

Colleen M Cavanaugh

List of Publications by Year in descending order

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53
papers

3,988
citations

201575

27
h-index

214721

47
g-index

56
all docs

56
docs citations

56
times ranked

4437
citing authors

#	ARTICLE	IF	CITATIONS
1	Bias in Template-to-Product Ratios in Multitemplate PCR. <i>Applied and Environmental Microbiology</i> , 1998, 64, 3724-3730.	1.4	1,220
2	Symbiotic chemoautotrophic bacteria in marine invertebrates from sulphide-rich habitats. <i>Nature</i> , 1983, 302, 58-61.	13.7	388
3	Chemosynthetic endosymbioses: adaptations to oxic-anoxic interfaces. <i>Trends in Microbiology</i> , 2005, 13, 439-448.	3.5	193
4	A dual symbiosis shared by two mussel species, <i>Bathymodiolus azoricus</i> and <i>Bathymodiolus puteoserpentis</i> (Bivalvia: Mytilidae), from hydrothermal vents along the northern Mid-Atlantic Ridge. <i>Environmental Microbiology</i> , 2006, 8, 1441-1447.	1.8	179
5	Microbial Symbiosis: Patterns of Diversity in the Marine Environment. <i>American Zoologist</i> , 1994, 34, 79-89.	0.7	126
6	Expression of form I and form II Rubisco in chemoautotrophic symbioses: Implications for the interpretation of stable carbon isotope values. <i>Limnology and Oceanography</i> , 1995, 40, 1496-1502.	1.6	99
7	Marine Chemosynthetic Symbioses. , 2006, , 475-507.		96
8	Trophic ecology of massive shrimp aggregations at a Mid-Atlantic Ridge hydrothermal vent site. <i>Limnology and Oceanography</i> , 1998, 43, 1631-1638.	1.6	95
9	Evidence for Methylophilic Symbionts in a Hydrothermal Vent Mussel (<i>Bivalvia</i> : Mytilidae) from the Mid-Atlantic Ridge. <i>Applied and Environmental Microbiology</i> , 1992, 58, 3799-3803.	1.4	83
10	Kinetic isotope effect and characterization of form II RubisCO from the chemoautotrophic endosymbionts of the hydrothermal vent tubeworm <i>Riftia pachyptila</i> . <i>Limnology and Oceanography</i> , 2003, 48, 48-54.	1.6	82
11	Lateral Symbiont Acquisition in a Maternally Transmitted Chemosynthetic Clam Endosymbiosis. <i>Molecular Biology and Evolution</i> , 2008, 25, 673-687.	3.5	74
12	Low stable carbon isotope fractionation by coccolithophore RubisCO. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 7200-7207.	1.6	73
13	Symbiosis of Thioautotrophic Bacteria with <i>Riftia pachyptila</i> . , 2006, 41, 197-225.		68
14	Free-Living Tube Worm Endosymbionts Found at Deep-Sea Vents. <i>Applied and Environmental Microbiology</i> , 2008, 74, 3895-3898.	1.4	67
15	Off-axis symbiosis found: characterization and biogeography of bacterial symbionts of <i>Bathymodiolus</i> mussels from Lost City hydrothermal vents. <i>Environmental Microbiology</i> , 2006, 8, 1902-1912.	1.8	62
16	Bacterial endosymbioses in <i>Solemya</i> (Mollusca: Bivalvia) Model systems for studies of symbiont-host adaptation. <i>Antonie Van Leeuwenhoek</i> , 2006, 90, 343-360.	0.7	61
17	Intragenomic Variation and Evolution of the Internal Transcribed Spacer of the rRNA Operon in Bacteria. <i>Journal of Molecular Evolution</i> , 2007, 65, 44-67.	0.8	60
18	Diversity and Heterogeneity of Epibiotic Bacterial Communities on the Marine Nematode <i>Eubostrichus diana</i> . <i>Applied and Environmental Microbiology</i> , 1999, 65, 4271-4275.	1.4	57

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19	Dynamics of the Microbiota in Response to Host Infection. PLoS ONE, 2014, 9, e95534.	1.1	52
20	Characterization and site description of <i>Solemya borealis</i> (Bivalvia; Solemyidae), another bivalve-bacteria symbiosis. Marine Biology, 1992, 112, 601-613.	0.7	51
21	Influence of form IA RubisCO and environmental dissolved inorganic carbon on the delta13C of the clam-chemoautotroph symbiosis <i>Solemya velum</i> . Environmental Microbiology, 2004, 6, 1210-1219.	1.8	50
22	Metapangenomics of the oral microbiome provides insights into habitat adaptation and cultivar diversity. Genome Biology, 2020, 21, 293.	3.8	46
23	Cloning and Sequencing of a Form II Ribulose-1,5-Bisphosphate Carboxylase/Oxygenase from the Bacterial Symbiont of the Hydrothermal Vent Tubeworm <i>Riftia pachyptila</i> . Journal of Bacteriology, 1998, 180, 1596-1599.	1.0	42
24	Metatranscriptomic Analysis of Sulfur Oxidation Genes in the Endosymbiont of <i>Solemya Velum</i> . Frontiers in Microbiology, 2011, 2, 134.	1.5	41
25	The Methanol Dehydrogenase Gene, <i>mxoF</i> , as a Functional and Phylogenetic Marker for Proteobacterial Methanotrophs in Natural Environments. PLoS ONE, 2013, 8, e56993.	1.1	36
26	Evidence for Homologous Recombination in Intracellular Chemosynthetic Clam Symbionts. Molecular Biology and Evolution, 2009, 26, 1391-1404.	3.5	35
27	Mixed transmission modes and dynamic genome evolution in an obligate animal-bacterial symbiosis. ISME Journal, 2017, 11, 1359-1371.	4.4	35
28	Host phylogeny, diet, and habitat differentiate the gut microbiomes of Darwin's finches on Santa Cruz Island. Scientific Reports, 2019, 9, 18781.	1.6	35
29	The saccharibacterium TM7x elicits differential responses across its host range. ISME Journal, 2020, 14, 3054-3067.	4.4	35
30	Metagenomic investigation of vestimentiferan tubeworm endosymbionts from Mid-Cayman Rise reveals new insights into metabolism and diversity. Microbiome, 2018, 6, 19.	4.9	32
31	16S rRNA Phylogenetic Investigation of the Candidate Division <i>Korarchaeota</i> . Applied and Environmental Microbiology, 2006, 72, 5077-5082.	1.4	31
32	Intrahost Genetic Diversity of Bacterial Symbionts Exhibits Evidence of Mixed Infections and Recombinant Haplotypes. Molecular Biology and Evolution, 2017, 34, 2747-2761.	3.5	31
33	Characterization and expression of genes from the RubisCO gene cluster of the chemoautotrophic symbiont of <i>Solemya velum</i> : <i>cbbLSQO</i> . Archives of Microbiology, 2004, 182, 18-29.	1.0	26
34	Pyrosequencing analysis of endosymbiont population structure: occurrence of divergent symbiont lineages in a single vesicomyid host clam. Environmental Microbiology, 2009, 11, 2136-2147.	1.8	26
35	The genome of the intracellular bacterium of the coastal bivalve, <i>Solemya velum</i> : a blueprint for thriving in and out of symbiosis. BMC Genomics, 2014, 15, 924.	1.2	26
36	The curious consistency of carbon biosignatures over billions of years of Earth-life coevolution. ISME Journal, 2021, 15, 2183-2194.	4.4	26

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37	Symbioses of Methanotrophs and Deep-Sea Mussels (Mytilidae: Bathymodiolinae). , 2006, 41, 227-249.		25
38	Evidence for horizontal transmission from multilocus phylogeny of deep-sea mussel (<sc>M</sc>ytilidae) symbionts. Environmental Microbiology, 2014, 16, 3608-3621.	1.8	24
39	CO ₂ Uptake and Fixation by Endosymbiotic Chemoautotrophs from the Bivalve <i>Solemya velum</i> . Applied and Environmental Microbiology, 2007, 73, 1174-1179.	1.4	23
40	16S rRNA phylogenetic analysis and quantification of Korarchaeota indigenous to the hot springs of Kamchatka, Russia. Extremophiles, 2011, 15, 105-116.	0.9	23
41	Marine Chemosynthetic Symbioses. , 2013, , 579-607.		23
42	Consequences of nitrogen fertilization on soil methane consumption in a productive temperate deciduous forest. Biology and Fertility of Soils, 2005, 41, 182-189.	2.3	21
43	Isotope discrimination by form IC RubisCO from <i>Ralstonia eutropha</i> and <i>Rhodobacter sphaeroides</i> , metabolically versatile members of <i>Proteobacteria</i> ™ from aquatic and soil habitats. Environmental Microbiology, 2019, 21, 72-80.	1.8	19
44	CO ₂ Fixation in Chemoautotroph-Invertebrate Symbioses: Expression of Form I and Form II RubisCO. , 1996, , 285-292.		18
45	An inter-island comparison of Darwin's finches reveals the impact of habitat, host phylogeny, and island on the gut microbiome. PLoS ONE, 2019, 14, e0226432.	1.1	14
46	Longitudinal microbiome profiling reveals impermanence of probiotic bacteria in domestic pigeons. PLoS ONE, 2019, 14, e0217804.	1.1	12
47	Shedding light: a phylotranscriptomic perspective illuminates the origin of photosymbiosis in marine bivalves. BMC Evolutionary Biology, 2020, 20, 50.	3.2	11
48	Genetic Subdivision of Chemosynthetic Endosymbionts of <i>Solemya velum</i> along the Southern New England Coast. Applied and Environmental Microbiology, 2009, 75, 6005-6007.	1.4	8
49	Phylogenetic Characterization of Episymbiotic Bacteria Hosted by a Hydrothermal Vent Limpet (Lepetodrilidae, Vetigastropoda). Biological Bulletin, 2011, 220, 118-127.	0.7	8
50	The effect of coral restoration on Caribbean reef fish communities. Marine Biology, 2017, 164, 1.	0.7	7
51	Diverse Legionella-Like Bacteria Associated with Testate Amoebae of the Genus <i>Arcella</i> (Arcellinida:) Tj ETQq1 1 0,784314 rgBT /Over		7
52	Exploring the protist microbiome: The diversity of bacterial communities associated with <i>Arcella</i> spp. (Tubulina: Amoebozoa). European Journal of Protistology, 2022, 82, 125861.	0.5	3
53	On the Past, Present, and Future Role of Biology in NASA's Exploration of our Solar System. , 2021, 53, .		0