John A Fuerst

List of Publications by Year
in descending order

98 papers	8,309 citations	76326 40 h-index	48315 88 g-index
106 all docs	106 docs citations	106 times ranked	5790 citing authors

#	Article	IF	Citations
1	Editorial: Structure, Function and Evolution of Complex Cellular Organization in Bacteria and Archaea. Frontiers in Microbiology, 2021, 12, 751416.	3.5	0
2	Microbial Evolution: Chlamydial Creatures fromÂthe Deep. Current Biology, 2020, 30, R267-R269.	3.9	0
3	Paralogization and New Protein Architectures in Planctomycetes Bacteria with Complex Cell Structures. Molecular Biology and Evolution, 2020, 37, 1020-1040.	8.9	6
4	Phylum Verrucomicrobia. , 2019, , 551-551.		3
5	Production of N -acyl homoserine lactones by the sponge-associated marine actinobacteria Salinispora arenicola and Salinispora pacifica. FEMS Microbiology Letters, 2017, 364, fnx002.	1.8	21
6	Ancient, highly conserved proteins from a LUCA with complex cell biology provide evidence in support of the nuclear compartment commonality (NuCom) hypothesis. Research in Microbiology, 2017, 168, 395-412.	2.1	9
7	Planctomycetesâ€"New Models for Microbial Cells and Activities. , 2017, , 1-27.		16
8	Tuwongella immobilis gen. nov., sp. nov., a novel non-motile bacterium within the phylum Planctomycetes. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 4923-4929.	1.7	25
9	Nuclear Pore-Like Structures in a Compartmentalized Bacterium. PLoS ONE, 2017, 12, e0169432.	2.5	24
10	LC-MS-Based Metabolomics Study of Marine Bacterial Secondary Metabolite and Antibiotic Production in Salinispora arenicola. Marine Drugs, 2015, 13, 249-266.	4.6	45
11	Microorganismsâ€"A Journal and a Unifying Concept for the Science of Microbiology. Microorganisms, 2014, 2, 140-146.	3.6	2
12	Two Peptides, Cycloaspeptide A and Nazumamide A from a Sponge Associated Marine Actinobacterium Salinispora sp. Natural Product Communications, 2014, 9, 1934578X1400900.	0.5	10
13	Bacterial production of the fungusâ€derived cholesterolâ€lowering agent mevinolin. Biomedical Chromatography, 2014, 28, 1163-1166.	1.7	8
14	Effects of salinity on antibiotic production in sponge-derived Salinispora actinobacteria. Journal of Applied Microbiology, 2014, 117, 109-125.	3.1	19
15	Bioinformatic analyses of integral membrane transport proteins encoded within the genome of the planctomycetes species, Rhodopirellula baltica. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 193-215.	2.6	14
16	Towards understanding the molecular mechanism of the endocytosis-like process in the bacterium Gemmata obscuriglobus. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 1732-1738.	4.1	9
17	Diversity and biotechnological potential of microorganisms associated with marine sponges. Applied Microbiology and Biotechnology, 2014, 98, 7331-7347.	3.6	41
18	Structural Studies of Planctomycete Gemmata obscuriglobus Support Cell Compartmentalisation in a Bacterium. PLoS ONE, 2014, 9, e91344.	2.5	42

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19	Discovering the Recondite Secondary Metabolome Spectrum of Salinispora Species: A Study of Inter-Species Diversity. PLoS ONE, 2014, 9, e91488.	2.5	33
20	Two peptides, cycloaspeptide A and nazumamide A from a sponge associated marine actinobacterium Salinispora sp. Natural Product Communications, 2014, 9, 545-6.	0.5	7
21	Developmental cycle and pharmaceutically relevant compounds of Salinispora actinobacteria isolated from Great Barrier Reef marine sponges. Applied Microbiology and Biotechnology, 2013, 97, 3097-3108.	3.6	13
22	The PVC superphylum: exceptions to the bacterial definition?. Antonie Van Leeuwenhoek, 2013, 104, 451-466.	1.7	44
23	Nested Bacterial Boxes: Nuclear and Other Intracellular Compartments in Planctomycetes. Journal of Molecular Microbiology and Biotechnology, 2013, 23, 95-103.	1.0	20
24	Isolation and diversity of planctomycetes from the sponge Niphates sp., seawater, and sediment of Moreton Bay, Australia. Antonie Van Leeuwenhoek, 2013, 104, 533-546.	1.7	35
25	Microorganismsâ€"A Forum for Understanding Microbial Life in All Its Forms. Microorganisms, 2013, 1, 1-2.	3.6	1
26	Planctomycetes: Their Evolutionary Implications for Models for Origins of Eukaryotes and the Eukaryote Nucleus and Endomembranes. , 2013, , 243-270.		0
27	A Final Word: The Future of Planctomycetology and Related Studies. , 2013, , 271-273.		0
28	Cell Compartmentalization and Endocytosis in Planctomycetes: Structure and Function in Complex Bacteria. , 2013, , 39-75.		0
29	Keys to eukaryality: Planctomycetes and ancestral evolution of cellular complexity. Frontiers in Microbiology, 2012, 3, 167.	3.5	43
30	Electron tomography of the nucleoid of Gemmata obscuriglobus reveals complex liquid crystalline cholesteric structure. Frontiers in Microbiology, 2012, 3, 326.	3.5	15
31	Immersing undergraduate students in the research experience. Biochemistry and Molecular Biology Education, 2012, 40, 37-45.	1.2	9
32	Diversity and distribution of the bioactive actinobacterial genus Salinispora from sponges along the Great Barrier Reef. Antonie Van Leeuwenhoek, 2012, 101, 603-618.	1.7	21
33	Beyond the bacterium: planctomycetes challenge our concepts of microbial structure and function. Nature Reviews Microbiology, 2011, 9, 403-413.	28.6	410
34	Making heads or tails of the HU proteins in the planctomycete Gemmata obscuriglobus. Microbiology (United Kingdom), 2011, 157, 2012-2021.	1.8	8
35	Microbial diversity beyond E. coli: new microbial worlds, new concepts in biology. Microbiology Australia, 2011, 32, 73.	0.4	0
36	Diversity of Mycobacterium species from marine sponges and their sensitivity to antagonism by sponge-derived rifamycin-synthesizing actinobacterium in the genus Salinispora. FEMS Microbiology Letters, 2010, 313, 33-40.	1.8	20

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37	Intracellular localization of membraneâ€bound ATPases in the compartmentalized anammox bacterium â€˜Candidatus Kuenenia stuttgartiensisâ€™. Molecular Microbiology, 2010, 77, 701-715.	2.5	71
38	Reclassification of the polyphyletic genus Prosthecomicrobium to form two novel genera, Vasilyevaea gen. nov. and Bauldia gen. nov. with four new combinations: Vasilyevaea enhydra comb. nov., Vasilyevaea mishustinii comb. nov., Bauldia consociata comb. nov. and Bauldia litoralis comb. nov.. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 2960-2966.	1.7	52
39	Endocytosis-like protein uptake in the bacterium Gemmata obscuriglobus. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12883-12888.	7.1	210
40	Protein uptake by bacteria. Communicative and Integrative Biology, 2010, 3, 572-575.	1.4	33
41	Microbiological material exchanges among scientists. Research in Microbiology, 2010, 161, 446-452.	2.1	7
42	Widespread Distribution of Poribacteria in Demospongiae. Applied and Environmental Microbiology, 2009, 75, 5695-5699.	3.1	60
43	Phylum Verrucomicrobia representatives share a compartmentalized cell plan with members of bacterial phylum Planctomycetes. BMC Microbiology, 2009, 9, 5.	3.3	120
44	The cell cycle of the planctomycete Gemmata obscuriglobus with respect to cell compartmentalization. BMC Cell Biology, 2009, 10, 4.	3.0	61
45	Cell division ring, a new cell division protein and vertical inheritance of a bacterial organelle in anammox planctomycetes. Molecular Microbiology, 2009, 73, 1009-1019.	2.5	53
46	Linking Ultrastructure and Function in Four Genera of Anaerobic Ammonium-Oxidizing Bacteria: Cell Plan, Glycogen Storage, and Localization of Cytochrome c Proteins. Journal of Bacteriology, 2008, 190, 708-717.	2.2	163
47	Screening of rifamycin producing marine sponge bacteria by LCâ€“MSâ€“MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 852, 362-366.	2.3	14
48	Close relationship of RNase P RNA in Gemmata and anammox planctomycete bacteria. FEMS Microbiology Letters, 2007, 268, 244-253.	1.8	5
49	A canonical FtsZ protein in Verrucomicrobium spinosum, a member of the Bacterial phylum Verrucomicrobia that also includes tubulin-producing Prosthecobacter species. BMC Evolutionary Biology, 2007, 7, 37.	3.2	18
50	Candidatus â€œAnammoxoglobus propionicusâ€•a new propionate oxidizing species of anaerobic ammonium oxidizing bacteria. Systematic and Applied Microbiology, 2007, 30, 39-49.	2.8	511
51	The Order Planctomycetales, Including the Genera Planctomyces, Pirellula, Gemmata and Isosphaera and the Candidatus Genera Brocadia, Kuenenia and Scalindua. , 2006, , 757-793.		63
52	Discovery of a New Source of Rifamycin Antibiotics in Marine Sponge Actinobacteria by Phylogenetic Prediction. Applied and Environmental Microbiology, 2006, 72, 2118-2125.	3.1	128
53	Membrane-bounded Nucleoids and Pirellulosomes of Planctomycetes. Microbiology Monographs, 2006, , 229-257.	0.6	2
54	Diversity of polyketide synthase genes from bacteria associated with the marine sponge Pseudoceratina clavata: cultureâ€dependent and cultureâ€independent approaches. Environmental Microbiology, 2006, 8, 1460-1470.	3.8	78

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55	Anammoxosomes of Anaerobic Ammonium-oxidizing Planctomycetes. Microbiology Monographs, 2006, , 259-283.	0.6	10
56	Marine actinomycetes related to the 'Salinospora' group from the Great Barrier Reef sponge Pseudoceratina clavata. Environmental Microbiology, 2005, 7, 509-518.	3.8	123
57	Culturable Bacterial Symbionts Isolated from Two Distinct Sponge Species (Pseudoceratina clavata) Tj ETQq1 1 0.784314 rgBT /Overlo Microbial Ecology, 2005, 50, 213-220.	2.8	56
58	INTRACELLULAR COMPARTMENTATION IN PLANCTOMYCETES. Annual Review of Microbiology, 2005, 59, 299-328.	7.3	256
59	Comparative analysis of ribonuclease P RNA of the planctomycetes. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 1333-1344.	1.7	14
60	Novel protein domains and motifs in the marine planctomycete Rhodopirellula baltica. FEMS Microbiology Letters, 2004, 236, 333-340.	1.8	25
61	The anammoxosome: an intracytoplasmic compartment in anammox bacteria. FEMS Microbiology Letters, 2004, 233, 7-13.	1.8	243
62	Buds from the tree of life: linking compartmentalized prokaryotes and eukaryotes by a non-hyperthermophile common ancestor and implications for understanding Archaean microbial communities. International Journal of Astrobiology, 2004, 3, 183-187.	1.6	7
63	The occurrence of hopanoids in planctomycetes: implications for the sedimentary biomarker record. Organic Geochemistry, 2004, 35, 561-566.	1.8	179
64	Novel Compartmentalistaion in Planctomycete Bacteria. Microscopy and Microanalysis, 2004, 10, 1528-1529.	0.4	0
65	Novel protein domains and motifs in the marine planctomycete Rhodopirellula baltica. FEMS Microbiology Letters, 2004, 236, 333-340.	1.8	15
66	Anaerobic ammonium oxidation by marine and freshwater planctomycete-like bacteria. Applied Microbiology and Biotechnology, 2003, 63, 107-114.	3.6	156
67	Candidatus â€œScalindua brodaeâ€ sp. nov., Candidatus â€œScalindua wagneriâ€ sp. nov., Two New Species of Anaerobic Ammonium Oxidizing Bacteria. Systematic and Applied Microbiology, 2003, 26, 529-538.	2.8	535
68	New concepts of microbial treatment processes for the nitrogen removal in wastewater. FEMS Microbiology Reviews, 2003, 27, 481-492.	8.6	407
69	Isolation of Gemmata -Like and Isosphaera -Like Planctomycete Bacteria from Soil and Freshwater. Applied and Environmental Microbiology, 2002, 68, 417-422.	3.1	110
70	Gene discovery within the planctomycete division of the domain Bacteria using sequence tags from genomic DNA libraries. Genome Biology, 2002, 3, research0031.1.	9.6	28
71	Improved nitrogen removal by application of new nitrogen-cycle bacteria. Reviews in Environmental Science and Biotechnology, 2002, 1, 51-63.	8.1	88
72	The anammox case-a new experimental manifesto for microbiological eco-physiology. Antonie Van Leeuwenhoek, 2002, 81, 693-702.	1.7	89

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73	Molecular and ultrastructural confirmation of classification of ATCC 35122 as a strain of Pirellula staleyi.. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 1663-1667.	1.7	13
74	Cell compartmentalisation in planctomycetes: novel types of structural organisation for the bacterial cell. Archives of Microbiology, 2001, 175, 413-429.	2.2	334
75	Phylogenetic Analysis of Evolutionary Relationships of the Planctomycete Division of the Domain Bacteria Based on Amino Acid Sequences of Elongation Factor Tu. Journal of Molecular Evolution, 2001, 52, 405-418.	1.8	35
76	Microbiology and application of the anaerobic ammonium oxidation (â€˜anammoxâ€™) process. Current Opinion in Biotechnology, 2001, 12, 283-288.	6.6	534
77	Microorganisms Should Be High on DNA Preservation List. , 2000, 290, 1503b-1503.		10
78	Missing lithotroph identified as new planctomycete. Nature, 1999, 400, 446-449.	27.8	1,382
79	Membrane-bounded nucleoids in microbial symbionts of marine sponges. FEMS Microbiology Letters, 1998, 166, 29-34.	1.8	27
80	Membrane-bounded nucleoids in microbial symbionts of marine sponges. FEMS Microbiology Letters, 1998, 166, 29-34.	1.8	3
81	Pirellulosomes: a new type of membrane-bounded cell compartment in planctomycete bacteria of the genus Pirellula. Microbiology (United Kingdom), 1997, 143, 739-748.	1.8	112
82	Isolation and molecular identification of planctomycete bacteria from postlarvae of the giant tiger prawn, Penaeus monodon. Applied and Environmental Microbiology, 1997, 63, 254-262.	3.1	84
83	Effects of fixative and buffer on morphology and ultrastructure of a freshwater planctomycete, Gemmata obscuriglobus. Journal of Microbiological Methods, 1995, 21, 45-54.	1.6	27
84	A Phylogenetic Analysis of the Genus Blastobacter with a View to its Future Reclassification. Systematic and Applied Microbiology, 1994, 17, 51-57.	2.8	25
85	Phylogenetic Analysis of Bradyrhizobium japonicum and Photosynthetic Stem-Nodulating Bacteria from Aeschynomene Species Grown in Separated Geographical Regions. Applied and Environmental Microbiology, 1994, 60, 940-946.	3.1	63
86	Heterotrophic bacteria in an air-handling system. Applied and Environmental Microbiology, 1992, 58, 3914-3920.	3.1	67
87	Membrane-bounded nucleoid in the eubacterium Gemmatata obscuriglobus.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 8184-8188.	7.1	168
88	Isolation of a bacterium resembling Pirellula species from primary tissue culture of the giant tiger prawn (Penaeus monodon). Applied and Environmental Microbiology, 1991, 57, 3127-3134.	3.1	36
89	Heterogeneity, persistence, and distribution of Pseudomonas aeruginosa genotypes in cystic fibrosis patients. Journal of Clinical Microbiology, 1991, 29, 2151-2157.	3.9	35
90	Inhibition of growth ofLegionella species by heterotrophic plate count bacteria isolated from chlorinated drinking water. Current Microbiology, 1990, 21, 139-143.	2.2	48

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91	Phenotypic conversion of Pseudomonas aeruginosa in cystic fibrosis. Journal of Clinical Microbiology, 1990, 28, 1143-1146.	3.9	68
92	Demonstration of lipopolysaccharide on sheathed flagella of Vibrio cholerae O:1 by protein A-gold immunoelectron microscopy. Journal of Bacteriology, 1988, 170, 1488-1494.	2.2	90
93	Reanalysis of 5S rRNA sequence data for the Vibrionaceae with the clustan program suite. Current Microbiology, 1987, 15, 329-335.	2.2	17
94	Negative staining of freshwater bacterioneuston sampled directly with electron microscope specimen support grids. Microbial Ecology, 1987, 13, 219-228.	2.8	5
95	A comparison of five methods for assaying bacterial hydrophobicity. Journal of Microbiological Methods, 1986, 6, 13-19.	1.6	95
96	The Definition of Molecular Biology and the Definition of Policy: The Role of the Rockefeller Foundation's Policy for Molecular Biology. Social Studies of Science, 1984, 14, 225-237.	2.5	13
97	The Role of Reductionism in the Development of Molecular Biology: Peripheral or Central?. Social Studies of Science, 1982, 12, 241-278.	2.5	15
98	Bacterial sheathed flagella and the rotary motor model for the mechanism of bacterial motility. Journal of Theoretical Biology, 1980, 84, 761-774.	1.7	16