Mohammad Shahrokh Esfahani

List of Publications by Year
in descending order

26 papers	**1,791** citations	687363 **13** h-index	752698 **20** g-index
26 all docs	**26** docs citations	**26** times ranked	**2780** citing authors

#	Article	IF	Citations
1	Inferring gene expression from cell-free DNA fragmentation profiles. Nature Biotechnology, 2022, 40, 585-597.	17.5	63
2	Short Diagnosis-to-Treatment Interval Is Associated With Higher Circulating Tumor DNA Levels in Diffuse Large B-Cell Lymphoma. Journal of Clinical Oncology, 2021, 39, 2605-2616.	1.6	37
3	Profiling of Circulating Tumor DNA for Noninvasive Disease Detection, Risk Stratification, and MRD Monitoring in Patients with CNS Lymphoma. Blood, 2021, 138, 6-6.	1.4	15
4	Noninvasive Cell-of-Origin Classification of Diffuse Large B-Cell Lymphoma Using Inferred Gene Expression from Cell-Free DNA Sequencing. Blood, 2021, 138, 37-37.	1.4	0
5	Evaluating upfront high-dose consolidation after R-CHOP for follicular lymphoma by clinical and genetic risk models. Blood Advances, 2020, 4, 4451-4462.	5.2	8
6	Circulating DNA for Molecular Response Prediction, Characterization of Resistance Mechanisms and Quantification of CAR T-Cells during Axicabtagene Ciloleucel Therapy. Blood, 2019, 134, 550-550.	1.4	13
7	An Atlas of Clinically-Distinct Tumor Cellular Ecosystems in Diffuse Large B Cell Lymphoma. Blood, 2019, 134, 655-655.	1.4	4
8	Towards Non-Invasive Classification of DLBCL Genetic Subtypes By Ctdna Profiling. Blood, 2019, 134, 551-551.	1.4	9
9	Short Diagnosis-to-Treatment Interval Is Associated with Higher Levels of Circulating Tumor DNA in Aggressive B-Cell Non-Hodgkin Lymphoma. Blood, 2019, 134, 491-491.	1.4	0
10	Optimal Bayesian Kalman Filtering With Prior Update. IEEE Transactions on Signal Processing, 2018, 66, 1982-1996.	5.3	26
11	Circulating Tumor DNA Measurements As Early Outcome Predictors in Diffuse Large B-Cell Lymphoma. Journal of Clinical Oncology, 2018, 36, 2845-2853.	1.6	313
12	An experimental design framework for Markovian gene regulatory networks under stationary control policy. BMC Systems Biology, 2018, 12, 137.	3.0	3
13	Intrinsically Bayesian Robust Kalman Filter: An Innovation Process Approach. IEEE Transactions on Signal Processing, 2017, 65, 2531-2546.	5.3	43
14	Early Detection of Molecular Residual Disease in Localized Lung Cancer by Circulating Tumor DNA Profiling. Cancer Discovery, 2017, 7, 1394-1403.	9.4	701
15	Bayesian Kalman filtering in the presence of unknown noise statistics using factor graphs. , 2017, , .		1
16	Incorporating biological prior knowledge for Bayesian learning via maximal knowledge-driven information priors. BMC Bioinformatics, 2017, 18, 552.	2.6	32
17	A Bayesian framework for robust Kalman filtering under uncertain noise statistics. , 2016, , .		3
18	Distinct biological subtypes and patterns of genome evolution in lymphoma revealed by circulating tumor DNA. Science Translational Medicine, 2016, 8, 364ra155.	12.4	348

#	Article	IF	Citations
19	Inference of Nonlinear ODE-Based Gene Regulatory Networks via Intrinsically Bayesian Robust Kalman Filtering. , 2016, , .		1
20	An Optimization-Based Framework for the Transformation of Incomplete Biological Knowledge into a Probabilistic Structure and Its Application to the Utilization of Gene/Protein Signaling Pathways in Discrete Phenotype Classification. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2015, 12, 1304-1321.	3.0	15
21	Discrete optimal Bayesian classification with error-conditioned sequential sampling. Pattern Recognition, 2015, 48, 3766-3782.	8.1	22
22	Effect of separate sampling on classification accuracy. Bioinformatics, 2014, 30, 242-250.	4.1	77
23	Incorporation of Biological Pathway Knowledge in the Construction of Priors for Optimal Bayesian Classification. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 202-218.	3.0	38
24	Classifier design given an uncertainty class of feature distributions via regularized maximum likelihood and the incorporation of biological pathway knowledge in steady-state phenotype classification. Pattern Recognition, 2013, 46, 2783-2797.	8.1	9
25	Probabilistic reconstruction of the tumor progression process in gene regulatory networks in the presence of uncertainty. BMC Bioinformatics, 2011, 12, S9.	2.6	10
26	Designing enhanced classifiers using prior process knowledge: Regularized maximum-likelihood. , 2011, , .		0