells to live bacteria. Future Microbiology, 2015, 10, 471-487.	1.0	13
92	Influence of aquatic microbiota on the survival in water of the human and eel pathogen Vibrio vulnificus serovar E. Environmental Microbiology, 2004, 6, 364-376.	1.8	12
93	The widespread presence of a family of fish virulence plasmids in Vibrio vulnificus stresses its relevance as a zoonotic pathogen linked to fish farms. Emerging Microbes and Infections, 2021, 10, 2128-2140.	3.0	12
94	Ferric-reductase activities inVibrio vulnificusbiotypes 1 and 2. FEMS Microbiology Letters, 1999, 172, 205-211.	0.7	10
95	A method to diagnose the carrier state of Vibrio vulnificus serovar E in eels: Development and field studies. Aquaculture, 2006, 258, 173-179.	1.7	10
96	Isolation of a hemin and hemoglobin binding outer membrane protein of Vibrio vulnificus biotype 2 (serogroup E). FEMS Microbiology Letters, 2006, 156, 187-191.	0.7	10
97	An Enriched European Eel Transcriptome Sheds Light upon Host-Pathogen Interactions with Vibrio vulnificus. PLoS ONE, 2015, 10, e0133328.	1.1	10
98	Comparative Study of Biological Properties and Electrophoretic Characteristics of Lipopolysaccharide from Eel-Virulent and Eel-A virulent Vibrio vulnificus Strains. Applied and Environmental Microbiology, 1999, 65, 856-858.	1.4	10
99	Vibriosis.. , 2020, , 182-210.		10
100	Siderophore production by environmental strains of Salmonella species. FEMS Microbiology Letters, 1989, 48, 7-12.	0.7	9
101	Replicating phages in the epidermal mucosa of the eel (Anguilla anguilla). Frontiers in Microbiology, 2015, 6, 3.	1.5	7
102	Physico-Chemical and Bacteriological Parameters in a Hypereutrophic Lagoon (Albufera Lake, Valencia,) Tj ETQq0 0 0 rgBT /Overlock 10	0.2	6
103	A multiplex PCR for the detection of Vibrio vulnificus hazardous to human and/or animal health from seafood. International Journal of Food Microbiology, 2022, 377, 109778.	2.1	6
104	Vaccination of market-size eels against vibriosis due to Vibrio vulnificus serovar E. Aquaculture, 2004, 241, 9-19.	1.7	5
105	Survival of fish-virulent strains of Photobacterium damselae subsp. damselae in seawater under starvation conditions. , 0, .		5
106	Serum antibodies toVibrio vulnificusbiotype 3 lipopolysaccharide and susceptibility to disease caused by the homologousV. vulnificusbiotype. Epidemiology and Infection, 2011, 139, 472-481.	1.0	4
107	In vitro study of antimicrobial activity on Klebsiella Pneumoniae biofilms in endotracheal tubes. Journal of Chemotherapy, 2019, 31, 202-208.	0.7	4
108	Draft Genome Sequences of Vibrio vulnificus Strains Recovered from Moribund Tilapia. Microbiology Resource Announcements, 2021, 10, e0009421.	0.3	4

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109	Siderophore production in Aeromona spp. Isolated from European eel, Anguilla anfuilla L.. Journal of Fish Diseases, 1991, 14, 423-427.	0.9	3
110	Potentially humanâ€virulentVibrio vulnificusisolates from diseased great pompano (Trachinotus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.3	3
111	Characterization of R-plasmids in environmental isolates ofsalmonella: Host range and stability. Current Microbiology, 1988, 17, 173-177.	1.0	2
112	Comparison of outer membrane protein profiles of Vibrio vulnificus biotypes 1 and 2. FEMS Microbiology Letters, 1993, 107, 217-222.	0.7	2
113	Role of iron in the pathogenicity of Vibrio damsela for fish and mammals. FEMS Microbiology Letters, 1994, 121, 181-188.	0.7	2
114	Method for Specific Identification of the Emerging Zoonotic Pathogen Vibrio vulnificus Lineage 3 (Formerly Biotype 3). Journal of Clinical Microbiology, 2021, 59, .	1.8	1
115	Ferric-reductase activities in Vibrio vulnificus biotypes 1 and 2. FEMS Microbiology Letters, 1999, 172, 205-211.	0.7	1
116	A Method of Transposon Insertion Sequencing in Comprehensively Identifying Vibrio vulnificus Genes Required for Growth in Human Serum. Methods in Molecular Biology, 2022, 2377, 159-178.	0.4	1
117	Cell envelope proteins of environmental Vibrio cholerae non O1 isolates from Albufera Lake (Valencia,) Tj ETQq1 1 0.784314 rgBT /Ov International Journal of Hygiene and Environmental Medicine, 1989, 189, 164-74.	0.1	1
118	A Transcriptomic Study Reveals That Fish Vibriosis Due to the Zoonotic Pathogen Vibrio vulnificus Is an Acute Inflammatory Disease in Which Erythrocytes May Play an Important Role. Frontiers in Microbiology, 2022, 13, 852677.	1.5	1