Poonam Phalak

List of Publications by Year
in descending order

11	307	1163117 8	1281871 11
papers	citations	h-index	g-index

12	12	12	473
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metabolic modelling of chronic wound microbiota predicts mutualistic interactions that drive community composition. Journal of Applied Microbiology, 2019, 127, 1576-1593.	3.1	8
2	Metabolic Modeling of Cystic Fibrosis Airway Communities Predicts Mechanisms of Pathogen Dominance. MSystems, 2019, 4, .	3.8	30
3	Metabolic Modeling of Clostridium difficile Associated Dysbiosis of the Gut Microbiota. Processes, 2019, 7, 97.	2.8	9
4	Competitive resource allocation to metabolic pathways contributes to overflow metabolisms and emergent properties in cross-feeding microbial consortia. Biochemical Society Transactions, 2018, 46, 269-284.	3.4	28
5	Suboptimal community growth mediated through metabolite crossfeeding promotes species diversity in the gut microbiota. PLoS Computational Biology, 2018, 14, e1006558.	3.2	24
6	Byproduct Cross Feeding and Community Stability in an In Silico Biofilm Model of the Gut Microbiome. Processes, 2017, 5, 13.	2.8	30
7	Microbiota dysbiosis in inflammatory bowel diseases: in silico investigation of the oxygen hypothesis. BMC Systems Biology, 2017, 11, 145.	3.0	66
8	Spatiotemporal Metabolic Modeling of a Chronic Wound Biofilm Consortium * *The authors wish to acknowledge NIH (Award U01EB019416) and NSF (Award 1511346) for funding this research.. IFAC-PapersOnLine, 2016, 49, 32-37.	0.9	3
9	In silico Analysis of Clostridium difficile Biofilm Metabolism and Treatment * *The authors also wish to acknowledge NIH (Award U01EB019416) and NSF (Award 1511346) for funding this research.. IFAC-PapersOnLine, 2016, 49, 153-158.	0.9	1
10	Spatiotemporal modeling of microbial metabolism. BMC Systems Biology, 2016, 10, 21.	3.0	55
11	Metabolic modeling of a chronic wound biofilm consortium predicts spatial partitioning of bacterial species. BMC Systems Biology, 2016, 10, 90.	3.0	52