Costantino Vetriani

List of Publications by Year
in descending order

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48	3,088	172386	206029
papers	citations	29 h-index	48 g-index

52	52	52	3464
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Contribution of Aerobic Photoheterotrophic Bacteria to the Carbon Cycle in the Ocean. Science, 2001, 292, 2492-2495.	6.0	400
2	Population Structure and Phylogenetic Characterization of Marine Benthic Archaea in Deep-Sea Sediments. Applied and Environmental Microbiology, 1999, 65, 4375-4384.	1.4	399
3	Chemoautotrophy at Deep-Sea Vents: Past, Present, and Future. Oceanography, 2012, 25, 218-233.	0.5	161
4	Fingerprinting Microbial Assemblages from the Oxic/Anoxic Chemocline of the Black Sea. Applied and Environmental Microbiology, 2003, 69, 6481-6488.	1.4	154
5	Isolation and characterization of Erythrobacter sp. strains from the upper ocean. Archives of Microbiology, 2003, 180, 327-338.	1.0	149
6	Autotrophic CO2fixation via the reductive tricarboxylic acid cycle in different lineages within the phylum Aquificae: evidence for two ways of citrate cleavage. Environmental Microbiology, 2007, 9, 81-92.	1.8	139
7	Mercury Adaptation among Bacteria from a Deep-Sea Hydrothermal Vent. Applied and Environmental Microbiology, 2005, 71, 220-226.	1.4	109
8	Thermovibrio ammonificans sp. nov., a thermophilic, chemolithotrophic, nitrate-ammonifying bacterium from deep-sea hydrothermal vents. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 175-181.	0.8	97
9	Caminibacter mediatlanticus sp. nov., a thermophilic, chemolithoautotrophic, nitrate-ammonifying bacterium isolated from a deep-sea hydrothermal vent on the Mid-Atlantic Ridge. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 773-779.	0.8	91
10	Deep-sea hydrothermal vent Epsilonproteobacteria encode a conserved and widespread nitrate reduction pathway (Nap). ISME Journal, 2014, 8, 1510-1521.	4.4	86
11	Modified phage peptide libraries as a tool to study specificity of phosphorylation and recognition of tyrosine containing peptides 1 1Edited by J. Karn. Journal of Molecular Biology, 1997, 269, 694-703.	2.0	74
12	THE MESOZOIC RADIATION OF EUKARYOTIC ALGAE: THE PORTABLE PLASTID HYPOTHESIS¹. Journal of Phycology, 2003, 39, 259-267.	1.0	73
13	Recovery and phylogenetic analysis of archaeal rRNA sequences from continental shelf sediments. FEMS Microbiology Letters, 1998, 161, 83-88.	0.7	72
14	Sulfurovum riftiae sp. nov., a mesophilic, thiosulfate-oxidizing, nitrate-reducing chemolithoautotrophic epsilonproteobacterium isolated from the tube of the deep-sea hydrothermal vent polychaete Riftia pachyptila. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 2697-2701.	0.8	68
15	Diversity and phylogenetic analyses of bacteria from a shallow-water hydrothermal vent in Milos island (Greece). Frontiers in Microbiology, 2013, 4, 184.	1.5	61
16	Linking an Easily Detectable Phenotype to the Folding of a Common Structural Motif. Journal of Molecular Biology, 1994, 237, 378-387.	2.0	60
17	Vertical distribution and diversity of bacteria and archaea in sulfide and methane-rich cold seep sediments located at the base of the Florida Escarpment. Extremophiles, 2006, 10, 199-211.	0.9	59
18	Paleodictyon nodosum: A living fossil on the deep-sea floor. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 1700-1712.	0.6	56

#	Article	IF	Citations
19	From deep-sea volcanoes to human pathogens: a conserved quorum-sensing signal in Epsilonproteobacteria. ISME Journal, 2015, 9, 1222-1234.	4.4	55
20	Parvibaculum hydrocarboniclasticum sp. nov., a mesophilic, alkane-oxidizing alphaproteobacterium isolated from a deep-sea hydrothermal vent on the East Pacific Rise. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 2921-2926.	0.8	45
21	Pressureâ€induced thermostabilization of glutamate dehydrogenase from the hyperthermophile pyrococcus furiosus. Protein Science, 1999, 8, 1056-1063.	3.1	44
22	Culture dependent and independent analyses of 16S rRNA and ATP citrate lyase genes: a comparison of microbial communities from different black smoker chimneys on the Mid-Atlantic Ridge. Extremophiles, 2008, 12, 627-640.	0.9	44
23	The isolation and initial characterization of mercury resistant chemolithotrophic thermophilic bacteria from mercury rich geothermal springs. Extremophiles, 2007, 11, 469-479.	0.9	42
24	Eco-geochemical dynamics of a shallow-water hydrothermal vent system at Milos Island, Aegean Sea (Eastern Mediterranean). Chemical Geology, 2013, 356, 11-20.	1.4	41
25	Insight into the evolution of microbial metabolism from the deep-branching bacterium, Thermovibrio ammonificans. ELife, 2017, 6, .	2.8	40
26	Ammonificins A and B, Hydroxyethylamine Chroman Derivatives from a Cultured Marine Hydrothermal Vent Bacterium, Thermovibrio ammonificans. Journal of Natural Products, 2009, 72, 1216-1219.	1.5	37
27	Characterization and Function of the First Antibiotic Isolated from a Vent Organism: The Extremophile Metazoan Alvinella pompejana. PLoS ONE, 2014, 9, e95737.	1.1	36
28	Effect of tectonic processes on biosphereâ€“geosphere feedbacks across a convergent margin. Nature Geoscience, 2021, 14, 301-306.	5.4	32
29	Interrelationships Between Vent Fluid Chemistry, Temperature, Seismic Activity, and Biological Community Structure at a Mussel-Dominated, Deep-Sea Hydrothermal Vent Along the East Pacific Rise. Journal of Shellfish Research, 2008, 27, 177-190.	0.3	31
30	Hydrothermal Vent Mussel Habitat Chemistry, Pre- and Post-Eruption at 9Â°50â€²North on the East Pacific Rise. Journal of Shellfish Research, 2008, 27, 169-175.	0.3	29
31	Adaptation of chemosynthetic microorganisms to elevated mercury concentrations in deep-sea hydrothermal vents. Limnology and Oceanography, 2009, 54, 41-49.	1.6	27
32	Phylogenetic diversity of methanogenic, sulfate-reducing and methanotrophic prokaryotes from deep-sea hydrothermal vents and cold seeps. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 1665-1674.	0.6	27
33	Diversity and Distribution of Prokaryotes within a Shallow-Water Pockmark Field. Frontiers in Microbiology, 2016, 7, 941.	1.5	27
34	Microbial biofilms associated with fluid chemistry and megafaunal colonization at post-eruptive deep-sea hydrothermal vents. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 121, 31-40.	0.6	25
35	Ecological Succession of Sulfur-Oxidizing Epsilon- and Gammaproteobacteria During Colonization of a Shallow-Water Gas Vent. Frontiers in Microbiology, 2018, 9, 2970.	1.5	25
36	Phorcysia thermohydrogeniphila gen. nov., sp. nov., a thermophilic, chemolithoautotrophic, nitrate-ammonifying bacterium from a deep-sea hydrothermal vent. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 2388-2394.	0.8	20

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37	Bathymodiolamides A and B, Ceramide Derivatives from a Deep-Sea Hydrothermal Vent Invertebrate Mussel, Bathymodiolus thermophilus. Journal of Natural Products, 2011, 74, 842-846.	1.5	18
38	Draft genome sequence of Caminibacter mediatlanticus strain TB-2T, an epsilonproteobacterium isolated from a deep-sea hydrothermal vent. Standards in Genomic Sciences, 2011, 5, 135-143.	1.5	17
39	Detection and phylogenetic analysis of the membrane-bound nitrate reductase (Nar) in pure cultures and microbial communities from deep-sea hydrothermal vents. FEMS Microbiology Ecology, 2013, 86, 256-267.	1.3	17
40	Identity and mechanisms of alkane-oxidizing metalloenzymes from deep-sea hydrothermal vents. Frontiers in Microbiology, 2013, 4, 109.	1.5	16
41	Elemental sulfur reduction in the deepâ€sea vent thermophile, Thermovibrio ammonificans. Environmental Microbiology, 2018, 20, 2301-2316.	1.8	16
42	Single Cell Genomics-Based Analysis of Gene Content and Expression of Prophages in a Diffuse-Flow Deep-Sea Hydrothermal System. Frontiers in Microbiology, 2019, 10, 1262.	1.5	14
43	Metaproteogenomic Profiling of Chemosynthetic Microbial Biofilms Reveals Metabolic Flexibility During Colonization of a Shallow-Water Gas Vent. Frontiers in Microbiology, 2021, 12, 638300.	1.5	14
44	Impact of vitamin A transport and storage on intestinal retinoid homeostasis and functions. Journal of Lipid Research, 2021, 62, 100046.	2.0	13
45	Complete genome sequence of Thermovibrio ammonificans HB-1T, a thermophilic, chemolithoautotrophic bacterium isolated from a deep-sea hydrothermal vent. Standards in Genomic Sciences, 2012, 7, 82-90.	1.5	11
46	Trace elements and arsenic speciation in tissues of tube dwelling polychaetes from hydrothermal vent ecosystems (East Pacific Rise): An ecological role as antipredatory strategy?. Marine Environmental Research, 2017, 132, 1-13.	1.1	7
47	Microbial Biofilms Along a Geochemical Gradient at the Shallow-Water Hydrothermal System of Vulcano Island, Mediterranean Sea. Frontiers in Microbiology, 2022, 13, 840205.	1.5	6
48	From extreme environments to human pathogens: an evolutionary journey. Biochemist, 2017, 39, 4-9.	0.2	3