Nicolas Meunier

List of Publications by Year
in descending order

12 papers	146 citations	1478505 6 h-index	1281871 11 g-index
12 all docs	12 docs citations	12 times ranked	109 citing authors

#	Article	IF	Citations
1	Mathematical modelling of the atherosclerotic plaque formation. ESAIM: Proceedings and Surveys, 2009, 28, 1-12.	0.4	47
2	Mathematical and numerical modeling of early atherosclerotic lesions. ESAIM: Proceedings and Surveys, 2010, 30, 1-14.	0.4	32
3	A Predictive Model for Yeast Cell Polarization in Pheromone Gradients. PLoS Computational Biology, 2016, 12, e1004795.	3.2	18
4	Analysis of a Nonlocal Model for Spontaneous Cell Polarization. SIAM Journal on Applied Mathematics, 2012, 72, 594-622.	1.8	12
5	A one-dimensional Kellerâ€"Segel equation with a drift issued from the boundary. Comptes Rendus Mathematique, 2010, 348, 629-634.	0.3	11
6	A 1D model of leukocyte adhesion coupling bond dynamics with blood velocity. Journal of Theoretical Biology, 2018, 452, 35-46.	1.7	9
7	Cell polarisation model: The 1D case. Journal Des Mathematiques Pures Et Appliquees, 2014, 101, 152-171.	1.6	5
8	Mathematical Study of an Inflammatory Model for Atherosclerosis: A Nonlinear Renewal Equation. Acta Applicandae Mathematicae, 2019, 161, 107-126.	1.0	5
9	Analysis of a Nonlocal and Nonlinear Fokker--Planck Model for Cell Crawling Migration. SIAM Journal on Applied Mathematics, 2017, 77, 2040-2065.	1.8	4
10	A stochastic model for cell adhesion to the vascular wall. Journal of Mathematical Biology, 2019, 79, 1665-1697.	1.9	2
11	Non-linear analysis of a model for yeast cell communication. ESAIM: Mathematical Modelling and Numerical Analysis, 2020, 54, 619-648.	1.9	1
12	Crawling migration under chemical signalling: A stochastic model. Mathematical Methods in the Applied Sciences, 2018, 41, 8799-8815.	2.3	0