Leili Shahriyari

List of Publications by Year
in descending order

25 papers	544 citations	687363 13 h-index	677142 22 g-index
28 all docs	28 docs citations	28 times ranked	412 citing authors

#	Article	IF	Citations
1	Investigating key cell types and molecules dynamics in PyMT mice model of breast cancer through a mathematical model. PLoS Computational Biology, 2022, 18, e1009953.	3.2	5
2	TumorDecon: A digital cytometry software. SoftwareX, 2022, 18, 101072.	2.6	5
3	A PDE Model of Breast Tumor Progression in MMTV-PyMT Mice. Journal of Personalized Medicine, 2022, 12, 807.	2.5	7
4	A review of digital cytometry methods: estimating the relative abundance of cell types in a bulk of cells. Briefings in Bioinformatics, 2021, 22, .	6.5	44
5	Immune classification of clear cell renal cell carcinoma. Scientific Reports, 2021, 11, 4338.	3.3	18
6	Data-Driven Mathematical Model of Osteosarcoma. Cancers, 2021, 13, 2367.	3.7	20
7	Data Driven Mathematical Model of FOLFIRI Treatment for Colon Cancer. Cancers, 2021, 13, 2632.	3.7	14
8	Investigating Optimal Chemotherapy Options for Osteosarcoma Patients through a Mathematical Model. Cells, 2021, 10, 2009.	4.1	11
9	Immune classification of osteosarcoma. Mathematical Biosciences and Engineering, 2021, 18, 1879-1897.	1.9	20
10	A Mathematical Model of Breast Tumor Progression Based on Immune Infiltration. Journal of Personalized Medicine, 2021, 11, 1031.	2.5	18
11	RGS5 plays a significant role in renal cell carcinoma. Royal Society Open Science, 2020, 7, 191422.	2.4	11
12	Data Driven Mathematical Model of Colon Cancer Progression. Journal of Clinical Medicine, 2020, 9, 3947.	2.4	15
13	BAP1 expression is prognostic in breast and uveal melanoma but not colon cancer and is highly positively correlated with RBM15B and USP19. PLoS ONE, 2019, 14, e0211507.	2.5	26
14	Effect of normalization methods on the performance of supervised learning algorithms applied to HTSeq-FPKM-UQ data sets: 7SK RNA expression as a predictor of survival in patients with colon adenocarcinoma. Briefings in Bioinformatics, 2019, 20, 985-994.	6.5	55
15	Control of cell fraction and population recovery during tissue regeneration in stem cell lineages. Journal of Theoretical Biology, 2018, 445, 33-50.	1.7	17
16	Modeling Cell Dynamics in Colon and Intestinal Crypts: The Significance of Central Stem Cells in Tumorigenesis. Bulletin of Mathematical Biology, 2018, 80, 2273-2305.	1.9	3
17	Cell dynamics in tumour environment after treatments. Journal of the Royal Society Interface, 2017, 14, 20160977.	3.4	12
18	The role of backward cell migration in two-hit mutants' production in the stem cell niche. PLoS ONE, 2017, 12, e0184651.	2.5	6

#	Article	IF	Citations
19	The role of cell location and spatial gradients in the evolutionary dynamics of colon and intestinal crypts. Biology Direct, 2016, 11, 42.	4.6	19
20	A new hypothesis: some metastases are the result of inflammatory processes by adapted cells, especially adapted immune cells at sites of inflammation. F1000Research, 2016, 5, 175.	1.6	9
21	The role of the bi-compartmental stem cell niche in delaying cancer. Physical Biology, 2015, 12, 055001.	1.8	29
22	Translating graphs by mean curvature flow. Geometriae Dedicata, 2015, 175, 57-64.	0.3	33
23	Complex role of space in the crossing of fitness valleys by asexual populations. Journal of the Royal Society Interface, 2014, 11, 20140014.	3.4	35
24	Symmetric vs. Asymmetric Stem Cell Divisions: An Adaptation against Cancer?. PLoS ONE, 2013, 8, e76195.	2.5	103
25	Learning to translate with products of novices: a suite of open-ended challenge problems for teaching MT. Transactions of the Association for Computational Linguistics, 2013, 1, 165-178.	4.8	4