Simon Labarthe

List of Publications by Year
in descending order

11 papers	759 citations	1684188 5 h-index	1474206 9 g-index
12 all docs	12 docs citations	12 times ranked	1479 citing authors

#	Article	IF	Citations
1	A PDMP model of the epithelial cell turn-over in the intestinal crypt including microbiota-derived regulations. Journal of Mathematical Biology, 2022, 84, .	1.9	2
2	Exploring the Bacterial Impact on Cholesterol Cycle: A Numerical Study. Frontiers in Microbiology, 2020, 11, 1121.	3.5	17
3	A mathematical model to investigate the key drivers of the biogeography of the colon microbiota. Journal of Theoretical Biology, 2019, 462, 552-581.	1.7	30
4	The Contribution of Intestinal Gluconeogenesis to Glucose Homeostasis Is Low in 2-Day-Old Pigs. Journal of Nutrition, 2017, 147, jn242131.	2.9	1
5	Spatial Organization Plasticity as an Adaptive Driver of Surface Microbial Communities. Frontiers in Microbiology, 2017, 8, 1364.	3.5	44
6	A mixture model for the dynamic of the gut mucus layer. ESAIM Proceedings and Surveys, 2016, 55, 111-130.	0.4	3
7	Challenges in microbial ecology: building predictive understanding of community function and dynamics. ISME Journal, 2016, 10, 2557-2568.	9.8	570
8	A two layers monodomain model of cardiac electrophysiology of the atria. Journal of Mathematical Biology, 2015, 71, 1607-1641.	1.9	5
9	A bilayer model of human atria: mathematical background, construction, and assessment. Europace, 2014, 16, iv21-iv29.	1.7	83
10	A bilayer representation of the human atria. , 2013, 2013, 1530-3.		1
11	Inferring characteristics of bacterial swimming in biofilm matrix from time-lapse confocal laser scanning microscopy. ELife, 0, 11, .	6.0	3