

# Thomas Gene Platt

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7220224/publications.pdf>

Version: 2024-02-01

21  
papers

1,298  
citations

623734

14  
h-index

713466

21  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1848  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial Population and Community Dynamics on Plant Roots and Their Feedbacks on Plant Communities. <i>Annual Review of Microbiology</i> , 2012, 66, 265-283.	7.3	429
2	Kin preference in a social microbe. <i>Nature</i> , 2006, 442, 881-882.	27.8	186
3	Kin competition and the evolution of cooperation. <i>Trends in Ecology and Evolution</i> , 2009, 24, 370-377.	8.7	133
4	What's in a name? The semantics of quorum sensing. <i>Trends in Microbiology</i> , 2010, 18, 383-387.	7.7	105
5	Evolution of the Insertion-Deletion Mutation Rate Across the Tree of Life. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 2583-2591.	1.8	89
6	A cooperative virulence plasmid imposes a high fitness cost under conditions that induce pathogenesis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 1691-1699.	2.6	56
7	Ecological and evolutionary dynamics of a model facultative pathogen: <i>Agrobacterium</i> and crown gall disease of plants. <i>Environmental Microbiology</i> , 2018, 20, 16-29.	3.8	54
8	Ecological dynamics and complex interactions of <i>Agrobacterium</i> megaplasmids. <i>Frontiers in Plant Science</i> , 2014, 5, 635.	3.6	36
9	Non-additive costs and interactions alter the competitive dynamics of co-occurring ecologically distinct plasmids. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132173.	2.6	30
10	The queen is not a pacemaker in the small-colony wasps <i>Polistes instabilis</i> and <i>P. dominulus</i> . <i>Animal Behaviour</i> , 2006, 71, 1197-1203.	1.9	27
11	RESOURCE AND COMPETITIVE DYNAMICS SHAPE THE BENEFITS OF PUBLIC GOODS COOPERATION IN A PLANT PATHOGEN. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 1953-1965.	2.3	24
12	Aggression and worker control of caste fate in a multiple-queen wasp, <i>Parachartergus colobopterus</i> . <i>Animal Behaviour</i> , 2004, 67, 1-10.	1.9	20
13	On Demand Release and Retrieval of Bacteria from Microwell Arrays Using Photodegradable Hydrogel Membranes. <i>ACS Applied Bio Materials</i> , 2019, 2, 266-276.	4.6	20
14	Regulatory Linkages between Flagella and Surfactant during Swarming Behavior: Lubricating the Flagellar Propeller?. <i>Journal of Bacteriology</i> , 2012, 194, 1283-1286.	2.2	15
15	Simultaneous Discovery of Positive and Negative Interactions Among Rhizosphere Bacteria Using Microwell Recovery Arrays. <i>Frontiers in Microbiology</i> , 2020, 11, 601788.	3.5	14
16	Identification of Critical Surface Parameters Driving Lectin-Mediated Capture of Bacteria from Solution. <i>Biomacromolecules</i> , 2019, 20, 2852-2863.	5.4	12
17	Connections and Feedback: Aquatic, Plant, and Soil Microbiomes in Heterogeneous and Changing Environments. <i>BioScience</i> , 2020, 70, 548-562.	4.9	11
18	Virulence Evolution of Pathogens That Can Grow in Reservoir Environments. <i>American Naturalist</i> , 2022, 199, 141-158.	2.1	11

#	ARTICLE	IF	CITATIONS
19	Photodegradable Hydrogels for Rapid Screening, Isolation, and Genetic Characterization of Bacteria with Rare Phenotypes. <i>Biomacromolecules</i> , 2020, 21, 3140-3151.	5.4	8
20	Co-dependent and Interdigitated: Dual Quorum Sensing Systems Regulate Conjugative Transfer of the Ti Plasmid and the At Megaplasmid in <i>Agrobacterium tumefaciens</i> 15955. <i>Frontiers in Microbiology</i> , 2020, 11, 605896.	3.5	7
21	Destabilization of the Tumor-Inducing Plasmid from an Octopine-Type <i>Agrobacterium tumefaciens</i> Lineage Drives a Large Deletion in the Co-resident At Megaplasmid. <i>C3: Genes, Genomes, Genetics</i> , 2019, 9, 3489-3500.	1.8	5