Yin-Ru Chiang

List of Publications by Year in Descending Order

35 papers	700 citations	17 h-index	26 g-index
38 ext. papers	896 ext. citations	6.2 avg, IF	3.99 L-index

#	Paper	IF	Citations
35	Temporal compositional shifts in an activated sludge microbiome during estrone biodegradation.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	0
34	Causal networks of phytoplankton diversity and biomass are modulated by environmental context.. *Nature Communications*, **2022**, 13, 1140	17.4	2
33	Omics and mechanistic insights into di-(2-ethylhexyl) phthalate degradation in the O-fluctuating estuarine sediments.. *Chemosphere*, **2022**, 299, 134406	8.4	0
32	Bioactive pulvinones from a marine algicolous fungus Aspergillus terreus NTU243.. *Phytochemistry*, **2022**, 200, 113229	4	1
31	Valorization of fish waste and sugarcane bagasse for Alcalase production by Bacillus megaterium via a circular bioeconomy model. *Journal of the Taiwan Institute of Chemical Engineers*, **2022**, 135, 104358	5.3	1
30	Mechanistic and phylogenetic insights into actinobacteria-mediated oestrogen biodegradation in urban estuarine sediments. *Microbial Biotechnology*, **2021**, 14, 1212-1227	6.3	4
29	Integrated Multi-omics Investigations Reveal the Key Role of Synergistic Microbial Networks in Removing Plasticizer Di-(2-Ethylhexyl) Phthalate from Estuarine Sediments. *MSystems*, **2021**, 6, e0035821	7.6	4
28	Identification of essential □-oxidation genes and corresponding metabolites for oestrogen degradation by actinobacteria. *Microbial Biotechnology*, **2021**,	6.3	2
27	Highly Oxygenated Constituents from a Marine Alga-Derived Fungus NTU967. *Marine Drugs*, **2020**, 18,	6	5
26	Anaerobic Biodegradation of Steroids **2020**, 165-195		
25	Microbial degradation of steroid sex hormones: implications for environmental and ecological studies. *Microbial Biotechnology*, **2020**, 13, 926-949	6.3	35
24	Retroconversion of estrogens into androgens by bacteria via a cobalamin-mediated methylation. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 1395-1403	11.5	21
23	Comparative Genome Analysis Reveals Cyanidiococcus gen. nov., A New Extremophilic Red Algal Genus Sister to Cyanidioschyzon (Cyanidioschyzonaceae, Rhodophyta). *Journal of Phycology*, **2020**, 56, 1428-1442	3	6
22	Long-term warming destabilizes aquatic ecosystems through weakening biodiversity-mediated causal networks. *Global Change Biology*, **2020**, 26, 6413-6423	11.4	10
21	Biosynthesis of Ascorbic Acid as a Glucose-Induced Photoprotective Process in the Extremophilic Red Alga. *Frontiers in Microbiology*, **2019**, 10, 3005	5.7	7
20	Metabolites Involved in Aerobic Degradation of the A and B Rings of Estrogen. *Applied and Environmental Microbiology*, **2019**, 85,	4.8	25
19	Estrogen Degraders and Estrogen Degradation Pathway Identified in an Activated Sludge. *Applied and Environmental Microbiology*, **2018**, 84,	4.8	40

18	Microbial Functional Responses to Cholesterol Catabolism in Denitrifying Sludge. *MSystems*, **2018**, 3,	7.6	11
17	Biochemical Mechanisms and Catabolic Enzymes Involved in Bacterial Estrogen Degradation Pathways. *Cell Chemical Biology*, **2017**, 24, 712-724.e7	8.2	55
16	Biochemical Mechanisms and Microorganisms Involved in Anaerobic Testosterone Metabolism in Estuarine Sediments. *Frontiers in Microbiology*, **2017**, 8, 1520	5.7	11
15	Anaerobic Biodegradation of Steroids **2017**, 1-32		3
14	Integrated multi-omics analyses reveal the biochemical mechanisms and phylogenetic relevance of anaerobic androgen biodegradation in the environment. *ISME Journal*, **2016**, 10, 1967-83	11.9	39
13	Genomic Insight into the Host-Endosymbiont Relationship of Endozoicomonas montiporae CL-33(T) with its Coral Host. *Frontiers in Microbiology*, **2016**, 7, 251	5.7	49
12	Identification of Comamonas testosteroni as an androgen degrader in sewage. *Scientific Reports*, **2016**, 6, 35386	4.9	26
11	Substrate uptake and subcellular compartmentation of anoxic cholesterol catabolism in Sterolibacterium denitrificans. *Journal of Biological Chemistry*, **2015**, 290, 1155-69	5.4	26
10	Anoxic androgen degradation by the denitrifying bacterium Sterolibacterium denitrificans via the 2,3-seco pathway. *Applied and Environmental Microbiology*, **2014**, 80, 3442-52	4.8	31
9	Anaerobic and aerobic cleavage of the steroid core ring structure by Steroidobacter denitrificans. *Journal of Lipid Research*, **2013**, 54, 1493-504	6.3	43
8	An oxygenase-independent cholesterol catabolic pathway operates under oxic conditions. *PLoS ONE*, **2013**, 8, e66675	3.7	21
7	A novel testosterone catabolic pathway in bacteria. *Journal of Bacteriology*, **2011**, 193, 4447-55	3.5	27
6	Initial steps in anoxic testosterone degradation by Steroidobacter denitrificans. *Microbiology (United Kingdom)*, **2010**, 156, 2253-2259	2.9	25
5	Cholest-4-en-3-one-delta 1-dehydrogenase, a flavoprotein catalyzing the second step in anoxic cholesterol metabolism. *Applied and Environmental Microbiology*, **2008**, 74, 107-13	4.8	42
4	Study of anoxic and oxic cholesterol metabolism by Sterolibacterium denitrificans. *Journal of Bacteriology*, **2008**, 190, 905-14	3.5	69
3	Initial steps in the anoxic metabolism of cholesterol by the denitrifying Sterolibacterium denitrificans. *Journal of Biological Chemistry*, **2007**, 282, 13240-9	5.4	56
2	Genome analysis of the steroid-degrading denitrifying Denitratisoma oestradiolicum DSM 16959 and Denitratisoma sp. strain DHT3		2
1	Integrated multi-omics investigations reveal the key role of synergistic microbial networks in removing plasticizer di-(2-ethylhexyl) phthalate from estuarine sediments		1