

# Tony Gutierrez

## List of Publications by Year in descending order

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85  
papers

4,285  
citations

126858

33  
h-index

114418

63  
g-index

90  
all docs

90  
docs citations

90  
times ranked

4679  
citing authors

#	ARTICLE	IF	CITATIONS
1	Marine hydrocarbon-degrading bacteria: their role and application in oil-spill response and enhanced oil recovery. , 2022, , 591-600.		3
2	Priorities to inform research on marine plastic pollution in Southeast Asia. Science of the Total Environment, 2022, 841, 156704.	3.9	25
3	Integrating micro-algae into wastewater treatment: A review. Science of the Total Environment, 2021, 752, 142168.	3.9	375
4	Specific enrichment of hydrocarbonclastic bacteria from diesel-amended soil on biochar particles. Science of the Total Environment, 2021, 762, 143084.	3.9	9
5	Biosurfactants and Their Applications in the Oil and Gas Industry: Current State of Knowledge and Future Perspectives. Frontiers in Bioengineering and Biotechnology, 2021, 9, 626639.	2.0	83
6	Toxicity Profiling of Biosurfactants Produced by Novel Marine Bacterial Strains. International Journal of Molecular Sciences, 2021, 22, 2383.	1.8	24
7	Inter- and Intra-Annual Bacterioplankton Community Patterns in a Deepwater Sub-Arctic Region: Persistent High Background Abundance of Putative Oil Degraders. MBio, 2021, 12, .	1.8	10
8	Recent advances in biochar engineering for soil contaminated with complex chemical mixtures: Remediation strategies and future perspectives. Science of the Total Environment, 2021, 767, 144351.	3.9	72
9	Detection of hydrocarbon-degrading bacteria on deepwater corals of the northeast Atlantic using CARD-FISH. Journal of Microbiological Methods, 2021, 187, 106277.	0.7	3
10	Response and oil degradation activities of a northeast Atlantic bacterial community to biogenic and synthetic surfactants. Microbiome, 2021, 9, 191.	4.9	16
11	Exploration of marine bacterioplankton community assembly mechanisms during chemical dispersant and surfactantâ€assisted oil biodegradation. Ecology and Evolution, 2021, 11, 13862-13874.	0.8	7
12	Comparative Proteomics of Marinobacter sp. TT1 Reveals Corexit Impacts on Hydrocarbon Metabolism, Chemotactic Motility, and Biofilm Formation. Microorganisms, 2021, 9, 3.	1.6	11
13	Effect of pot-ale enrichment on the treatment efficiency of primary settled wastewater by the microalga Chlorella vulgaris. Journal of Cleaner Production, 2021, 327, 129436.	4.6	4
14	Production and characterisation of a marine Halomonas surface-active exopolymer. Applied Microbiology and Biotechnology, 2020, 104, 1063-1076.	1.7	16
15	Starvation-Dependent Inhibition of the Hydrocarbon Degradar Marinobacter sp. TT1 by a Chemical Dispersant. Journal of Marine Science and Engineering, 2020, 8, 925.	1.2	12
16	Hydrocarbon-Degrading Bacteria Found Tightly Associated with the 50â€“70 Î¼m Cell-Size Population of Eukaryotic Phytoplankton in Surface Waters of a Northeast Atlantic Region. Microorganisms, 2020, 8, 1955.	1.6	10
17	Uncovering Microbial Hydrocarbon Degradation Processes: The Promise of Stable Isotope Probing. Springer Oceanography, 2020, , 183-199.	0.2	2
18	Biosynthesis of rhamnolipid by a Marinobacter species expands the paradigm of biosurfactant synthesis to a new genus of the marine microflora. Microbial Cell Factories, 2019, 18, 164.	1.9	51

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19	Chemical Dispersant Enhances Microbial Exopolymer (EPS) Production and Formation of Marine Oil/Dispersant Snow in Surface Waters of the Subarctic Northeast Atlantic. <i>Frontiers in Microbiology</i> , 2019, 10, 553.	1.5	11
20	Effect of bioaugmentation on long-term biodegradation of diesel/biodiesel blends in soil microcosms. <i>Science of the Total Environment</i> , 2019, 671, 948-958.	3.9	43
21	Use of Microorganisms in the Recovery of Oil From Recalcitrant Oil Reservoirs: Current State of Knowledge, Technological Advances and Future Perspectives. <i>Frontiers in Microbiology</i> , 2019, 10, 2996.	1.5	96
22	Occurrence and Roles of the Obligate Hydrocarbonoclastic Bacteria in the Ocean When There Is No Obvious Hydrocarbon Contamination. , 2019, , 337-352.		7
23	Marine, Aerobic Hydrocarbon-Degrading Gammaproteobacteria: Overview. , 2019, , 143-152.		9
24	Aerobic Hydrocarbon-Degrading Gammaproteobacteria: Porticoccus. , 2019, , 181-189.		5
25	Aerobic Hydrocarbon-Degrading Gammaproteobacteria: Xanthomonadales. , 2019, , 191-205.		7
26	Surfactants from the sea: rhamnolipid production by marine bacteria. <i>Access Microbiology</i> , 2019, 1, .	0.2	12
27	Agglomeration of nano- and microplastic particles in seawater by autochthonous and de novo-produced sources of exopolymeric substances. <i>Marine Pollution Bulletin</i> , 2018, 130, 258-267.	2.3	137
28	Current status of deepwater oil spill modelling in the Faroe-Shetland Channel, Northeast Atlantic, and future challenges. <i>Marine Pollution Bulletin</i> , 2018, 127, 484-504.	2.3	11
29	Taxonomy, ecology and biotechnological applications of thraustochytrids: A review. <i>Biotechnology Advances</i> , 2018, 36, 26-46.	6.0	141
30	Occurrence and Roles of the Obligate Hydrocarbonoclastic Bacteria in the Ocean When There Is No Obvious Hydrocarbon Contamination. , 2018, , 1-17.		3
31	Editorial: Microbial Exopolymers: Sources, Chemico-Physiological Properties, and Ecosystem Effects in the Marine Environment. <i>Frontiers in Microbiology</i> , 2018, 9, 1822.	1.5	17
32	Hydrocarbon-degradation and MOS-formation capabilities of the dominant bacteria enriched in sea surface oil slicks during the Deepwater Horizon oil spill. <i>Marine Pollution Bulletin</i> , 2018, 135, 205-215.	2.3	29
33	Identification and characterisation of short chain rhamnolipid production in a previously uninvestigated, non-pathogenic marine pseudomonad. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8537-8549.	1.7	45
34	Visualisation of the obligate hydrocarbonoclastic bacteria <i>Polycyclovorans algicola</i> and <i>Algiphilus aromaticivorans</i> in co-cultures with micro-algae by CARD-FISH. <i>Journal of Microbiological Methods</i> , 2018, 152, 73-79.	0.7	14
35	Effect of organic carbon enrichment on the treatment efficiency of primary settled wastewater by <i>Chlorella vulgaris</i> . <i>Algal Research</i> , 2017, 24, 368-377.	2.4	42
36	Screening of new British thraustochytrids isolates for docosahexaenoic acid (DHA) production. <i>Journal of Applied Phycology</i> , 2017, 29, 2831-2843.	1.5	36

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37	Enhanced crude oil biodegradative potential of natural phytoplankton-associated hydrocarbonoclastic bacteria. <i>Environmental Microbiology</i> , 2017, 19, 2843-2861.	1.8	47
38	Genome Sequence of <i>Roseovarius</i> sp. Strain MCTG156(2b) Isolated from a Phytoplankton Net Trawl on the Scottish West Coast. <i>Genome Announcements</i> , 2017, 5, .	0.8	1
39	Role of EPS, Dispersant and Nutrients on the Microbial Response and MOS Formation in the Subarctic Northeast Atlantic. <i>Frontiers in Microbiology</i> , 2017, 8, 676.	1.5	36
40	Evaluating the Detection of Hydrocarbon-Degrading Bacteria in 16S rRNA Gene Sequencing Surveys. <i>Frontiers in Microbiology</i> , 2017, 8, 896.	1.5	25
41	Microbial Extracellular Polymeric Substances (EPSs) in Ocean Systems. <i>Frontiers in Microbiology</i> , 2017, 8, 922.	1.5	457
42	Genome Sequence of <i>Oceanicola</i> sp. Strain MCTG156(1a), Isolated from a Scottish Coastal Phytoplankton Net Sample. <i>Genome Announcements</i> , 2017, 5, .	0.8	3
43	Aerobic Hydrocarbon-Degrading Gammaproteobacteria: <i>Porticoccus</i> . , 2017, , 1-9.		1
44	Marine, Aerobic Hydrocarbon-Degrading Gammaproteobacteria: Overview. , 2017, , 1-10.		9
45	Development of a group-specific 16S rRNA-targeted probe set for the identification of <i>Marinobacter</i> by fluorescence in situ hybridization. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 129, 360-367.	0.6	13
46	Pulsed blooms and persistent oil-degrading bacterial populations in the water column during and after the Deepwater Horizon blowout. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 129, 282-291.	0.6	111
47	Enrichment of <i>Fusobacteria</i> in Sea Surface Oil Slicks from the Deepwater Horizon Oil Spill. <i>Microorganisms</i> , 2016, 4, 24.	1.6	23
48	Genome Sequence of <i>Arenibacter algicola</i> Strain TG409, a Hydrocarbon-Degrading Bacterium Associated with Marine Eukaryotic Phytoplankton. <i>Genome Announcements</i> , 2016, 4, .	0.8	8
49	Microbial hitchhikers on marine plastic debris: Human exposure risks at bathing waters and beach environments. <i>Marine Environmental Research</i> , 2016, 118, 10-19.	1.1	259
50	Genome Sequence of <i>Marinobacter</i> sp. Strain MCTG268 Isolated from the Cosmopolitan Marine Diatom <i>Skeletonema costatum</i> . <i>Genome Announcements</i> , 2016, 4, .	0.8	1
51	Effect of organic carbon enrichment on the treatment efficiency of primary settled wastewater by <i>Chlorella vulgaris</i> . <i>New Biotechnology</i> , 2016, 33, S56.	2.4	0
52	Reconstructing metabolic pathways of hydrocarbon-degrading bacteria from the Deepwater Horizon oil spill. <i>Nature Microbiology</i> , 2016, 1, 16057.	5.9	173
53	Response of the bacterial community associated with a cosmopolitan marine diatom to crude oil shows a preference for the biodegradation of aromatic hydrocarbons. <i>Environmental Microbiology</i> , 2016, 18, 1817-1833.	1.8	68
54	Surface-active biopolymers from marine bacteria for potential biotechnological applications. <i>AIMS Microbiology</i> , 2016, 2, 92-107.	1.0	12

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55	Cultivation-dependent and cultivation-independent characterization of hydrocarbon-degrading bacteria in Guaymas Basin sediments. <i>Frontiers in Microbiology</i> , 2015, 6, 695.	1.5	29
56	Genome Sequence of Polycyclovorans <i>algicola</i> Strain TG408, an Obligate Polycyclic Aromatic Hydrocarbon-Degrading Bacterium Associated with Marine Eukaryotic Phytoplankton. <i>Genome Announcements</i> , 2015, 3, .	0.8	4
57	Isolation of Glycoprotein Bioemulsifiers Produced by Marine Bacteria. <i>Springer Protocols</i> , 2015, , 61-74.	0.1	1
58	Genome Sequence of <i>Porticoccus hydrocarbonoclasticus</i> Strain MCTG13d, an Obligate Polycyclic Aromatic Hydrocarbon-Degrading Bacterium Associated with Marine Eukaryotic Phytoplankton. <i>Genome Announcements</i> , 2015, 3, .	0.8	9
59	Genome Sequence of <i>Halomonas</i> sp. Strain MCTG39a, a Hydrocarbon-Degrading and Exopolymeric Substance-Producing Bacterium. <i>Genome Announcements</i> , 2015, 3, .	0.8	6
60	DNA-based stable isotope probing coupled with cultivation methods implicates Methylophaga in hydrocarbon degradation. <i>Frontiers in Microbiology</i> , 2014, 5, 76.	1.5	38
61	Polycyclic Aromatic Hydrocarbon Degradation of Phytoplankton-Associated <i>Arenibacter</i> spp. and Description of <i>Arenibacter algicola</i> sp. nov., an Aromatic Hydrocarbon-Degrading Bacterium. <i>Applied and Environmental Microbiology</i> , 2014, 80, 618-628.	1.4	81
62	Role of methylotrophs in the degradation of hydrocarbons during the Deepwater Horizon oil spill. <i>ISME Journal</i> , 2014, 8, 2543-2545.	4.4	33
63	Cultivating Aerobic Hydrocarbon-Degrading Bacteria from Micro-algae. <i>Springer Protocols</i> , 2014, , 95-106.	0.1	5
64	Hydrocarbon-degrading bacteria enriched by the <i>Deepwater Horizon</i> oil spill identified by cultivation and DNA-SIP. <i>ISME Journal</i> , 2013, 7, 2091-2104.	4.4	278
65	<i>Polycyclovorans algicola</i> gen. nov., sp. nov., an Aromatic-Hydrocarbon-Degrading Marine Bacterium Found Associated with Laboratory Cultures of Marine Phytoplankton. <i>Applied and Environmental Microbiology</i> , 2013, 79, 205-214.	1.4	113
66	Role of Bacterial Exopolysaccharides (EPS) in the Fate of the Oil Released during the Deepwater Horizon Oil Spill. <i>PLoS ONE</i> , 2013, 8, e67717.	1.1	135
67	<i>Porticoccus hydrocarbonoclasticus</i> sp. nov., an Aromatic Hydrocarbon-Degrading Bacterium Identified in Laboratory Cultures of Marine Phytoplankton. <i>Applied and Environmental Microbiology</i> , 2012, 78, 628-637.	1.4	73
68	<i>Algiphilus aromaticivorans</i> gen. nov., sp. nov., an aromatic hydrocarbon-degrading bacterium isolated from a culture of the marine dinoflagellate <i>Lingulodinium polyedrum</i> , and proposal of <i>Algiphilaceae</i> fam. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 2743-2749.	0.8	70
69	Metal binding properties of the EPS produced by <i>Halomonas</i> sp. TG39 and its potential in enhancing trace element bioavailability to eukaryotic phytoplankton. <i>BioMetals</i> , 2012, 25, 1185-1194.	1.8	58
70	Identifying polycyclic aromatic hydrocarbon-degrading bacteria in oil-contaminated surface waters at Deepwater Horizon by cultivation, stable isotope probing and pyrosequencing. <i>Reviews in Environmental Science and Biotechnology</i> , 2011, 10, 301-305.	3.9	23
71	Stable Isotope Probing of an Algal Bloom To Identify Uncultivated Members of the Rhodobacteraceae Associated with Low-Molecular-Weight Polycyclic Aromatic Hydrocarbon Degradation. <i>Applied and Environmental Microbiology</i> , 2011, 77, 7856-7860.	1.4	70
72	Searching for new bacterial species that break down polyaromatic hydrocarbons in coastal and oceanic waters. <i>Reviews in Environmental Science and Biotechnology</i> , 2010, 9, 205-209.	3.9	2

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73	Diatom derived dissolved organic matter as a driver of bacterial productivity: The role of nutrient limitation. <i>Journal of Experimental Marine Biology and Ecology</i> , 2010, 391, 20-26.	0.7	22
74	Analysis of Benzene-Induced Effects on <i>Rhodococcus</i> sp. 33 Reveals that Constitutive Processes Play a Major Role in Conferring Tolerance. <i>Scientific World Journal</i> , The, 2009, 9, 209-223.	0.8	5
75	Yield and physicochemical properties of EPS from <i>Halomonas</i> sp. strain TG39 identifies a role for protein and anionic residues (sulfate and phosphate) in emulsification of <i>n</i> -hexadecane. <i>Biotechnology and Bioengineering</i> , 2009, 103, 207-216.	1.7	50
76	Emulsifying properties of a glycoprotein extract produced by a marine <i>Flexibacter</i> species strain TG382. <i>Enzyme and Microbial Technology</i> , 2009, 45, 53-57.	1.6	30
77	Emulsifying and Metal Ion Binding Activity of a Glycoprotein Exopolymer Produced by <i>Pseudoalteromonas</i> sp. Strain TG12. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4867-4876.	1.4	105
78	Glycoprotein emulsifiers from two marine <i>Halomonas</i> species: chemical and physical characterization. <i>Journal of Applied Microbiology</i> , 2007, 103, 1716-1727.	1.4	70
79	Partial purification and chemical characterization of a glycoprotein (putative hydrocolloid) emulsifier produced by a marine bacterium <i>Antarctobacter</i> . <i>Applied Microbiology and Biotechnology</i> , 2007, 76, 1017-1026.	1.7	48
80	Purification and characterization of a furfural reductase (FFR) from <i>Escherichia coli</i> strain LYO1. An enzyme important in the detoxification of furfural during ethanol production. <i>Journal of Biotechnology</i> , 2006, 121, 154-164.	1.9	73
81	<i>Marinobacter algicola</i> sp. nov., isolated from laboratory cultures of paralytic shellfish toxin-producing dinoflagellates. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 523-527.	0.8	108
82	Comparative benzene-induced fatty acid changes in a <i>Rhodococcus</i> species and its benzene-sensitive mutant: possible role of myristic and oleic acids in tolerance. <i>Journal of Chemical Ecology</i> , 2003, 29, 2369-2378.	0.9	9
83	Reduction of Furfural to Furfuryl Alcohol by Ethanologenic Strains of Bacteria and Its Effect on Ethanol Production from Xylose. <i>Applied Biochemistry and Biotechnology</i> , 2002, 98-100, 327-340.	1.4	64
84	Changes in whole cell-derived fatty acids induced by benzene and occurrence of the unusual 16:1 $\omega$ 6c in <i>Rhodococcus</i> sp. 33. <i>FEMS Microbiology Letters</i> , 1999, 176, 213-218.	0.7	23
85	Characterising Biosurfactants and Bioemulsifiers from Marine Bacteria: Structural, Functional and Biological Properties. , 0, , .		0